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INVESTIGATION OF CONCENTRATION OF ECONOMIC POWER

A STUDY

SUBMITTED BY THE

FEDERAL TRADE COMMISSION

TO THE

TEMPORARY NATIONAL ECONOMIC COMMITTEE CONGRESS OF THE UNITED STATES

SEVENTY-SIXTH CONGRESS

THIRD SESSION

PURSUANT TO

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AUTHORIZING AND DIRECTING A SELECT COMMITTEE TO MAKE A FULL AND COMPLETE STUDY AND INVESTIGATION WITH RESPECT TO THE CONCENTRATION OF ECONOMIC POWER IN, AND FINANCIAL CONTROL OVER, PRODUCTION AND DISTRIBUTION OF GOODS AND SERVICES

PART 31-31-A

INVESTMENTS, PROFITS, AND RATES OF RETURN FOR SELECTED INDUSTRIES

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Part I

DIGEST OF STUDIES OF LONG-TERM PROFITS OF TOBACCO, STEEL, FARM MACHINERY, SULFUR, CEMENT, AND RAYON INDUSTRIES

17601



DIGEST OF STUDIES OF LONG-TERM PROFITS OF TOBACCO, STEEL, FARM MACHINERY, SULFUR, CEMENT, AND RAYON INDUSTRIES

The Temporary National Economic Committee assigned to the Federal Trade Commission the study of long-term profits of industries in which there is a high degree of concentration of control of the business and where monopolistic practices have been known to exist or are suspected. The study was limited to six such industries, namely: tobacco, steel, farm machinery, sulfur, cement, and rayon. However, additional industries might have been included if time permitted.

The results of the study of long-term profits of these six industries are presented in separate reports and are summarized herein. The reports deal with the investments, profits, rates of return, and other pertinent information for the important companies in each industry. Altogether seven such reports are available, of which two relate to the sulfur industry. These two reports have already been presented for the record of the Temporary National Economic Committee as exhibits 388 and 389. The reports for the six industries are as follows:

Investments, profits, and rates of return for tobacco processors.

Investments, profits, and rates of return for iron and steel manufacturers. Investments, profits, and rates of return for manufacturers of farm implements and machines.

Financial report, including investments, profits, and rates of return for

Texas Gulf Sulphur Co.

Financial report, including investments, profits, and rates of return for Freeport Sulphur Co.

Investments, profits, and rates of return for cement companies. Investments, profits, and rates of return for rayon companies.

The period covered by the studies dates back 20 years or more. The information is presented for the principal companies as well as for a varying number of other companies, individually and by groups, in each industry. In each case the companies selected for study account for a major portion of the production or capacity of the industry: The basic information was obtained in part by questionnaire and in part from reports of the Federal Trade Commission and other published reports. For some companies, the information was obtained by field examination at their offices. The study of the cement industry was based on Federal income-tax returns.

The average annual rates of return earned on the investments by the companies representative of each industry are as follows:

	Maxi-		Rat	es of return	on—
Industry	mum number of com- panies 1	Years	Total investment	Stock- holders' invest- ment	Common- stock- holders' equity
Tobacco processors Iron and steel manufacturers Farm machinery manufacturers Texas Gulf Sulphur Co. Freeport Sulphur Co. Cement companies Rayon companies	13 11 72 1 1 18 8	1917-37 1917-38 1913-37 1919-38 1919-38 1917-36 1915-38	Percent 16. 44 6. 59 8. 10 28. 75 15. 87 (2) 13. 99	Percent 18. 22 7. 02 8. 44 28, 75 15. 87, 9. 99 14. 18	Percent 21.90 .7.03 (1) 28.75 (2) 11.04

Not including companies acquired by merger or consolidation by existing companies during the period.

² Not available.

TOBACCO INDUSTRY

The 13 companies which are the subject of the report on investments, profits, and rates of return for tobacco processors produced over 97 percent of the total United States production of eigarettes in the year 1934, over 89 percent of the smoking tobacco, more than 75 percent of the chewing tobacco, and over 98 percent of the snuff. In view of these large proportions, the operating results of the 13 companies are significant for the industry. The 13 companies are as follows:

American Tobacco Co.
Liggett & Myers Tobacco Co.
P. Lorillard Co.
R. J. Reynolds Tobacco Co.
American Snuff Co.
George W. Helme Co.
United States Tobacco Co.
Porto Rican American Tobacco Co.
Brown & Williamson Tobacco Co.
Axton-Fisher Tobacco Co.
General Cigar Co., Inc.
Consolidated Cigar Co.
Bayuk Cigars, Inc.

The first eight companies listed above, together with British-American Tobacco Co., which controls Brown & Williamson Tobacco Co., were controlled by the old American Tobacco Co. when it was ordered dissolved in 1911. In May 1911 the Supreme Court of the United States found the American Tobacco Co. to be a monopoly violating the provisions of the Sherman Antitrust Act. At that time the company produced from more than 76 percent to over 96 percent of the various tobacco products, except large cigars, of which it produced nearly 14½ percent. In addition to monopoly in the manufacture of tobacco products, the company exercised control over other products, such as licorice paste used in chewing tobacco, and tinfoil, cotton smoking-tobacco bags, wooden shipping boxes, tin and pasteboard boxes, and other containers.

The history of American Tobacco Co. dates from 1890, when the company was organized as a consolidation of the five principal cigarette manufacturers, who, among them, controlled approximately 90 percent of the country's cigarette

business.1

According to the Report of the Commissioner of Corporations on the Tobacco Industry, the American Tobacco Co. soon began to extend its dominion to cover other branches of the tobacco industry. From 1894 to 1897 the company developed its plug-tobacco business by methods which succeeded in forcing its leading competitors to combine their interests with those of the American Tobacco Co. This resulted, late in 1898, in the organization, substantially under its control, of the Continental Tobacco Co. This company took over the plug-tobacco business of American Tobacco Co. and also that of several leading competitors, and shortly after its organization acquired Liggett & Myers Tobacco Co., the largest and most important plug-tobacco concern in the country. The Continental, by this and subsequent acquisitions, acquired substantial control of the plug-tobacco business of the country.

Shortly after the organization of the Continental Tobacco Co., the combination obtained control of practically all of the leading snuff concerns of the country. This led to the formation of American Snuff Co. and placed the combination in a dominant position in the manufacture of all of the important kinds of tobacco,

except cigars.

The combination then turned its attention to the cigar business, at that time the most important of all of the branches, but also the most difficult in which to effect a combination. There was a very large number of small manufacturers and comparatively few large ones. Except for the cheaper type of cigars, machine production had been of little consequence. However, in 1901 the American Tobacco Co. entered extensively into the cigar business by organizing the American Cigar Co. The acquisition of the competing cigar companies by the American Cigar Co. immediately made the combination the largest single manufacturer of

¹ Report of the Commissioner of Corporations on the Tobacco Industry, pt. 3, p. 41.

cigars in the country, but it did not then possess, and never succeeded in acquiring,

any large proportion of the total cigar business of the United States.

The power of American Tobacco Co. and associated companies was further greatly increased by the organization in 1901 of the Consolidated Tobacco Co., a holding company. The organization of this latter company was planned by leading interests of the combination and was the means of concentrating control within the combination. The stockholders of American Tobacco Co. and Continental Tobacco Co. were induced to exchange their common stocks for bonds of the new company bearing a fixed rate of interest. As a result, the greatly increased profits in the combination's business from the reduction in the internal-revenue tax soon afterward, which increase the stockholders generally could not foresee, accrued in large part to the advantage of the inside interests as the chief holders of the Consolidated's stock.

In 1904 the American, Continental, and Consolidated companies were merged into the present American Tobacco Co., the central concern in the combination. The present company formerly owned approximately two-thirds of the capital stock of British-American Tobacco Co., Ltd. (Imperial Tobacco Co. owning the other one-third), a majority of the stock of the American Cigar Co., P. Lorillard Co., United Cigar Stores Co., R. J. Reynolds Tobacco Co., MacAndrews & Forbes Co., Conley Foil Co., and a majority of the common stock (but not a majority of all voting stock) of American Snuff Co. The American Tobacco Co. also controlled directly or indirectly numerous smaller concerns and owned, in fee, various plants and properties, which for the most part had been acquired from competitors. Through American Cigar Co., the company also controlled the entire capital stock of Federal Cigar Co., one-third of the stock of Porto Rican American Cigar Co. (American Tobacco Co. also owning one-third), and a majority interest in a number of other cigar and leaf-tobacco companies.

The decree of dissolution provided that practically the entire business of American Tobacco Co. and its subsidiary and affiliated companies comprising the combination should be divided among 14 separate companies, including the American Tobacco Co. A portion of the assets and business of the combination was sold to two companies created or resurrected for the purpose, namely, Liggett & Myers Tobacco and P. Lorillard Co. The business of American Snuff Co. was divided into three parts, and the ownership of the company was detached from the control of the American Tobacco Co. American Snuff Co. retained a part of the business, while the rest was apportioned between George W. Helme Co. and Weyman-Bruton Co. (now United States Tobacco Co.), two new companies or-

ganized for this purpose.

The businesses of R. J. Reynolds Tobacco Co., British-American Tobacco Co., Porto Rican American Tobacco Co., and United Cigar Stores Co. remained intact, though their stocks, so far as held by American Tobacco Co., were distributed to the common stockholders of that company. This detached the com-

panies from the corporate control of American Tobacco Co.

The segregation of the assets of the combination resulted in radical changes in the proportions of the various products formerly produced by American Tobacco Co. and its subsidiaries and affiliates, as compared with the business remaining with that company after its reorganization. The division of the combination's business not only involved the readjustment of the financial structure but also the distribution of brands and plants to the various companies which were to carry on the business. There also have been important changes in the proportions of the various branches of the business carried on by individual companies since that time.

There has been a marked change in the proportions of leaf tobacco used in the manufacture of cigars, cigarettes, and other tobacco products since 1910. In 1937 nearly 55 percent of the total leaf tobacco used was consumed in the manufacture of cigarettes, as compared with only 6 percent in 1910. On the other hand, leaf tobacco used in the manufacture of cigars declined from 27 percent in 1910 to less than 15 percent in 1937, and during this period leaf tobacco used in the manufacture of smoking and chewing tobacco and snuff declined from 67 percent in 1910 to 30 percent in 1937.

The four largest tobacco processors, from the standpoint of invested capital and volume of sales, are American Tobacco Co., Liggett & Myers Tobacco Co., R. J. Reynolds Tobacco Co., and P. Lorillard Co. Together, these companies in 1934

² Now known as American Cigarette & Cigar Co., subsidiary of American Tobacco Co.

sold 84.2 percent of the total United States production of cigarettes, 74.1 percent of the smoking tobacco, and 70.4 percent of the chewing tobacco. The net changes in the control of manufactured products by these four companies from 1910 (when they were units of the tobacco combination) to 1934 are as follows:

	P	ercentage	of United 8	States total	production	n
	Cigar	ettes	Smoking	tobacco	Chewing	tobacco 1
	1910	1934	1910	1934	1910	1934
American Tobacco Co Liggett & Myers Tobacco Co R. J. Reynolds Tobacco Co	38. 8 29. 1	27. 2 27. 3 25. 6	32. 0 19. 4 2. 6	19. 7 21. 9 23. 2	25. 4 35. 7 17. 7	1. 6 26. 5 25. 1
P. Lorillard Co	15.9	4.1	22. 1	9.3	5. 4	17. 2
Total	83.8	84. 2	76. 1	74. 1	84. 2	70. 4

¹ Includes plug and twist and fine-cut chewing tobacco.

Notwithstanding the shifts in the proportions of the various products manufactured by the individual companies, the only important change in the combined control of the products by the four companies was in chewing tobacco, which fell from 84.2 percent for the four companies which were units of the tobacco combina-

tion in 1910 to 70.4 percent in 1934.

With the tremendous growth in the consumption of cigarettes since the dissolution of the Tobacco Trust in 1911, these four companies have actively developed the cigarette phase of their businesses. They have been aided in the maintenance of their dominant positions in the tobacco industry by ownership of established brands and the financial resources at their command. The difficulty, uncertainty, and cost of popularizing new brands have been important deterrents to new

competition.

Over 98 percent of the United States production of snuff in 1934 was produced by American Snuff Co., George W. Helme Co., and the United States Tobacco Co. This high degree of concentration of this branch of the business represents a continuation of the almost complete control of the tobacco combination which was partitioned among these three companies pursuant to the dissolution decree in 1911. The continuation of this control has been materially aided by the same factors applying to the eigarette branch of the business. The current trend toward concentration of cigar manufacture and fewer companies is due in part to the introduction of cigar-making machinery, to the gradual decrease in cigar consumption, and to the use of national and regional advertising promotion in the merchandising of this product.

In the Federal Trade Commission's report on agricultural income inquiry, it is

stated at pages 550 and 551:

"The inquiry has disclosed that four brands of cigarettes dominate the cigarette industry; that the manufacturers of those brands, with minor exceptions, maintain identical prices on them; and that the prices are almost simultaneously changed upward or downward with little regard to leaf tobacco or general commodity price levels. The history of the price changes on the four leading brands demonstrates the exercise of the power concentrated in the hands of the manufacturers of those brands. The sales volume of 10-cent cigarettes indicates the existence of a popular demand for them. It is believed that competition within the cigarette industry would be increased by popular cigarettes selling in various price ranges and that new or more important competition in manufacturing would result in increased competition in the purchase of leaf tobacco. The uniform internal-revenue tax of \$3 per thousand on small cigarettes has tended to restrict the most active and substantial new competition that has manifested itself in the industry in many years. It is, therefore, recommended that Congress consider the advisability of levying a graduated tax on cigarettes in lieu of the present uniform tax. It is further recommended that the graduated scale be based upon the manufacturers' net selling prices."

Rates of return on the combined investments of all companies for which infor-

Rates of return on the combined investments of all companies for which information was available are shown for each of the years 1917 to 1937 in the following tabulation. Rates of return were computed on three bases of investment; namely, the total investment, stockholders' investment, and the common stockholders' equity, before deducting provisions for Federal income and profits taxes from earnings, and after eliminating goodwill, appreciation, and other intangibles from

investments. The amount deducted from investments for such intangibles ranged from \$154,349,900 at the beginning of 1917 down to \$66,055,602 at the end of 1937. The investments on which rates of return were computed are the average of the investments at the beginning and end of each year for each company.

		Rate	es of return	on—		Num-	Rate	s of return	on-
Year	Num- ber of com- panies	Total investment	Stock- holders' invest- ment	Common stock- holders' equity	Year	ber of com- panies	Total investment	Stock- holders' invest- ment	Common stock- holders' equity
1917 1918 1919 1920 1921 1922 1923 1924 1924 1925 1926 1927 1927 1927	9 10 11 12 12 12 12 12 12 12 12 12 12 13	Percent 21. 76 23. 64 16. 87 16. 17 17. 54 18. 64 17. 23 17. 00 18. 14 18. 23 17. 86 16. 38	Percent 26, 43 30, 21 21, 52 19, 99 20, 54 21, 00 19, 09 18, 54 19, 75 19, 90 19, 39 17, 85	Percent 55. 72 54. 33 33. 75 29. 46 29. 48 29. 47 25. 60 24. 02 24. 44 23. 87 23. 27 21. 28	1929 1930 1931 1932 1933 1934 1935 1936 1937 A verage	13 13 13 13 13 13 13 13 13	Percent 17. 41 18. 77 19. 08 17. 94 10. 07 13. 32 13. 40 15. 58 15. 12	Percent 18.85 20.45 20.56 19.27 10.59 14.21 14.26 16.72 16.21	Percent 22. 26 23. 85 23. 72 21. 99 11. 50 15. 84 15. 52 18. 89 18. 29

The table shows that during the 21-year period, 1917-37, all companies as a group averaged 16.44 percent on the total investment, 18.22 percent on the stockholders' investment, and 21.9 percent on the common stockholders' equity. It will be observed that consistently high rates of return were earned on each basis of investment during each year. The lowest returns in any year were earned in 1933 when 10.07 percent was earned on the total investment, 10.59 percent on the stockholders' investment, and 11.5 percent on the common stockholders' investment. Exceptionally high rates of return were earned on each basis of investment in every other year, particularly during 1917 and 1918. While the returns for the last few years were not as high as those for the previous years, the trend has been upward.

The following tabulation compares the average annual rates of return during the years 1917-37 on each basis of investment for the individual companies, classified according to their primary functions:

	A verage an	nual rates of	return on—
,	Total investment	Stock- holders' investment	Common stock- holders' equity
Manufacturers of cigarettes and other tobacco products: The American Tobacco Co. Liggett & Myers Tobacco Co. R. J. Revnolds Tobacco Co.	16.70	Percent 17. 91 20. 31 23. 27	Percent 24, 20 24, 60 24, 10
Total (Big Three) P. Lorillard Co Axton-Fisher Tobacco Co Brown & Williamson Tobacco Co	10.31	20. 29 16. 66 1 19. 57 2 18. 95	24. 26 14. 86 1 24. 62 2 21. 13
Total cigarette and tobacco manufacturers. Cigar manufacturers: General Cigar Co., Inc		19. 55	23. 39
Porto Rican American Tobacco Co. Consolidated Cigar Co. Bayuk Cigars, Inc. Total	4 9. 78	3.57 4 9.93 10.78 9.66	12. 85 12. 87 10. 82
Snuff manufacturers: United States Tobacco Co American Snuff Co George W. Helme Co	19. 22	14. 86 19. 22 17. 36	17. 00 26. 23 23. 31
Total	16. 68	16. 68	20. 54
Total	16. 44	18, 22	21. 90

¹ Annual averages for 1918-37. Annual averages for 1928-37.

Annual averages for 1920-37. 4 Annual averages for 1919-37.

The above table shows that as a group the manufacturers of cigarettes and other tobacco products had the highest average annual rates of return during the period under review, followed closely by the snuff manufacturers. The operations of the cigar manufacturers were very much less profitable, their returns averaging only a little over half of those for the other two groups. Their average profits were equivalent to 9.32 percent of the total investment, 9.66 percent of the stockholders' investment, and 10.82 percent of the common stockholders' equity, as compared with 17.34 percent, 19.55 percent, and 23.39 percent of the respective investments of the manufacturers of cigarettes and other tobacco products, and 16.68 percent, 16.68 percent, and 20.54 percent, respectively, for the snuff manufacturers.

The showing for all companies as a group is influenced considerably by the preponderant investments and large profits of the three largest manufacturers. For example, on the basis of total investment, the combined investments of American Tobacco Co., Liggett & Myers Tobacco Co., and R. J. Reynolds Tobacco Co. averaged nearly 70 percent of the investments of all companies combined, and over 80 percent of the investments of the companies comprising the cigarette manufacturers. The relative importance of the various groups of manufacturers

from the standpoint of investment is shown as follows:

Ratios of total investment

	Annual average 1917-37	Average, 1937
Manufacturers of cigarettes and other tobacco products: Big Three Little Three	Percent 67. 88 14. 04	Percent 68. 50 14. 30
Total	81. 92 10. 60 7. 48	82. 80 9. 32 7. 88
Total	100.00	100.00
Combined investments	\$598, 300, 727	\$736, 643, 988

It will be observed that there was comparatively little change in the relative proportions of the combined investments for each group during the two periods shown in the tabulations, the decline in the 1937 proportion for the cigar companies being offset by slight increases in the proportions for each of the other groups during that year. The tabulation which follows presents a similar comparison for the individual companies within each group and shows the deviations of their relative proportions in 1937 from those based on the average of the annual investments throughout the entire period.

Ratios of total investment

	Annual average, 1917-37	Average,1937
Manufacturers of cigarettes and other tobacco products: American Tobacco Co	24. 68	Percent 31. 74 27. 91 23. 07
Total (Big Three) P. Lorillard Co. Axton-Fisher Tobacco Co. Brown & Williamson Tobacco Co.	12.32	82. 72 9. 03 1. 16 7. 09
Total	100.00	100.00
Combined investment Cigar manufacturers: General Cigar Co Inc. Porto Riean American Tobacco Co Consolidated Cigar Co Bayuk Cigars, Inc	3 22.88	\$609, 955, 640 Percent 35, 73 26, 76 22, 65 14, 86
Total	100.00	100.00
Combined investment Snuff manufacturers: United States Tobacco Co American Snuff Co George W. Helme Co	25. 51	\$68, 612, 389 Percent 47, 90 26, 06 26, 04
Total	100.00	100.00
Combined investment	\$44, 763, 571	\$58, 075, 959

Annual average, 1918-37.
Annual average, 1928-37.

The above tabulation shows that the combined investments for each group in 1937 exceeded the average of the annual investments for each group during the period 1917-37. This is indicative of the general growth of the companies throughout the period under review. For example, the combined investments of the three largest companies, which account for the greater portion of the total investments for all companies, increased over 200 percent from \$165,485,477 in 1917 to \$504,588,788 in 1937. The combined investments of these three companies increased steadily from 1917 to 1933, reaching a maximum of \$560,755,492 in the latter year, then decreasing each year to \$504,588,788 in 1937.

Further indication of the relative importance and profitableness of the various companies is presented below from the standpoint of sales and operating results.

The tabulation immediately following summarizes the net sales, net income, dividend payments, and net increase in surplus for each of the 13 companies. The upper part of the table gives the total for each item for all years for which the information was available during the period 1917-37. The lower part of the table gives for each company the annual averages of the net sales, net income, dividend payments, and net income remaining after the payment of dividends.

Annual average, 1920-37. 4 Annual average, 1919-37.

Summary of net sales, net income, dividends, and net increase in surplus for all years within the period 1917–37, and the annual averages thereof for individual companies, functionally classified

					Dividends paid on-	-uo piad		N. A. I.		
	Years	Net sales	Netincome	Preferred stock in cash	Common stock in cash	Common stock in stock	Total.	come after	other net de- ductions	crease in surplus
Manufacturers of cigarettes and other tobacco										
Liggett & Myers Tobacco Co		995, 492 392, 987	\$505, 150, 172 333, 837, 184	32, 355, 024	4 80	\$62, 757, 136 \$	474, 397, 942 261, 408, 812	30, 752, 230	\$7, 809, 627 43, 263, 137	22, 942, 29, 165,
K, J. Keynolds Tobacco Co. P. Lorillard Co. Rrown & Williamson Tobacco Co	1917–37 1917–37	328	88, 821, 144 10, 166, 720	16, 049, 943	3, 049, 943 49, 579, 730 3, 049, 943 49, 579, 730 3, 010, 000 2, 11, 720, 000	80, 000, 000 4, 999, 948	474, 631, 250 70, 629, 621 14, 730, 000	25, 890, 746 18, 191, 523 14, 563, 280	1, 787, 453 10, 147, 666 22, 970, 000	24, 103, 293 8, 043, 857 18, 406, 720
Axton-Fisher Tobacco Co.		732, 375	9, 568, 290	734, 195	2, 885, 160	1, 399, 500	5, 018, 855	4, 549, 435	579, 610	3, 969,
Consolidated Clear Co.	1917–37	959,	52, 334, 713	9, 497, 030	33, 424, 255	540 000	42, 921, 285	9, 413, 428	382, 585	9, 030, 843
Bayuk Cigars, Inc. Porto Rican American Tobacco Co	1917–37 1920–37	229, 903, 074 97, 712, 404	13, 921, 284	3, 947, 732	3, 522, 683	358, 348	6, 751, 519	7, 169, 765	2, 161, 567	5,008,198
	1917–37	00	54 492	6 307 731	35 954 790	0 930 690	K1 K09 071	9 000 609	8 1 653 729	4 645
٠.	1917-37	168, 885, 836	39, 207, 759	4, 980, 528	28,820,000	000 000 0	33, 800, 528	5, 407, 231	1, 201, 602	6, 608, 833
Manufacturers of cigarettes and other tobacco		, aa	98, 300,	0, 001, 001	23, 103, 715	2, 000, 000	, o.	2, 5/5, 501	991, 999	2, 9/1,
The American Tobacco Co.	⊙ €	966	24, 054,	3, 161, 982	16, 439, 961	2, 988, 435	22, 590, 378	1, 464,		
R. J. Reynolds Tobacco Co	.	388	23,834,	489, 583	18, 302, 381	3, 809, 523	22, 601, 488	1, 232,		
Brown-Williamson Tobacco Co	(e)	48, 417, 133		301,000	1, 172, 000	69 975	1, 473, 000			
Cigar manufacturers: General Cigar Co. Inc	(9)	331	2. 492.	452, 239	1. 591. 631		2, 043, 870	448		
		16, 895, 573	1, 469, 587	187, 987	476, 938	28, 421	1,098,998	370, 588		
Porto Rican American Tobacco Co	(e)	428,	52,		195, 704		195, 704	1142,868		
United States Tobacco Co.	©	14, 471, 563	2, 594, 889	300, 368	1, 712, 129	439, 981	2, 452, 479	142, 409		
George W. Helme Co.	(ø)	7, 176, 156	1,873,	265, 765	1, 389, 700	95, 238	1, 750, 704	122, 562		
Includes \$40,764,710 for goodwill and other intangibles written off. Includes \$6,000,000 of dividends paid in 6 percent unsecured notes. Denotes deficit.	er intangibles writt		 Net addition. Includes paid-in surplus through release of indebtedness of \$23,790,000 by stockholder, British American Tobacco Co. 	on. Includ	 Net addition. Includes paid-in surplus through release of debtedness of \$23,790,000 by stockholder, British American obsect Co. 	rplus throughder, Britis	zh release of h American	N S	3 Net additions.	ge.

⁴ Net addition. Includes paid-in surplus through release of indebtediass of \$23,790,000 by stockholder, British American Tobacco Co.

The table shows that American Tobacco Co., Liggett & Myers Tobacco Co., and R. J. Reynolds Tobacco Co. were also the largest from the standpoint of sales. During the 21 years 1917–37, the sales of the Reynolds Co. were largest, amounting to nearly 4% billion dollars, followed by American Tobacco Co., with a little over \$4,000,000,000, and Liggett & Myers with nearly \$4,000,000,000 of sales. It will be noted that in the order of profits American Tobacco Co. was first with a little over one-half billion dollars, followed closely by the Reynolds Co. with almost the same amount, and Liggett & Myers with one-third of a billion. These profits represent the net income after providing for all of the costs of doing busi-

profits represent the net income after providing for all of the costs of doing business, including provisions for Federal income and profits taxes.

American Tobacco Co. and R. J. Reynolds Tobacco Co. each paid out about the same amount in dividends during the period. American Tobacco Co. paid out a total of \$474,397,942, as compared with \$474,631,250 for the R. J. Reynolds Co. The total for Liggett & Myers was \$261,408,812. After taking into account other charges to surplus, the net increase in surplus during the period was \$22,942,603 for American Tobacco Co., \$29,165,235 for Liggett & Myers Tobacco Co., and \$24,103,293 for R. J. Reynolds Tobacco Co. These net increases, together with the amounts for dividends paid in common stock on common stock, reflect earnings retained in the business by each company in the amount of \$85,699,739 for American Tobacco Co., \$40,507,985 for Liggett & Myers Tobacco Co., and \$104,103,293 for R. J. Reynolds Tobacco Co. The comparatively smaller amount for Liggett & Myers is accounted for by the fact that the company reduced the value at which it had been carrying goodwill and other intangibles on its balance sheet to \$1 by charges to surplus of \$40,709,710 in 1929 and \$55,000 in 1935.

The reinvested earnings contributed importantly to the growth of each of the three companies. During the period under review they amounted to nearly 80 percent of the net increase in capitalization of American Tobacco Co. and about 90 percent of the net increase for R. J. Reynolds Tobacco Co. For Liggett & Myers Tobacco Co. they amounted to nearly half the net increase before any adjustments for goodwill, appreciation, and other intangibles prior to the time

they were written off by the company as explained above.

Throughout the period under review the annual sales of the three largest companies averaged 73 percent of the sales for all companies and 88 percent of the combined sales of the manufacturers of cigarettes and other tobacco products. The relative importance of the various groups of manufacturers from the standpoint of sales is shown by the following tabulation, which compares the sales for each group in 1937 with the average of the annual sales for the years 1917 to 1937, inclusive:

Ratios of sales

	Annual aver- age, 1917-37	Total, 1937
Manufacturers of cigarettes and other tobacco products:	Percent	Percent
Big Three	72.97	73, 93
Little Three	15.44	18. 37
Total	88, 41	92, 30
Cigar manufacturers (4 companies)	8.02	4. 74
Cigar manufacturers (4 companies) Snuff manufacturers (3 companies)	3. 57	2.96
Total	100.00	100.00
Combined sales	\$830, 883, 994	\$1,063,327,917

It will be noted that there was comparatively little change in the relative proportions of the combined sales of the three largest companies in the two periods shown in the tabulation, but the 1937 proportion of the combined sales of the three smaller manufacturers of cigarettes and other tobacco products was somewhat higher than their proportion based on the average of the annual sales throughout the period. The sales of the manufacturers of cigarettes and other tobacco products amounted to 92.3 percent of the total sales of the companies in all groups during the year 1937, as compared with 88.41 percent of the average for the years 1917–37. On the other hand, the sales for each of the groups of cigar and snuff manufacturers were proportionately smaller in 1937 than for the entire period. The tabulation which follows presents a similar comparison for the individual companies within each group and shows the deviations of their relative proportions

in 1937 from those based on the average of the annual sales throughout the perio 1917-37.

Ratios of sales

	Annual average 1917–37	Total 1937
Manufacturers of cigarettes and other tobacco products: American Tobacco Co Liggett & Myers Tobacco Co R. J. Reynolds Tobacco Co	Percent 26, 00 25, 84 30, 70	Percent 24. 72 24. 50 30. 88
Total (Big Three) P. Lorillard Co. Brown & Williamson Tobacco Co. Axton-Fisher Tobacco Co	82. 54 9. 70 1 6. 59 2 1. 17	80. 10 7. 74 10. 20 1. 96
Total	100.00	100.00
Combined sales	\$734, 590, 892	\$981, 506, 371
Cigar manufacturers: General Cigar Co., Inc. Consolidated Cigar Co Bayuk Cigars, Inc. Porto Rican American Tobacco Co.	Percent - 50. 04 3 25. 37 16. 44 4 8. 15	Percent 43. 10 21. 83 32. 48 2. 59
Total	100. 00	100.00
Combined sales.	\$66, 603, 201	\$50, 399, 958
Snuff manufacturers: United States Tobacco Co	Ретсепt 48. 75 27. 09 21. 17	Percent 57. 21 24. 03 18. 76
Tótal	100.00	100.00
Combined sales	\$29, 689, 901	\$31, 421, 588

¹ Annual average, 1928-37.

Costs, expenses, and profits per dollar of net sales were substantially the same in 1937 as for the entire period 1917-37. The significant ratios, expressed in cents per dollar of net sales, for the various groups for each period are summarized as follows:

Ratios of sales

	Operating costs and expenses	Profits applicable to total interestment 1	Net income 3
	A	37	
Manufacturers of cigarettes and other tobacco products: Big Three All companies 3 Cigar manufacturers 4 Snuff manufacturers 5	Cents 88. 17 88. 87 91. 04 79. 10	Cents 12. 60 11. 85 8. 87 25. 15	Cents 10. 52 9. 73 7. 05 21. 34
		Year 1937	
Manufacturers of eigarettes and other tobacco products: Big Three All companies 3 Cigar manufacturers 4 Snuff manufacturers 5	88. 89 90. 28 91. 81 79. 95	11. 66 10. 12 8. 34 24. 88	9. 70 8. 31 6. 39 21. 49

Before provisions for interest payments on long-term debt and Federal income and profits taxes.
After provision for interest on long-term debt and Federal income and profits taxes.

Annual average, 1918-37.
Annual average, 1919-37.
Annual average, 1920-37.

⁶ companies.

^{4 4} companies.

⁵3 companies.

As shown above, the margins of profits in relation to sales were outstanding for the snuff manufacturers. Throughout the period under review their margin of net income of 21 cents out of every dollar of net sales was twice that of the three largest cigarette manufacturers as a group and three times that of the cigar manufacturers. However, despite this showing in comparison with the margins for the other groups, their profits in relation to investment were somewhat smaller than those of the cigarette companies but nearly twice those of the cigar companies and indicates that the volume of business done per dollar of investment was much lower than for the other groups.

The relationship of the above factors is interestingly brought out in the following tabulation which shows for each group the total investment, sales, ratio of sales to investment, or capital turn-over, and the manner in which the profits per dollar of net sales applicable to the total investment is related, through the turn-over, to rates of return on the investment. The upper part of the tabulation gives the information on the basis of the average of the annual investment and sales for 1917-37, and the lower part of the table gives the information for the

year 1937 alone.

Correlation of capital turn-over to rates of return

	Total invest- ment	Net sales	Rate of capital turn-over in terms of sales	Profit per dollar of sales	Rate of return on investment
		Avera	ge, 1917-37		
Manufacturers of cigarettes and other to- bacco products: Big Three	\$406, 136, 489 490, 147, 166 63, 389, 990 44, 763, 571	\$606, 303, 987 734, 590, 892 66, 603, 201 29, 689, 901	Times 1. 49 1. 50 1. 05 . 66	Cents 12. 60 11. 85 8. 87 25. 15	Percent 18. 81 17. 34 9. 32 16. 68
		Ye	ar 1937		
Manufacturers of cigarettes and other to- bacco products: Big ThreeAll companies 1. Cigar manufacturers. Snuff manufacturers.	\$504, 588, 788 609, 955, 640 68, 612, 389 58, 075, 959	\$786, 147, 107 981, 506, 371 50, 399, 958 31, 421, 588	1. 56 1. 61 . 73 . 54	11. 66 10. 12 8. 34 24. 88	18, 17 16, 29 6, 12 13, 46

¹⁶ companies.

The capital turn-over reflects the time required for the sales to equal the investment. On the average, the sales of the three largest companies as a group equaled the amount of their investment about once every 8 months as compared with once every 11 months for the cigar companies and once every 18 months for the snuff companies. The tabulation shows the influence of the rapidity of turn-over on the rates of return on investment when related to margins of profits on sales. For example, twice the margin of profit was required for the slower moving products of the snuff companies than for the three largest companies in order to produce comparable rates of return on investment.

Large cash salaries and bonuses were received by the executives of some of the companies in this profitable industry, particularly by those of American Tobacco Co. During the years 1935-38, the three highest-paid officers of this company received an average total compensation of \$600,000 per annum. This amount was two and one-half times the next largest amount paid by Liggett & Myers Tobacco Co., and from about four to nearly six times the average amount paid by most of the other companies. The following tabulation shows the aggregate

² 4 companies.

^{3 3} companies.

compensation received by the three highest-paid officers of each company for which the information was available during the years 1935-38:

Aggregate compensation 1 received by the 3 highest paid officers during the years 1935–38

	1935	1936	1937	1938	Average
American Tobacco Co. Liggett & Myers Tobacco Co. R. J. Reynolds Tobacco Co. P. Lorillard Co., Inc. Axton-Fisher Tobacco Co. General Cigar Co. Porto Rican American Tobacco Co. Consolidated Cigar Corporation Bayuk Cigars, Inc. United States Tobacco Co.	\$423, 237 203, 020 145, 000 132, 500 20, 125 150, 364 89, 666 135, 500 79, 851 146, 851	\$497, 607 280, 449 145, 000 110, 000 39, 855 119, 757 66, 000 107, 375 118, 479 191, 670	\$794, 146 251, 134 143, 750 95, 000 36, 000 73, 808 66, 000 114, 666 116, 205 154, 872	\$685, 016 241, 519 175, 000 90, 000 66, 393 76, 000 51, 063 102, 100 146, 447 151, 609	\$600, 001 244, 030 152, 187 106, 875 40, 593 104, 982 68, 182 114, 910 115, 245
American Snuff Co. George W. Helme Co.	112, 240 143, 409	103, 210 129, 716	115, 000 108, 645	108, 891 115, 510	109, 835 124, 320

¹ Includes cash salaries and bonuses.

The highest-paid individual officer of any of the companies named in the above tabulation was the president of American Tobacco Co., followed by the R. J. Reynolds Tobacco Co. Although these three companies are of about the same relative importance and size, American Tobacco Co. paid its president, George W. Hill, an average of \$292,624 during the years 1935–38. This amount is more than three times the average compensation of \$86,899 received by the president of Liggett & Myers Tobacco Co. during these years, and more than four times the average amount of \$72,500 received by the chairman of the board

of Reynolds Tobacco Co.

During each of the years 1935–38, the total compensation received by George W. Hill, president of American Tobacco Co., was \$212,199 in 1935, \$246,173 in 1936, \$380,976 in 1937, and \$331,348 in 1938. These amounts while large do not compare with the compensation he received from the company in some of the earlier years. For instance, in 1929, he received \$605,613; in 1930, \$1,010,567; and in 1931, \$1,051,630. The huge salaries and bonuses received by Mr. Hill and other officers of the company, together with other emoluments received by them under an "employees' stock subscription plan," gave rise to a series of stockholders' suits. These suits were instituted in 1931 by Richard Reid Rogers, a stockholder of the company, who complained that for many years the officers of the company had received large annual fixed salaries as well as large annual cash, profit-sharing bonuses paid under a bylaw adopted in 1912. He maintained that the bylaw was invalid and that even if valid the amounts paid in accordance with its provisions were unreasonably large and therefore subject to revision by the courts.

Rogers also sought to restrain the company from issuing stock pursuant to the "employees' stock-subscription plan." Under this plan which was adopted at a stockholders' meeting on July 30, 1930, 56,712 shares of unissued common stock B of the corporation were distributed in accordance with the recommendations made by the president of the company. Of this number, 32,370 were allotted to the officers and directors, of which 13,440 shares, or 24 percent, of the total were allotted to the president. The remaining 24,342 shares were allotted in relatively small amounts to 525 employees. The subscription price was the par value of the stock, \$25 a share. On June 28, 1931, when the allotment of stock was made, its market price was \$112 per share, more than four times the subscription price. Valuing the subscription privilege by the difference between the subscription price and the market value of the stock, Hill received by the allotment \$1,169,280 in addition to his annual compensation of more than a million dollars in that year. The stock-subscription rights awarded the five vice presidents of the company, similarly valued, amounted to \$1,451,595.

The stockholders' suits were carried to the Supreme Court of the United States, which reversed the decree of the circuit court of appeals and remanded the case to the district court of New York.

According to the New York Times of July 14, 1933, litigation over the bonuses and stock allotments ended July 13 when compromise settlements were reached. Under the settlements it was stated that the allotment of American Tobacco Co.'s stock to officers and employees was to be rescinded and the profit-sharing

plan under which bonuses had been paid to the officers of the company was to be

modified.

Former Judge Martin T. Manton, who wrote the decisions by the circuit court of appeals favoring the company and its officers in these suits, was convicted in June 1939 of the charge of conspiracy to sell justice and was sentenced to 2 years June 1939 of the charge of conspiracy to sell justice and was sentenced to 2 years in jail and fined \$10,000. According to the press, Manton testified that while the suits were pending in his court he approached Louis Sampter Levy, formerly of the law firm of Chadbourne, Stanchfield & Levy, counsel for the tobacco company in the suits, for a loan of \$25,000 and subsequently received the better part of a loan in 10 times that amount from Lord & Thomas, advertising agents for American Tobacco Co., through James J. Sullivan, an associate in some of his business ventures. It was also stated that Albert D. Lasker, president of Lord & Thomas, declared that he provided the \$250,000 for the loan at the request of Levy and Paul M. Hahn, attorney and vice president of American Tobacco Co., unaware of the true nature of the loan and with the understanding that it would be repaid by American Tobacco Co. This loan was never repaid.

These revelations led to disbarment proceedings against Levy and Hahn and, according to the New York Times of November 15, 1939, Judge John C. Knox directed that Levy be disbarred from practice before the Federal bar.

STEEL INDUSTRY

The price relationships existing in the steel industry through the basing-point system and other evidence of monopolistic practices are a matter of record before the Temporary National Economic Committee. Therefore, the summary deals

only with the financial aspects of the inquiry into this industry.

The report on investments, profits, and rates of return for iron and steel manufacturers presents information concerning the operations of 11 companies, which supply the bulk of the demand for iron and steel products. Their operations constitute integrated systems from raw material to finished product and include the production of iron ore, pig iron, coal, limestone, crude steel, castings, and a great variety of semifinished and finished steel products. These companies own The annual capacity in 84 percent of the steel making capacity of the country. gross tons for each company and its subsidiaries and the percentage of each company's capacity of the total for the industry are as follows:

Name of company .	Annual ca- pacity 1	Percent of total for in- dustry
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation National Steel Corporation Youngstown Sheet & Tube Co Inland Steel Co. American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co Pittsburgh Steel Co.	3, 400, 000 3, 120, 000 2, 760, 000 2, 603, 500 1, 750, 000	35. 31 13. 75 8. 90 5. 03 4. 65 4. 27 3. 78 3. 56 2. 39 1. 19
Total	61, 318, 700	83, 94

¹ Annual capacities in gross tons of steel ingots and steel for castings as reported for the industry in the 1938 edition of the Iron and Steel Works Directory of the United States and Canada. Total capacity for the industry reported to be 73,047,892 gross tons.

As shown above, the production capacity of United States Steel Corporation is two and one-half times as large as that of the next largest company, Bethlehem Steel Corporation. In terms of capacity and production, United States Steel Corporation has dominated the industry since its formation in 1901. At that time it produced about 43 percent of the pig-iron production of the country, 65 percent of the production of steel ingots and castings, and 50 percent of the production of all kinds of finished roll products. Although the corporation has increased both its productive capacity and investment since that time, its participation in the industry with respect to production has steadily declined, however, particularly with regard to steel ingots and castings. For example, by 1938, its participation in the industry had fallen to 33 percent of the production of steel ingots and castings and 29 percent of the production of finished rolled products.

According to the Report of the Commissioner of Corporations on the Steel Industry,3 the formation of United States Steel Corporation was the culmination of a consolidation movement which was begun in the late nineties. solidations, one after the other, were effected in the principal branches of the industry. This movement toward industrial centralization was characterized by the restriction of competition through combination, the integration of productive processes through acquisition under one control of raw materials and manufacturing plants, and the creation of large amounts of inflated securities and attendant promotional profits.

According to the report, the three great companies dominating the production of crude and semifinished steel at the time of the organization of the United States Steel Corporation were the Carnegie Co., Federal Steel Co., and National Steel Co. Six other large concerns—American Steel & Wire Co., American Sheet Steel Co., American Tin Plate Co., American Steel Hoop Co., American Bridge Co., and National Tube Co.—controlled the lighter finished products. Not one of these companies was entirely self-sufficient. The secondary group was dependent upon the primary group for its crude steel, and the primary group was largely

dependent upon the secondary group for a market for its products.

These great concerns almost simultaneously began a movement for selfsufficiency. The secondary group began acquiring ore reserves and crude-steel plants; and the primary group, finding their chief customers turning into rivals, began the manufacture of finished products. These efforts toward integration threatened to result in great duplication of steel producing and finishing capacity of the country and to involve them also in the invasion of each other's business. In 1900 the Carnegie Co. threatened to erect a great tube plant near Cleveland, thus invading the field of finished manufacture. Steel men and associated financial interests regarded this situation as dangerous and efforts were begun to merge the conflicting interests into a great corporation and avert a threatened "steel war." This led to the formation of United States Steel Corporation with a total capitalization of over \$1,402,000,000 to acquire the capital stocks of the following companies and to provide it with working capital:

Carnegie Co. Federal Steel Co. National Steel Co. American Steel Wire Co. American Sheet Steel Co. American Tin Plate Co. American Steel Hoop Co. American Bridge Co. National Tube Co. Shelby Steel Tube Co.

Lake Superior Consolidated Iron Mines.

The report of the Commissioner of Corporations also states that the actual value of the United States Steel Corporation's entire tangible properties at its formation was not more than \$700,000,000, or about one-half its capitalization. The report also states that enormous profits were made from the flotation of securities of the new company. The underwriting syndicate alone, of which J. P. Morgan & Co. were the managers, cleared a cash profit of about \$62,500,000.

The company and its subsidiaries constitute a highly integrated unit from ore to finished products. Through its subsidiaries, the company owns vast natural resources including coal, limestone, and high-grade iron ore. It operates railroads, shipyards, and steamship lines. It manufactures all kinds of iror and steel products and cement, with emphasis on the ordinary open-hearth trade steel for the railroad construction and other capital goods industries. It is also engaged in the fabrication of a wide variety of finished products including bridges, ships, barges, railroad, and oil-well equipment. The principal producing center has always been in Pittsburgh, but important plants are also located in Gary, Cleve-

land, Youngstown, Chicago, Birmingham, San Francisco, and Milwaukee. Since its organization, United States Steel Corporation has continued to act solely as a holding company and has acquired numerous competing and other concerns of which the more important were Union Steel Co. in 1902, Clairton Steel Co. in 1904, Tennessee Coal Iron & Railroad Co. in 1907, and Atlas Portland Cement Co. and Columbia Steel Co. in 1930

Bethlehem Steel Corporation, the second largest company in the industry, had

particularly rapid growth during and immediately following the World War.

³ Pt. 1, 1911.

This company was organized in 1904 to acquire control of a number of companies engaged in shipbuilding and the manufacture of ordnance and specialty steel products. Charles M. Schwab, who was one of the organizers of United States Steel Corporation promoted the organization of Bethlehem Steel Corporation. For some years prior to the formation of Bethlehem he desired to go into the steel business on his own account and the acquisition of the capital stocks of one of the constituent companies in 1901 gave him the opportunity.

Bethlehem Steel Corporation has since become a thoroughly integrated concern from raw materials to finished products through the acquisition of numerous iron ore, coal, and limestone deposits and competing iron and steel and shipbuilding companies. Among other acquisitions, the company acquired control of Pennsylvania Steel Co. and Baltimore Sheet & Tin Plate Co. in 1916. During 1921, 1922, and 1923, it also acquired a number of important companies including Baltimore Drydocks & Shipbuilding Co., Lackawanna Steel Co. and Midvale

Steel & Ordnance Co. and its subsidiary, Cambria Steel Co.

The company and its subsidiaries own extensive raw-material resources, together with manufacturing properties, railroads and fleets of ocean and lake steamers. The business includes the manufacture of all kinds of iron, steel, and related products. It also includes the fabrication and erection of steel for buildings, bridges, and other structures, the construction of railroad cars for passenger and freight transportation and the building and repairing of naval and commercial vessels. Producing plants are located in Pennsylvania, Maryland, New York, Washington, and California. Important steel fabricating works are located in Pennsylvania, New York, New Jersey, Illinois, and California. Shipbuilding and ship repair plants are located at Baltimore and Sparrows Point, Md.; Boston, Quincy and Braintree, Mass.; and San Francisco, Alameda, and San Pedro, Calif.

Like the United States Steel Corporation, the bulk of Bethlehem's business has

always been in steels for the railroad and building industries.

Republic Steel Corporation, the third largest company in the industry, has had a particularly rapid growth through acquisition of competing companies since its organization in 1930. This company had its beginning in 1899 as Republic Iron & Steel Co. In 1930 the latter company and four other large companies—Central Alloy Steel Corporation, Donner Steel Co., Berger Manufacturing Co., and Bourne-Fuller Co.—were merged to form Republic Steel Corporation. Among the more important acquisitions of Republic Steel Corporation, since that time were the Corrigan, McKinney Steel Co., Newton Steel Co., and Truscon Steel Co. in 1935; Canton Tin Plate Corporation in 1936; and Gulf States Steel Co. in 1937.

The corporation and its subsidiaries is fairly well integrated and owns large coal and iron reserves, the latter in both the Lake Suj erior and Birmingham districts. Its principal plants are located in Cleveland, Youngstown, Warren, Niles, and Canton, Ohio; Buffalo, N. Y.; Chicago, Ill.; and Birmingham, Ala. The company and its subsidiaries are largely producers of alloy steels and among the leaders in capacity for stainless steel production. They rank high in the production of tin plate but have little or no capacity in heavier steels such as rails and

structurals. Their largest single customer is the automobile industry.

Jones & Laughlin Steel Corporation is the fourth largest steel producer in the country and with its subsidiaries forms an integrated system with works at Pittsburgh and Alquippa, Pa., coal properties on the upper Monongahela River and interests in iron ore, steamship, and railroad properties. Although the company manufactures a diversified line of iron and steel products, its major product is pipe, structural, and railway steel. The company was incorporated in Pennsylvania in 1922 as successor to Jones & Laughlin Steel Co. which had been incorporated in Pennsylvania in June 1902 as successor to the former partnership

of Jones & Laughlin, Ltd., established in 1850.

The National Steel Corporation, the fifth largest company, was incorporated in 1929 as a holding company. It acquired capital stocks giving control of Weirton Steel Co., Great Lakes Steel Corporation and certain subsidiaries of the M. A. Hanna Co. which owned large ore reserves in the Lake Superior district, freighters for the transportation of the ore and plants for the manufacture of iron and steel. The acquisition of these companies together with erection of a large plant in the Detroit industrial area make National Steel a well-integrated unit ranking fifth in ingot capacity and about third in the production of tin plate. Its plants in the Detroit area produce steel bars, strip, sheets, and related products while its other main plant at Weirton, W. Va., produces primarily tin plate and "heavy" steel, such as shapes, plates, and structural steel. The company does a substantial business with the automobile industry.

Youngstown Sheet & Tube Co., the sixth largest company, had its beginning in 1900 as Youngstown Iron Sheet & Tube Co., the name of which was changed to

the present title in 1905.

About two-thirds of the capacity is centralized in the Youngstown district of Ohio and the remainder in the Chicago area. The company is well integrated and controls substantial coal, iron ore, and limestone reserves. The company produces a diversified line of steel products and has expanded its business in recent years into the "light" steel lines, notably in sheet and strip steel for the auto-

mobile and household equipment industries.

Inland Steel Co. has been the most profitable of any of the companies under This company was established in 1893. It is fully integrated with operations varying from the production of raw material requirements to the faboperations varying from the production of raw material requirements to the lab-rication and distribution of finished products. The principal ore and steel-pro-ducing properties are located along the southern shore of Lake Michigan and Indiana Harbor, Ind., in the Great Chicago-Gary industrial area. The company is equipped to manufacture a diversified line of products. It is estimated that approximately 60 percent of the finished steel products capacity is available for the production of so-called "light" products such as sheets, strip, tin plate, bars, etc., and 40 percent is available for the production of the so-called "heavy" products, such as shapes, plates, rails, etc. In recent years the company has expanded its operations through a program of construction of plant and facilities and the acquisition of the capital stocks giving control of other companies, notably Joseph T. Ryerson & Son, Inc., Chicago, Ill., fabricators and distributors of steel products and Milcor Steel Co., Milwaukee, Wis., manufacturers and fabricators

of miscellaneous building materials from steel sheets.

American Rolling Mill Co., which was incorporated in 1917, specializes in producing high-quality steel, iron sheets, and light plates. It has little or no capacity for heavy products such as rails and structurals. Its main outlet is the automobile industry while other important consumers include jobbers and the road construction, refrigerator and electrical equipment industries. Fully integrated plants are located in Ashland, Ky., on the Ohio waterway and Middletown, Ohio, near Cincinnati. Finishing mills are located in the Pittsburgh district and at

Kansas City.

Wheeling Steel Corporation was organized in 1920 to consolidate the properties of a number of old-established companies. It is one of the small but well integrated units in the steel industry. It owns 14 manufacturing plants along the Ohio River Valley in the States of West Virginia and Ohio; iron ore properties in Minnevirginia, and Ohio; and interests in railroad and river transportation. It is reported that more than 70 percent of the corporation's output in recent years has consisted of sheets, tin plate, and strips. The company's largest customer is the automobile industry which takes from 20 to 25 percent of the total output.

Otis Steel Co. was incorporated in 1912 to acquire the property and assets of an English corporation of the same name registered in 1895. The company's plants are well located geographically on lake and river frontage in Cleveland permitting transportation by water of raw materials and of finished steel to Detroit and other The company specializes in the manufacture of automobile steel and sells about one-half of its finished output to the automobile industry. About 17 percent

of the company's capacity is in structural and other heavy steels.

Pittsburgh Steel Co., the smallest company for which financial information is presented, was organized in 1901. The company and its subsidiaries engage chiefly in the manufacture and sale of pig iron and a wide variety of semifinished and finished steel products. Plants are located along the Monongahela River and the company controls coal and iron ore reserves and through its subsidiaries

operates a railroad and fleet of barges.

Rates of return on the combined investments of all companies under review are shown below for each of the years 1917-38, on three bases of investment, namely, the total investment, stockholders' investment, and common stockholders' equity, before deducting provisions for Federal income and profit taxes from earnings and after eliminating appreciation and other intangibles from investments. The aggregate amount of appreciation and other intangibles deducted from investments range from \$580,098,176, in 1917, down to \$268,565,845 in 1937 and \$18,337,800 in 1938. On the average, about 85 percent of the appreciation pertained to United States Steel Corporation. The amounts applicable to the United States Steel Corporation ranged from \$522,609,129 in 1917 down to \$249,583,149 in 1937. In 1938, the company wrote off all but \$1 of the latter amount. The bulk of the remainder of appreciation pertained to Bethlehem Steel Corporation and Republic Steel Corporation. The maximum amounts of intangibles applicable to these companies were \$14,083,793 for Bethlehem, and \$32,996,728 for Republic.

	N T	Ra	tes of retur	n on		Maria	Rates of return on—			
Year	Num- ber of com- panies	Total invest- ment	Stock- holders' invest- ment	Common stock- holders' equity	Year	Num- ber of com- panies	Total invest- ment	Stock- holders' invest- ment	Common stock- holders' equity	
1917 1918 1919 1920	9 9 10 10	Percent 31. 86 21. 95 9. 75 11. 52	Percent 46. 17 29. 51 11. 74 14. 26	Percent 63. 85 37. 36 13. 39 16. 83	1929 1930 1931 1932	10 11 11 11	Percent . 11, 53 . 5, 47 . 58 . 1 2, 96	Percent 13. 17 5. 50 1. 27 1 4. 50	Percent 14.91 5.13 1 2.05 1 7.54	
1921 1922 1923 1924 1925	10 10 10 10 10	3. 12 4. 20 8. 68 6. 45 7. 34	2. 23 3. 78 10. 09 6. 91 8. 18	2, 51 11, 02 6, 61 8, 56	1933 1934 1935 1936 1937	11 11 11 11	1 1.03 .41 2.42 5 52 8.16	1 2, 21 1, 50 1, 86 5, 72 9, 02	14.78 12.64 .39 5.44 9.76	
1926 1927 1928	10 10 10	8. 77 6. 72 8. 27	10. 10 7. 22 9. 29	11. 08 7. 26 10. 08	A verage.	11	6, 59	7.02	7.03	

I Denotes loss.

The tabulation indicates that profits were earned on each basis of investment in all years prior to 1931 and high returns were earned during the years 1917–20 and again in 1929, although substantial returns were earned during the intervening years. Losses sustained during the depression years and the relatively small profits earned in most of the succeeding years were such that the results of operations were decidedly less favorable as a whole since the beginning of 1931 than for the period prior thereto. For example, the average return on the total investment for the years 1917–30 was 9.87 percent as compared with 1.68 percent for the years 1931–38. The average return of 6.59 percent for all years on this basis of investment was higher than for any year during the latter period, except in 1937, when 8.16 percent was earned. It will be noted that while the trend in earnings was upward following 1932, there was a sharp reversal in 1938 when only nine-tenths of 1 percent was earned on the total investment.

The following tabulation compares the average annual rates of return during the years 1917-38 on each basis of investment for individual companies and

their subsidiaries:

	Total invest- ment	Stock- holders' invest- ment	Common stoek- holders' equity
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation Youngstown Sheet & Tube Co. National Steel Corporation Inland Steel Co. American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co. Pittsburgh Steel Co.	4. 53 3. 84 6. 03 6. 45 8. 17 10. 18 6. 53 6. 09	Percent 7.97 4.09 3.14 6.15 7.05 9.46 11.97 6.90 6.20 3.04 4.69	Percent 8.31 3.29 1.58 5.79 7.16 9.46 12.17 7.17 4.72 1.75 3.68
Combined.	6. 59	7. 02	7. 03

Denotes loss.

The tabulation shows that the returns for only 3 of the 11 companies exceeded the average returns for the 11 companies combined; namely, those for United States Steel Corporation, National Steel Corporation, and Inland Steel Co. The average returns for the 2 smaller companies were greater than for United States Steel Corporation or any of the other companies shown in the tabulation. Except for the Steel Corporation, the returns earned by the larger companies were

less favorable on the whole than for the smaller companies. Republic Steel Corporation, the third largest company in the industry earned an average return of 3.84 percent on its total investment which was the lowest return earned by any of the companies. Bethlehem Steel Corporation, the second largest company, earned an average return of 4.53 percent on its total investment which was the next smallest return, except for Otis Steel Corpoartion, one of the smaller companies, which earned an average return of 4.18 per ent on its total investment.

The showing for all companies as a group is, of course, influenced considerably by the magnitude of the investment and operations of United States Steel Corporation. During the years under review, profits were earned by the corporation in all years prior to 1931 equivalent to 10.77 percent on the total investment, 13.08 percent on the stockholders' investment, and 15.43 percent on the common stockholders' equity. During the subsequent years, earnings applicable to the total investment and stockholders' investment were slightly in excess of losses to the extent of 0.87 percent and 0.59 percent, respectively, of each basis of investment; but with respect to the common stockholders' equity, Iosses exceeded profits equivalent to 1.34 percent of the investment.

The average of the Steel Corporation's total investment for the 22-year period was 55 percent of the total for the 11 companies, which was 3½ times larger than the average of the next largest company, Bethlehem Steel Corporation. The tabulation which follows shows the relative importance of each of the 11 companies from the standpoint of total capital investment on the basis of their

average investments for the period under review and for the year 1938:

	Average total investment—							
	1917-38	3	1938					
	Amount	Percent of total	Amount	Percent of total				
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation	\$1, 760, 820, 526 528, 805, 568 148, 335, 836	54. 56 16. 39 4. 60	\$1, 557, 164, 621 655, 782, 528 322, 329, 168	43. 46 18. 30 9. 00				
Jones & Laughlin Steel Corporation	182, 959, 802 165, 650, 756 1 144, 350, 340 80, 407, 561	5. 67 5. 13 4. 47 2. 49	207, 196, 670 212, 984, 832 179, 009, 187 147, 494, 335	5. 78 5. 94 5. 00 4. 12				
American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co. Pittsburgh Steel Co.	61, 995, 249 84, 723, 458 29, 650, 862 39, 298, 408	1. 92 2. 63 . 92 1. 22	123, 510, 197 105, 501, 517 34, 813, 722 37, 258, 963	3.45 2.94 .97 1.04				
Total	3, 226, 998, 366	100.00	3, 583, 045, 740	100.00				

¹ Annual average, 1930-38. ² Annual average, 1919-38.

The tabulation shows that the deviation in investments from the 1917-38 average was greatest for United States Steel Corporation. In 1938 its proportion of 43½ percent of the combined investments of all 11 companies was 11 percent less than for the 1917–38 average. Except for Pittsburgh Steel Co., the trend for all other companies was in the opposite direction, the most rapid growth being indicated for Republic Steel Corporation. The decline in the Steel Corporation's position is accounted for principally by a reduction in surplus of \$270,000,000 in 1935 when that amount was transferred to depreciation reserves to make good a deficiency in the amount reserved for depreciation and depletion.

On the 3 bases of investment on which rates of return were computed, about 77 percent of the average of the total investment for the 11 companies during the period under review consisted of the stockholders' investment and nearly 60 percent consisted of the common stockholders' equity. In other words, about 23 percent of the average of the total investment consisted of long-term debt as a source of capital funds and about 17 percent of the total consisted of preferred stocks. However, the earnings on that part of the capital obtained from those sources were on the average, only slightly in excess of the interest cost on the debt and dividend payments on the preferred as indicated by the fact that the average returns for all companies in the tabulations were less than one-half of 1 percent higher on the common stockholders' equity than on the total investment.

There were quite wide variations in the returns for individual companies throughout the years under review, although in general they followed uniform

trends. The following tabulation affords a comparison of the annual rates of return on the total investment for each of the 11 companies during the years 1917–38.

Rates of return on total investment for the principal steel companies, 1917-38

Year	United States Steel Corpo- ration	Bethle- hem Steel Corpo- ration	Republie Steel Corpo- ration	Jones & Laughlin Steel Corpo- ration	Youngs- town Sheet & Tube Co.	Nationa ¹ Steel Corpo- ration
1917 1918 1919 1920 1920 1922 1922 1924 1925 1924 1925 1926 1927 1928 1929 1930 1931 1931 1931 1932 1933 1934 1935 1936 1937 1938	Percent 30. 94 24. 60 9. 28 10. 65 4. 39 4. 65 9. 32 7. 55 7. 84 9. 23 7. 25 8. 71 12. 18 6. 16 6. 16 4. 3. 52 4. 1. 75 4. 81 6. 63 4. 56 8. 64 6. 22	Percent 20,89 9,52 11,00 7,52 6,13 3,69 5,69 5,69 5,69 5,49 11,10 22,03 4,71 1,10 2,11 1,21 1,97 3,72 6,92 1,97	Percent 40.74 18.75 4.34 13.83 46.75 2.04 11.32 4.26 6.89 8.56 5.82 7.29 11.52 24 4.2.21 4.39 6.35 6.63 5.65 6.35 5.65 4.95	Percent 33.69 13.55 14.90 18.49 41.44 3.87 7.78 6.20 6.85 9.74 7.10 9.26 11.56 5.06 4.84 4.3.89 4.2.24 4.1.34 -0.6 2.95 3.47 4.1.79	Percent 55. 62 18. 09 9. 40 10. 26 4. 17 5. 13 11. 26 6. 83 10. 23 11. 03 5. 49 7. 69 12. 92 5. 19 4. 1. 22 4. 0. 07 4. 1. 93 . 90 3. 12 7. 50 8. 49 1. 33	9. 85 5. 78 2. 83 3. 85 6. 66 10. 33 11. 38 15. 44 5. 98
Annual average	7. 33	4. 53	3. 84	6.03	6. 45	8. 17
· ·				1	1	
Year	Inland Steel Co.	American Rolling Mill Co.	Wheeling Steel Corpo- ration	Otis Steel Co.2	Pitts- burgh Steel Co.	Com- bined
Year 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1931 1932 1933 1934 1935 1936 1937 1938 Annual average	Steel	Rolling	Steel Corpo-	Steel	burgh Steel	

Data are not available prior to 1930.
 Data are not available prior to 1919.

Up to this point operating results have been discussed primarily in terms of percentages of profit on investment. For the purpose of indicating the volume of business, net income and surplus accumulation of the various companies, their net sales, net income, dividend payments and surplus have been summarized and are presented in the following tabulation. The upper part of the table gives the total for each item for each of the 11 companies for all years during which the information was available within the period, 1917–38. The lower part of the table shows the annual averages of their net sales, net income, dividend payments and net income remaining after dividend payments.

³ Rate of return for 18 months; on a mathematical ratio it would be 13.26 percent for 12 months.

⁴ Denotes loss.

Summary of net sales, net income, dividends, and net changes in surplus for all years within the period 1917-38, and annual averages thereof, for the principal steel companies

22		C,	OIN	C IM	111	(A)	LIŲ		T EC	JOI	VO.	111() I	01	1 124	IX.				
Net increase	in surplus during period	2 \$108, 941, 900	2 4, 507, 000	40, 475, 031	1 23, 413, 516	2 3, 368, 380	27, 809, 409 17, 433, 310	5, 777, 640	5, 096, 247 1, 420, 873 10, 042, 334					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				e 30, 1916, inclusive.
Othor not do	ductions	\$351, 028, 711	44, 955, 110	\$ 45,081,089	92, 975, 726	54, 004, 794	10, 294, 483 34, 994, 462	3 9, 754, 329	5 11, 093, 877 6 1, 545, 553 5 16, 001, 187					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6 6 8 9 9 9 1 1			7 Data are for a 22½-year period from June 30, 1916, Dec. 31, 1938.
Net income	after dividends	\$242, 086, 811	40, 448, 110	4 4, 606, 058	69, 562, 210	50, 636, 414	38, 103, 892 52, 427, 772	4 3, 976, 689	4 5, 997, 630 4 124, 680 4 5, 958, 853		11, 003, 946	1, 838, 551	⁴ 209, 366	3, 161, 919	2, 301, 656	4, 233, 766 2, 383, 081	4 176, 741	4 272, 619	4 270, 857	e for a 22½-year 1938. e for the period f
	Total dividends	\$1, 427, 971, 442	233, 371, 499	50, 448, 550	92, 526, 827	82, 548, 520	33, 423, 139 71, 203, 688	61, 616, 550	75, 090, 414 9, 581, 217 33, 713, 235		64, 907, 793	10, 607, 795	2, 293, 116	4, 205, 765	3, 752, 205	3, 713, 682	2, 738, 513	3, 413, 200	1, 532, 420	7 Data are for to Dec. 31, 1938 8 Data are for
paid on-	Common stock in stock	\$203, 321, 000	30, 000, 000	2 1 2 4 1 1 2 1 1 1 1 2 1 1 2 1 2 1 2 1		1, 503, 400		16, 113, 370	29, 667, 359		9, 241, 864	1, 363, 636			68, 336		716, 150	1, 348, 516	477, 273	6 Other net additions. 6 Data are for the period from 1930 to 1938, inclusive.
Dividends paid on-	Common stock in cash	\$669, 817, 548	101, 902, 821	16, 856, 630	48, 002, 099	62, 802, 058	33, 423, 139 67, 703, 688	36, 466, 844	7, 658, 867 2, 628, 155 12, 198, 735		30, 446, 252	4, 631, 946	766, 210	2, 182, 141	2, 854, 639	3, 713, 682 3, 077, 440	1, 620, 748	348, 130	554, 488	
	Preferred stock in cash	\$554, 832, 894	101, 468, 678	33, 591, 920	44, 519, 728	18, 243, 062	3, 500, 000	9, 036, 336	37, 764, 188 6, 953, 062 11, 014, 500		25, 219, 677	4, 612, 213	1, 526, 906	2, 023, 624	829, 230	159, 091	401, 615	1, 716, 554	500, 659	eriods from 1917-, 1938, inclusive. idends.
	Net income 1	\$1, 670, 058, 253	273, 819, 609	45, 842, 492	162, 089, 037	133, 184, 934	71, 527, 031 123, 631, 460	57, 639, 861	69, 092, 784 9, 456, 537 27, 754, 382		75, 911, 739	12, 446, 346	2, 083, 750	7, 367, 684	6, 053, 861	7, 947, 448 5, 619, 612	2, 561, 772	3, 140, 581	1, 261, 563	³ Net sales are for periods from 1917-27, inclusive, and 1932 to 1938, inclusive. ⁴ Net loss after dividends.
	Net sales	\$26, 136, 166, 672	5, 581, 283, 309	3 1, 561, 064, 842	2, 010, 480, 461	2, 181, 358, 232	769, 501, 824 1, 169, 859, 870	1, 033, 570, 281	1, 319, 260, 478 434, 241, 375 561, 201, 400		1, 188, 007, 575	253, 694, 696	3 86, 725, 824	91, 385, 176	99, 152, 647	85, 500, 203 53, 175, 448	45, 936, 457	59, 966, 385	25, 509, 155	
	Companies	Totals for entire period: United States Steel Cor-	ration Steel Corpo-	republic Steel Colpo- ration	Corporation Sheet &	Tube Co.	tlon 6 Inland Steel Co	American Rolling Mill	Wheeling Steel Corporations of Tation Corporations Steel Co.	Annual average for period: United States Steel Cor-	Poration Steel Corno-	Republic Steel Corno-	ration ration Steel	Corporation Sheet. &		tion 6 Inland Steel Co	Co C	ration results of the corporation ration	Pittsburgh Steel Co.	¹ Net income after deducting Federal income and profits taxes. ² Decrease in surplus.

The table shows that United States Steel Corporation was also dominant with respect to volume of business. Its total net sales of \$26,000,000,000 during the 22 years 1917–38 was 5 times the volume of the next largest company, Bethlehem Steel Corporation, and its average sales amounted to nearly 60 percent of the average for all 11 companies. In 1917, its sales amounted to 70 percent of the combined sales for 9 of the companies for which the information was available in that year. In 1938, however, its proportion of the combined sales for the 9 identical companies had declined to about 50 percent.

The table shows that the Steel Corporation's net income for the 22-year period amounted to \$1,670,058,253 after providing for all costs and expenses of doing business, including provisions for the payment of Federal income and profits taxes. Of this amount, \$1,427,971,442 was either paid out in cash or appropriated for dividends. Cash dividends of \$554,832,894 were paid on the outstanding cumulative preferred stock at the rate of 7 percent per annum, and cash dividends amounting to \$669,817,548 were paid on the common stock at varying rates. The remainder of the dividend payments, amounting to \$203,-321,000, represents earnings retained in the business through capitalization of a 40-percent common-stock dividend declared in 1927 on the common stock.

The stock dividend of \$203,321,000, together with accumulated earned surplus of \$108,941,900, accounts for at least \$312,262,900 of reinvested earnings. Other principal sources of funds to the Steel Corporation during the 22-year period originated from the sale or issue of common stock for \$239,954,000 and the retention within the business of asset values represented by the increase in depreciation had depletion reserves of \$1,061,170,000. The disposition of these resources, aggregating \$1,613,386,900, is accounted for principally by the expenditure during the period of \$426,425,000 in retirement of funded debt and by a net increase in investment in property of \$1,265,918,000.

As indicated above, the whole of the increase in depreciation reserves flowed into the property account and does not take into account the replacement of property actually retired with property of equal cost. During the period the corporation's capital expenditures aggregated over a billion and a half dollars and it expended in excess of 2 billion dollars for repairs, maintenance, and extraordinary replacements.

In general, the provisions for annual depreciation and obsolescence of steel plants and equipment are made on the straight-line method and are arrived at by applying against the investment cost of each facility a rate to previde for its depreciation and obsolescence based upon the life expectancy of the facility. Large amounts have been provided annually for depreciation and obsolescence, which, according to the experience of the various companies, were deemed to be sufficient to equal, on the average, the gross book value of the property, less salvage, as and when such properties were to be withdrawn from service. The amounts so provided ranged from 33 to 50 percent of the total recorded values of the respective properties of the 11 companies at December 31, 1938, as shown by the following tabulation:

	Property	Depreciation and depletion reserves	Percentage of reserves to property
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation Youngstown Sheet & Tube Co. National Steel Corporation Inland Steel Co. American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co. Pittsburgh Steel Co.	\$2, 344, 316, 958 758, 386, 677 384, 506, 096 251, 753, 555 254, 353, 983 213, 897, 076 165, 825, 925 123, 437, 777 124, 156, 073 42, 814, 957 45, 352, 084	\$1, 177, 797, 445 306, 367, 631 145, 632, 568 94, 311, 256 123, 672, 860 70, 189, 566 60, 797, 700 44, 094, 549 52, 285, 296 17, 161, 183 20, 162, 239	50, 24 40, 40 37, 88 37, 46 48, 62 32, 81 36, 66 35, 72 42, 11 40, 08 44, 46

For the period covered by this study, United States Steel Corporation has controlled as many as 259 subsidiary companies. However, numerous consolidations and transfers of properties within the system has materially reduced the number. For example, at December 31, 1937, the corporation controlled 137 subsidiaries, of which 15 were engaged primarily in the production of steel and steel products; 10 were engaged in related manufacturing activities, including shipbuilding, bridge building, and coment production; 49 were ore-mining companies; 8 were coal and coke companies; 27 were transportation companies; and

28 were engaged in a variety of other activities, such as real estate, merchandising,

and community utility services.

During the last 14 or 15 years eight of the steel-producing companies accounted for substantially all of the system's raw, semifinished, and finished iron and steel products and accounted for more than half the investment and nearly half the income of United States Steel Corporation as a consolidated system. An analysis was made of the investments and operating results of these eight companies, together with those of the transportation companies and three of the principal manufacturing or fabricating companies, all of which accounted for 70 percent of the net income and represented 78 percent of the investment for the system during the years 1925–37. The relative proportions, including rates of return, are as follows:

	Percent of investment to total 1	Percent of income to total 1	Average rate of return percent
United States Steel Corporation—Consolidated 1	100.00	100.00	4. 69
Principal steel-producing companies Transportation companies	55. 86 16. 17	44. 07 22. 81	3. 70 6. 62
Universal-Atlas Cement Co American Bridge Co Federal Shipbuilding & Dry Dock Co	1. 88 4. 22 . 38	3. 04 1. 24 2. 28	7, 58 1, 38 2 3, 48
Total	78, 51	70. 88	

¹ Based on average investment of \$1,778,646.089 and average net income of \$83,476,428, excluding intangibles.

² Denotes loss.

The earnings of all other companies in the system, constituting 22 percent of the consolidated investment, were equivalent to about 3 percent of their combined investment.

The yearly rates of return on total investment for the subsidiaries as classified above is shown in the following tabulation for all years during the period 1917–38 for which the information is available.

Rates of return on total investment

Year	Principal steel-pro- ducing sub-	Transpor- tation sub-	Federal Shipbuild- ing & Dry	American Bridge Co.	Universal Atlas
	sidiaries 1	sidiaries 2	Dock Co.		Cement Co.
1018	Percent	Percent	Percent	Percent 12. 67	Percent 23, 34
1917		8. 76 8. 61		8.64	23. 34
1918		6, 64	46, 28	7. 28	37, 94
1920		10. 91	3 2.65	3. 38	15, 29
1921		6. 69	3 5. 51	1. 77	20. 28
1922		10.05	3 6, 70	3, 68	24, 43
1923		12.50	³ 13. 98	3, 48	37.45
1924		6. 20	³ 5. 15	3.06	32. 19
1925		9.66	8 10. 31	4. 43	27. 59
1926		11.06	3 8, 75	4.89	24. 45
1927		7. 63	3 8. 43	2.90	19. 62
1928	9. 24	9. 68	3 15. 90	3. 49 3. 74	20. 14
1929	13. 77 3. 86	11. 68 6. 80	³ 8. 40 2. 28	3. 74 3. 76	13. 44 14. 23
1930		1, 64	11, 74	1. 73	³ 6, 80
1932	3 4. 37	3 1. 57	4.00	. 26	³ 7, 65
1933	3 2, 60	2, 34	3, 92	3 1, 52	\$ 2. 18
1934	3, 50	1, 97	3 17, 71	3 3, 28	1, 45
1935	. 74	4. 56	8 4. 97	8 3. 59	. 65
1936	1.68	10.38	14. 87	3.75	9, 35
1937	6. 36	12. 64	3, 79	. 48	7. 44
1938	3 2. 31				
Annual average	3. 23	7. 36	. 19	2. 53	11. 11

¹ Includes from 6 to 8 companies.

3 Denotes loss.

Includes from 25 to 30 companies.

Carnegie-Illinois Steel Corporation is the largest steel-producing unit in the United States Steel Corporation system. It was formed in 1935 by consolidation of Carnegie Steel Co. with the principal plants of Illinois Steel Co. A year later, American Steel & Tin Plate Co. was added, with the result that in 1939 Carnegie-Illinois Steel Corporation's steel-ingot capacity was approximately 77 percent of the total for the system.

The annual rates of return for this company and the others comprising the returns for the steel-producing group shown above are presented in the following tabulation for each company separately. The tabulation also affords a comparison of the annual returns of these companies as a group with the annual returns for the system as a whole because of the influence they exercise on the over-all operating results.

Rates of return on total investment

Traces of return on total investment										
Year	American Sheet & Tin Plate Co.1	American Steel & Wire Co.	Carnegie- Illinois Steel Cor- poration ¹	Carnegie Steel Co. ¹	Illinois Steel Co.1					
1925 1926 1927 1928 1929 1930 1931 1931 1932 1933 1933 1934 1935		Percent 3, 42 3, 81 2, 24 4, 25 6, 52 2, 33 2, 30 2, 90 2, 1, 86 2, 73 2, 48 39 2, 6, 81	21.67 .02 6.77 23.66	Percent 1, 68 5, 96 3, 59 8, 34 14, 48 3, 89 2, 3, 02 2, 5, 37 2, 5, 86 2, 2, 42	Percent 23. 52 30. 13 22. 80 27. 47 30. 96 10. 15 2 4. 21 2 5. 57 2 3. 55 74 3. 64 1. 63 2. 81 1. 97					
A verage.	2. 13	. 52	. 32	2.38	9. 30					
	1									
Year	Columbia Steel Co.	National Tube Co.	Tennessee Coal Iron & R. R. Co.	Principal steel pro- ducing subsidiaries combined	United States Steel Cor- poration consoli- dated					
1925			Coal Iron & R. R.	stecl pro- ducing subsidiaries	States Steel Cor- poration consoli-					

¹ In 1935, principal plants of Illinois Steel Co. were merged with Carnegie Steel Co. to form Carnegie-Illinois Steel Corporation. In 1936, American Sheet & Tin Plate Co. was added.
² Loss.

Large cash salaries and other compensation were paid to the executives of United States Steel Corporation and to the executives of most of the other companies under review. The following tabulation gives the aggregate compensation—cash salaries and bonuses—received by the three highest paid officers of each company during the years 1935–38.

Aggregate compensation ¹ received by the 3 highest paid officers during the years 1935-38

	1935	1936	1937	1938	Average
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones and Laughlin Steel Corporation Youngstown Sheet & Tube Co National Steel Corporation Inland Steel Co. The American Rolling Mill Co Wheeling Steel Corporation Otis Steel Co. Pittsburgh Steel Co.	\$382, 353	\$367, 922	\$410, 457	\$379, 897	\$385, 157
	473, 332	450, 000	728, 962	708, 308	590, 150
	275, 240	335, 000	350, 000	320, 832	320, 268
	135, 587	187, 217	238, 333	220, 833	195, 492
	120, 400	122, 720	180, 070	175, 166	149, 589
	430, 280	460, 220	474, 446	362, 700	431, 911
	163, 980	177, 400	179, 500	160, 750	170, 407
	183, 765	269, 346	319, 441	298, 220	267, 693
	140, 000	140, 000	125, 000	109, 999	128, 749
	111, 250	148, 000	190, 800	118, 800	142, 712
	79, 934	55, 890	71, 980	96, 000	75, 951

¹ Includes cash salaries and bonuses.

It will be noted that the highest paid officers of United States Steel Corporation did not receive as much compensation on the average as did those of Bethlehem

Steel Corporation and National Steel Corporation.

In 1938, the highest paid officer of any of the companies was Eugene G. Grace, president of Bethlehem Steel Corporation, who received \$378,698 followed by Charles M. Schwab, chairman of the board of directors of that company, who received \$180,000. Three other officers of that company each received \$149,610. The highest paid officer of United States Steel Corporation in that year was William A. Irvin, vice-chairman of the board of directors, who received \$140,070 and the next highest paid was Benjamin F. Fairless, president, who received \$135,344. Ernest T. Weir, chairman of the board of directors, and George R. Fink, president, were the highest paid officers of National Steel Corporation in 1938, each received ver \$200,000 per annum. Other high paid officers of other companies were T. M. Girdler, president of Republic Steel Corporation, who received \$160,416 in 1938, and Charles R. Hook, president of American Rolling Mill Co., who received \$134,846 in that year.

FARM MACHINERY INDUSTRY

Information concerning investments, profits, and rates of return is presented for a varying number of companies in each of the years 1913–37 in the report on Investments, Profits, and Rates of Return for Manufacturers of Farm Implements and Machines. The companies for which the information is presented account for most of the business of the industry since they include all of the larger companies and their predecessors for all years. For example, in 1914 all of the companies under review accounted for 93 percent of the total value of farm machinery produced and in 1936 their total sales represented over 95 percent of the total domestic and export sales of farm machinery.

During the 25-year period, the bulk of the farm-machinery business has been in the hands of a few companies. This concentration, accompanied by price leadership, has come about and continues to increase largely as a result of consolidations of competing concerns to form larger units such as International Harvester Co., Minneapolis-Moline Power Implement Co., and Oliver Farm Equipment Co.; and of the acquisition of independents by International Harvester Co., Deere & Co., Allis-Chalmers Manufacturing Co., and J. I. Case Co. These companies, together with B. F. Avery & Sons Co. and the Massey-Harris Co. comprise the full or long-line manufacturers of farm implements and machines.

The full or long-line manufacturers are those who manufacture various types and sizes of farm tillage implements, seeding and planting machines, farming and hauling equipment, and farm power-developing machines. The remainder of the companies for which information is presented comprise the short-line manufacturers of one or more of these kinds of implements, but not a complete

line.

From the standpoint of capital investment and volume of sales, International Harvester Co. dominates the industry. The operations of this company and if closest competitor, Deere & Co., have been highly profitable and their rates of return have generally been much higher than for other companies.

The report of the Federal Trade Commission on the Agricultural Implement and Machinery Industry states 5 that International Harvester Co. and Deere & Co. have established the price levels for the great majority of agricultural implements and machinery; that the large advance in the great majority of farm-machinery prices as compared with the prices of other manufactured products since the origin of the International Harvester Co.; the profits of this company; since the origin of the International Harvester Co.; the profits of this company; the high degree of rigidity in farm-machinery prices during the depression; the swift rebound of farm-machinery prices after the 3 severest years of the depression, 1931, 1932, and 1933, to levels exceeding those of 1929, one of the years of highest prices in the history of this industry, and in industry generally; the raising of this company's farm-machinery prices in 1938 over those of 1937 in the face of the company's remarkable earnings in this latter year; the continued dominant position of the International Harvester Co. since 1902 in the farmmachinery industry; the exchange of price lists among farm-machinery manufacturers; evidence of dealer coercion; and the typical monopolistic behavior of the International Harvester Co.'s business operations during the depression when there was only a relatively slight percentage of decline in its farm-machinery prices but a sharp percentage decline in its volume of production and employment as contrasted with the behavior of industries known to be competitive where the percentage in the decline of prices was greatest and the declines in the volume of production and employment, were less in the opinion of the Commission, indicate the existence of a serious monopolistic condition in the farmmachinery industry.

Rates of return on the combined investments of all companies for which the information was available are shown for each of the years 1913-37 in the followtabulation on the basis of total investment and stockholders' investment before deducting provisions for Federal income and profits taxes, and after eliminating appreciation and other intangibles from investments. The investments on which rates of return were computed are the average of the investments at the beginning and end of each year from each company, except in some years that part of the investment represented by borrowed funds was averaged monthly.

	Rates of return on-		·		Rates of return on-		
Year	Number of com- panies	com- Total Stock- Year		Number of com- panies	Total invest- ment	Stock- holders' invest- ment	
1913 1914 1915 1916 1917 1918 A verage, 1913-18 1919 1920 1921 1922 1923 1924 1926 A verage, 1919-26	266 266 266 266 222 166 166 188 199 199 199 20	Percent 9, 44 6, 16 6, 6, 58 9, 66 14, 97 17, 57 10, 72 10, 88 1, 00 1, 39 5, 24 6, 41 12, 25 15, 22 7, 56	Percent 9. 84 6. 01 7. 12 10. 94 16. 47 18. 47 11. 79 10. 75 10. 92 1. 45 1. 78 5. 09 6. 34 12. 48 15. 46 7. 57	1927	59 63 67 69 70 71 71 72 71 70	Percent 14.38 16.99 16.46 8.52 1.02 14.52 11.80 3.58 10.77 214.20 7.51 315.13	Percent 14. 94 17. 82 17. 44 8. 94 1. 62 1 5. 57 1 2. 42 3. 51 11. 30 3 14. 98 7. 67 4 15. 77

Denotes loss.

For the same reason the returns reflect 10 months operations for two companies, viz. J. I. Case Co., Oliver Farm Equipment Co.

Due to change in fiscal year closings the returns reflect 11 months operations for one company, viz, International Harvester Co.

^{* 1037-1038.}

It will be noted that the rates of return on the stockholders' investment were only slightly higher on the average than the rates of return on the total investment. This is accounted for by the fact that the differences between the amounts of stockholders' investment and total investment, including borrowed funds, were relatively small. Most of the capital of the farm-machinery manufacturers was obtained from the issuance of stock and reinvested earnings.

The showing for all companies as a group for each year is influenced by the preponderant investments and profits of the relatively few full or long line manufacturers. On the basis of total investment, their investments, or those of their predecessors, averaged 85.13 percent of the total for all companies under review during the years 1913–18; 93.29 percent of the total for the years 1919–26; 87.02 percent of the total for the years 1927-36; and 98.15 percent of the total for the year 1937. If the investment of one large company, namely, Caterpillar Tractor Co., is eliminated from the comparison for the years 1927-36, for the reason that a considerable portion of its investment is devoted to the manufacture of products other than those for agricultural purposes, the combined investments of the long-line companies would average 92.09 percent of the total for all companies, excluding this company.

The following tabulation shows the ratios of the combined investments of all companies for each period for the long-line companies individually and as a group and for the short-line companies as a group.

Ratios of total investment

	Annual average 1913–18	Annual average 1919–26	Annual average 1927-36	Annual average 1937
Combined investment 1	\$395, 776, 346	\$364, 463, 677	1 \$644, 330, 289	\$620, 352, 684
International Harvester Co. Deere & Co. Allis-Chalmers Manufacturing Co. J. I. Case Co. Emerson-Brantingham Corporation ² . Oliver Farm Equipment Co. Minneapolis-Moline Power Implement Co ³ . The Massey-Harris Co. B. F. Avery & Sons Co.		Percent 63. 90 14. 61 7. 55 5. 59	Percent 55, 53 11, 63 8, 09 6, 57 5, 20 2, 72 1, 48 87	Percent 58. 76 14. 06 12. 82 6. 40 3. 89 2. 22
Long-line companies combined	85. 13 14. 87	93. 29 6. 71	92. 09 7. 91	98. 15 1. 85
Total.	100.00	100.00	100.00	100.00

The rates of return for each of the long-line companies shown above appear in the following table for all years for which information was available. The table shows that International Harvester Co. and Deere & Co., the two largest companies, earned an average return throughout the 25-year period of 9.62 percent and 11.10 percent, respectively, on total investment, which were higher than for any of the other long-line manufacturers.

Comparison of rates on return on total investment for each of the principal long-line farm-machinery manufacturers, 1913-37

Year	Inter- national Harvester Co.	Deere &	Allis- Chalmers Manu- facturing Co.	J. I. Case Co. ¹	Emerson- Brant- ingham Corpora- tlon 1
1913	Percent 10.95	Percent 9,65	Percent	Percent	Percent 6, 14
1914	7.74	5, 63			3, 45
1915	8, 28	7.41			1.27
1916:	11.48	10.61			1.82
1917	17.15	15.94			5.07
1918	17.86	17.76			9. 03
Annua! average	12.34	10.89			3.73

See footnotes at end of table.

Does not include Caterpillar Tractor Co.
 Acquired by J. I. Case Co. in 1928.
 The ratios for 1913-18 are for the predecessor, Moline Plow Co.

Comparison of rates of return on total investment for each of the principal long-line farm-machinery manufacturers, 1913-37—Continued

Year International Harvester Co. Deere & Co. Allischalmers Manufacturing Co.	Emerson- Brant- lngham Corpora- tion
Percent Perc	6.77 4.95 7 3.52 8.42 2 8.42 8 9.25 7 8.04 3 4.10
Annual average 7. 4 7. 70 7. 4	3 1.83
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7
Annual average 8.76 11.51 5.05 5.4 1937 13.18 24.91 13.88 ⁵ 14.6	}
1001	
Annual average 9. 62 11. 10 6. 22 6. 5	1
Annual average 9. 62 11. 10 6. 22 6. 5 Vear Oliver Farm Equipment Power Implement Co. 1 B. F. Avery Sons C	Long-line farm-ma-chinery manufacturers combined
Year Percent Percent	farm-ma- chinery manufac- turers combined Percent 1 0.06 6.62 7.30 10.32 15.72
Year Oliver Farm Equipment Minne-apolis-Moline Power Implement Co. B. F. Avery Sons C	definery manufacturers combined
Year Percent Percent	farm-ma- chinery manufac- turers combined Percent 10.06 21.7.30 30.15.72 31.17.18 31.17.14 41.15 51.17.15 51.12.56 51.12.56 51.12.56
Year Oliver Farm Equipment Minneapolis Moline Power Implement Co.³ The Massey Harris Co. B. F. Avery Sons Co. 1913 Percent Co.³ Percent Percent ment Co.³ Percent Percent Percent Percent 7.31 9.0 1914 3.79 9.1 1915 3.33 1.1 1916 5.48 7.6 1917 9.42 13.9 1918 10.21 25.4 Annual average 6.65 11.3 1920 18.6 18.6 1921 21.5 2.6 1922 3.2 3.2 1923 2.6 5.9 1924 5.9 4.1 1926 6.4 4.1 Annual average 4.8 4.8	farm-ma- chinery manufac- turers combined 10.06 20.66.62 21.73 30.15.72 31.114 40.61 40.07 50.512 50.66.42 50.66.42 50.66.42 50.66.42 50.66.43 50.77 50.66.47 50.66.
Year Oliver Farm Equipment Minneadolis Moline Power Implement The Massey Harris Co. B. F. Avery Sons Comment 1913 Percent Percent Percent Co. Percent Percent Co. Percent Percent Co.	farm-ma- chinery manufac- turers combined Percent 10.06 6.62 7.30 10.32 15.72 15.72 15.72 16.47 11.14 16.50 17.77 18.60 18.60 19.77 17.02 14.55 17.02 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 19.20 20.2
Year	farm-ma- chinery manufac- turers combined Percent 10.06 6.62 17.30 15.72 16.92 16.92 11.18 16.10 11.14 16.60 17.77 17.02 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 18.26 28.26 29.21 20.

¹ Rates of return for J. I. Case Threshing Machine Co., a predecessor company, 1919 to 1928, inclusive, and for Emerson-Brantingham Corporation consolidated with J. I. Case Co. in 1928.

² Rates of return for Moline Plow Co., a predecessor company, 1913 to 1918, inclusive.

³ Loss.

⁴ Based on net profit for 11 months.

⁵ Based on net profit for 10 months.

Throughout the 25-year period, rates of return were higher for the long-line manufacturers as a group than for the short-line manufacturers as a group. During this period the average return on the basis of total investment was 7.69 percent for the long-line manufacturers as compared with 4.57 percent for the short-line manufacturers. The following tabulation compares the rates of return for each group for each of the years 1913–37.

Comparison of rates of return on total investment for long-line and short-line farmmachinery manufacturers, 1913-37 1

	Number machine ufactu each	rers in	Rates of return on total investment			Number of farm- machinery man- ufacturers in each class		Rates of return on total investment	
Year	Principal long-line manufacturers	Short- line manu- fac- turers	Principal long- line manu- fac- turers	Short- line manu- fac- turers	Year	Principal long- line manu- fac- turers	Short- line manu- fac- turers	Principal long-line manufacturers	Short- line manu- fac- turers
1913 1914 1915	5 5 5 5	21 21 21	Percent 10. 09 6. 62 7. 30	Percent 6. 06 3. 54 2. 46	1919-26 2	6	52	Percent 7.77	Percent 4.61 4.59
1916 1917 1918	5 5 5	21 21 17	10, 32 15, 72 16, 92	5. 90 10. 60 21. 75	1928 1929 1930 1931	6 8 8 8 8	56 58 60 61	17. 02 16. 23 8. 26 . 01	7. 09 6. 30 1. 01 3 4. 77
1913–18 ² _ 1919 1920	5 5	11 11	11. 18 10. 43 11. 14	8. 17 - 14. 90 7. 30	1932 1933 1934 1935	8 8 8 8	62 62 63 62	3 4. 28 3 2. 04 3. 11 10. 54	3 8. 00 3 2. 58 2. 14 5. 57
1921 1922 1923	5 5 5	13 14 14	. 61 3 . 07 5, 12	³ 9. 45 ³ 4. 90 7. 01	1936	8	61	1 13. 56	8. 71 1. 78
1924 1925 1926	5 5 5	14 14 14 15	6. 47 12. 56 15. 61	5. 49 7. 87 9. 84	1937	6	11	1 15. 10	16. 73
	Ů	10	10. 01	0.01	1010-01-			1.09	7.07

¹ Due to change in fiscal year closings the return for 1936 reflects 11 months operations for International Harvester Co.; and for 1937 the return reflects 10 months operations for J. I. Case Co. and Oliver Farm Equipment Co.

Annual average.
Denotes loss.

Attention is called to the fact that Caterpillar Tractor Co. is not included in this tabulation, since it could not be classified in either group without distortion because so much of its large investment is devoted to the manufacture of products other than those for agricultural purposes. The tabulation shows that for each period throughout the years 1913–37 the returns for the long-line manufacturers as a group were larger than those for the short-line manufacturers except for the year 1937, when the returns for the short-line manufacturers were somewhat higher than those for the long-line manufacturers. This is accounted for by the fact that the returns for the short-line manufacturers in that year are materially influenced by the profits of 1 company, namely, New Idea, Inc., whose profits were equivalent to 30.49 percent of its investment. Excluding this company, the returns for the other 10 short-line companies as a group would average 11.15 percent in that year.

Many of the companies under review are engaged in operations other than the manufacture of farm implements and machines. For a number of these companies, including Caterpillar Tractor Co. and Allis-Chalmers Manufacturing Co., the manufacturing business other than the farm-machinery business could not be segregated as to investments and profits for the purpose of showing rates of return on the farm machine business only. However, for those companies for which such a segregation could be made, rates of return are presented in the following tabulation for each of the years 1927–36 for the long-time companies

as a group and for the short-line companies as a group.

Rates of return on investment in farm-machinery business only for long-line and short-line manufacturers 1927-36

	Long-line com- panies		Short-line com- panies		Total				
Year	Number of com- panies	Rate return	Number of com- panies	Rate return	Number of com- panies	Rate return.			
1927 1928 1929 1930 1931 1931 1932 1933 1934 1935	5 5 7 7 7 7 7 7	Percent 16. 12 20. 03 18. 41 9. 14 40 15. 71 13. 06 3. 43 12. 31 15. 62	47 50 52 54 55 56 56 57 56	Percent 3. 58 7. 41 5. 53 1. 37 16. 28 110. 68 14. 18 1 79 6. 01 8. 57	52 55 59 61 62 63 63 64 63 64	Percent 14.98 18.90 17.52 8.52 1.09 16.07 13.14 3.31 11.90 15.25			

¹ Denotes loss.

The degree of concentration of the farm-machinery business from the standpoint of volume of sales is indicated in the following tabulation. This tabulation presents the results of an analysis of the sales of 63 companies for the year 1936 in order to determine the amounts of their sales of farm machinery only. The tabulation shows the relative importance of the farm-machinery sales of each of the long-line companies and compares their total sales with the total for the shortline companies for which the information was available:

Cr npany ,	Net sales of farm machin- ery, 1936	Percent of total net sales of 63 com- panies
International Harvester Co Deere & Co J. I. Casa Co Oliver Farm Equipment Co Allis-Chalmers Manufacturing Co Minneapolis-Moline Power Implement Co Massey-Harris Co B. F. Avery & Sons Co	\$124, 832, 407 64, 985, 395 21, 905, 648 18, 171, 169 31, 440, 290 10, 419, 474 4, 955, 029 2, 797, 918	41. 26 21. 48 7. 24 6. 01 10. 39 3. 44 1. 64 . 92
Total 8 long-line companies Total 55 short-line companies. Total 63 companies, 1936	279, 507, 330 23, 064, 579 302, 571, 909	92. 38 7. 62 100. 00

The figures for International Harvester Co. do not include its sales of motor-trucks and binder twine. Although these products are used on the farm, a considerable portion of International's sales are for industrial use primarily. Since this company is the only one for which the figures are submitted who manufactures these products, its sales of motortrucks and binder twine were not included in order to afford a better comparison of the farm machinery sales of all companies. If the sales of these products were included, International's sales would represent 56.43 percent of the total for the long-line companies and 52.99 percent of the total for all companies, instead of 44.66 percent and 41.26 percent, respectively, as shown in the tabulation. However, on either of the bases of comparison, it is evident that International Harvester Co. sales predominated by the fact that its total sales of all products averaged 58.68 percent of the total sales for all companies under review during the years 1913–18; 69.29 percent of the total for the years 1919–26; 57.86 percent of the total for the years 1927–36, excluding the sales of Caterpillar Tractor Co. for the reasons already given; and 55.94 percent of the total sales for all companies in the year 1937.

Further indication of the relative importance and profitableness of the two largest companies—International Harvester Co. and Deere & Co.—is presented from the standpoint of sales and operating results. The following tabulation summarizes the net sales, net income, dividend payments, and net increase in surplus for each of these companies. The upper part of the tabulation gives the totals for these items for all of the years 1913–37. The lower part of the tabulation gives for each company the annual averages of the net sales, net income, dividend payments, and net income remaining after the payment of dividends.

Total and average of annual net sales, net income, dividend payments, and changes in surplus of International Harvester Co. and Deere & Co., 1913-37

	International Harvester Co.	Deere & Co.
Total for entire period 1913-37: Net sales	1 \$4, 630, 842, 896	\$992, 818, 891
Net income, after Federal income tax	564, 109, 599	135, 580, 344
Cash dividends on preferred stock Cash dividends on common stock Stock dividends on common stock	118, 990, 049 149, 621, 548 29, 758, 924	59, 064, 885 6, 000, 619 11, 139, 267
Total dividends paid	298, 370, 521	76, 204, 771
Net income after dividendsOther deductions from surplus	265, 739, 078 222, 537, 521	59, 375, 573 44, 995, 399
Net increase in surplus	43, 201, 557	14, 380, 174
Annual average: Net sales	1 185, 233, 716	39, 712, 756
Net income, after Federal income tax	22, 564, 384	5, 423, 214
Cash dividends on preferred stock Cash dividends on common stock Stock dividends on common stock	5, 984, 862	2, 362, 595 240, 025 445, 571
Total dividends paid	11, 934, 821	3, 048, 191
Netincome after dividends	10, 629, 563	2, 375, 023

Includes sales of all products.

The tabulation shows that during the 25-year period the reinvested earnings remaining in the surplus account of International Harvester Co. were \$43,201,557 at the end of 1937; and for Deere & Co. the amount remaining in its surplus account at the end of that year was \$14,380,174. However, stock dividends paid by International Harvester Co. in the amount of \$29,758,924, together with \$66,137;770 of surplus transferred to capital-stock account during the period, account for at least \$139,098,251 of earnings reinvested in that company's business. The net increase in surplus of \$14,380,174 for Deere & Co., together with \$11,-139,267 of stock dividends paid by that company during the period, account for at least \$25,519,441 of earnings reinvested in its business. The reinvested earnings of these companies accounted for about 86 percent of the net increase in total investment since 1913 in the case of International Harvester Co. and about 58 percent of the net increase in total investment since that date in the case of Deere & Co.

An analysis of salaries and other compensation paid to executives of the principal companies in the industry during the years 1927–36 developed that the average compensation paid by International Harvester Co. and Deere & Co. was higher than for any of the other companies. The average per officer compensation paid by the principal companies during these years was as follows:

	Averag	ge
	Amount	Num- ber of officers
International Harvester Co. Deere & Co. Oliver Farm Equipment Co. Caterpillar Tractor Co. Allis-Chalmers Manufacturing Co. Minneapolis-Moline Power Implement Co. J. I. Case Co. B. F. Avery & Sons Co.	\$71, 074 32, 062 24, 712 23, 540 19, 012 18, 271 17, 025 12, 685	13 7 6 12 9 7 8

The average per officer compensation was highest for International Harvester Co. in all years except 1931, 1932, and 1933, when it was highest for Oliver Farm Equipment Co. The average total compensation per officer paid by International Harvester Co. was \$142,940 in 1927, \$147,524 in 1928, \$161,193 in 1929, \$124,674 in 1930, \$26,329 in 1934, \$24,307 in 1935, and \$37,259 in 1936. Oliver Farm Equipment Co. paid average total compensation per officer of \$36,265 in 1931, \$35,652 in 1932, and \$27,947 in 1933. Deere & Co. also paid substantial compensation per officer during the years 1927–30. These payments averaged \$31,171 in 1927, \$55,314 in 1928, \$75,867 in 1929, and \$59,838 in 1930.

The largest amount paid to any individual officer of the companies referred to herein was paid by International Harvester Co. in the years 1927–30 and 1935–36 and by Oliver Farm Equipment Co. in the years 1931–34. International Harvester Co. paid its president \$353,386 in 1927, \$405,909 in 1928, and \$412,860 in 1929. In 1930 it paid its first vice president \$252,460. In 1935 and 1936 it paid its president \$54,033 and \$94,812, respectively. Oliver Farm Equipment Co. paid its president \$148,031 in 1931, \$115,980 in 1932, \$81,270 in 1933, and \$76,152 in 1934.

SULFUR INDUSTRY

At hearings before the Temporary National Economic Committee,³ it was developed that only four companies, namely, Texas Gulf Sulphur Co., Freeport Sulphur Co., Jefferson Lake Oil Co., and Duval Texas Sulphur Co. produce practically all of the sulfur mined in the United States. In terms of production, capital investment, and volume of sales, the first two companies have dominated the industry for many years. During the past 10 years the two major companies have produced about 90 percent of the total production of sulfur by the four companies. In 1937 Texas Gulf Sulphur Co. and Freeport Sulphur Co. produced about 90 percent of the United States production of sulfur and over 70 percent of the world production of sulfur. Texas Gulf Sulphur Co., operating two properties, both in Texas, produced 1,743,829 long tons, and the Freeport Sulphur Co., operating one property in Texas and one in Louisiana, produced 711,520 long tons. The total for the two companies amounted to 2,455,349 long tons out of 2,741,970 long tons produced in the United States in that year.

In addition to this high degree of concentration in the business by the two major companies, it was also developed that rigid prices for the product were maintained for a considerable time even in the face of large stock surpluses during the prolonged business depression, and exceptionally large profits were earned by these companies for many years.

Financial reports for Texas Gulf Sulphur Co. and Freeport Sulphur Co. were prepared by the Federal Trade Commission from data secured from the companies' files and were offered for the record as exhibits 388 and 389 at the hearings. The significant features of these reports relative to investments, profits, and rates of return for each company are summarized below.

³ Investigation of Concentration of Economic Power, pt. V, pp. 1983-2009 and 2200-2275.

Texas Gulf Sulphur Co. was organized in 1909 as Gulf Sulphur Co., the name of which was changed to the present title in July 1918. The company has been actively engaged in the production of sulfur since March 1919. The following tabulation summarizes the investments, profits, and rates of return for that company for each of the years 1919 to 1938, inclusive.

Year	Average 1 invested capital	Profit 2	Rate of return on investment	Year	A verage ¹ invested capital	Profit 3	Rate of return on invest- ment
1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930	\$5, 158, 964 8, 981, 444 11, 260, 709 12, 193, 447 12, 867, 376 13, 224, 287 13, 259, 817 14, 789, 940 17, 686, 647 21, 672, 752 27, 588, 956 33, 271, 583	\$993, 605 3, 519, 138 1, 941, 499 3, 998, 978 4, 972, 240 5, 088, 585 6, 027, 637 10, 036, 033 13, 109, 692 15, 661, 051 17, 624, 073 15, 100, 977	Percent 19, 26 39, 18 17, 24 32, 80 38, 64 38, 48 45, 46 67, 86 74, 12 72, 26 63, 88 45, 39	1931	\$35, 790, 836 36, 179, 402 37, 506, 165 49, 238, 364 59, 739, 207 59, 132, 509 59, 130, 899 59, 353, 227	\$9, 772, 047 6, 373, 813 7, 956, 893 7, 336, 795 8, 178, 017 10, 843, 015 12, 864, 281 7, 633, 633 8, 451, 600	Percent 27. 30 17. 62 21. 21 14. 90 13. 69 18. 34 21. 76 12. 86

Average of investment at beginning and end of year.
 Before deducting provisions for Federal income and profits taxes.

The tabulation shows that the company earned an average rate of return on the investment of 28.75 percent during the 20 years 1919-38. It will be noted that the company's operations were profitable in every year during this period and reflect rates of return ranging from highs of 67.86 percent in 1926, 74.12 percent in 1927, 72.26 percent in 1928, and 63.88 percent in 1929 to a low of 12.86 percent in 1938.

The tabulation shows that the average invested capital increased from \$5,158,964 in 1919 to \$59,353,227 in 1938, an increase of \$54,194,263. The average invested capital shown in the tabulations for each year represents the total investment consisting of common stock, earned surplus, and surplus reserves. The increase in average invested capital during the period is accounted for principally by increases of \$30,737,215 in earned surplus and \$19,825,000 in outstanding stock. This stock, together with \$650,000 in cash, was issued in 1934 in payment for sulfur properties and contract rights acquired under an agreement with Delaware Gulf Oil Co.

The following summarizes the income and expenses, dividend payments, and surplus of Texas Gulf Sulphur Co. during the period under review:

	Total for years 1919-38	Annual average,	Percent- age of sales
Net sales	\$297, 051, 729	\$14, 852, 586	100.00
	131, 445, 993	6, 572, 299	44.25
Net profit from sales	165, 605, 736	8, 280, 287	55. 75
Miscellaneous income	3, 426, 266	171, 313	1. 15
Net income before Federal taxes. Provision for Federal taxes.	169, 032, 002	8, 451, 600	56. 90
	13, 209, 359	660, 468	4. 45
Net income Dividend payments	155, 822, 643 124, 117, 500	7, 791, 132	52. 45
Surplus Dec. 31, 1938	31, 705, 143		

As indicated above, costs and expenses average 44.25 cents out of every dollar of sales, net profits from sales averaged 55.75 cents per dollar of sales, and net income averaged 52.45 cents per dollar of sales. Stated in another way, the average net profit from sales was 126 percent of costs and expenses, and the average net income was 119 percent of costs and expenses. The only other large company, Freeport Sulphur Co., was organized in 1913 as Freeport Texas Co., the name of which was changed to the present title in 1936. In addition to its sulfur operations, the company in 1931 acquired control of Cuban-American Mangagese

Corporation, which is engaged in the production of manganese from properties located near Santiago, Cuba. The following tabulation summarizes the investments, profits, and rates of return for the company and its subsidiaries for each of the years 1919 to 1938, inclusive:

Year	Average invested capital ¹	Profit ³	Rate of return on in- vest- ment	Year	Average invested capital	Profit 2	Rate of return on in- vest- ment
1919 1920 1921 1922 1923 1924 1925 1926 1927 1927 1928	\$9, 631, 671 8, 406, 008 8, 466, 241 10, 004, 790 12, 174, 607 12, 277, 902 11, 772, 321 12, 566, 491 13, 829, 505 13, 318, 223 11, 621, 350	\$1, 184, 623 981, 884 3 181, 407 3 115, 653 1, 013, 225 162, 465 891, 172 1, 919, 552 4, 061, 381 3, 645, 047 4 5,080,777	Percent 12.30 11.68 2.14 11.16 8.32 1.32 7.57 15.28 29.37 27.37 4.43.72	1930 1931 1932 1933 1934 1935 1936 1937 1938 Annual average.	10, 453, 528 10, 634, 791 11, 452, 762 13, 837, 058 15, 465, 861 15, 635, 913 16, 587, 844 17, 756, 282 17, 974, 093	3, 456, 569 2, 635, 343 2, 443, 098 2, 773, 840 1, 625, 089 1, 642, 108 2, 487, 969 1, 677, 630 2, 014, 120	Percent 33.07 24.78 21.33 20.05 10.51 10.50 15.00 16.32 9.33

¹ Average of total investment at beginning and end of year, consisting of common and preferred stocks surplus, and surplus reserves.

Before deducting provisions for Federal income and profits taxes.

Denotes loss. 4 13 months.

The tabulation shows that during the 20 years 1919-38 the company earned average rate of return of 15.87 percent on the investment. The operations of the company were profitable in all years except 1921 and 1922 when losses were sustained equivalent to 2.14 percent and 1.16 percent, respectively, on the investment. During the years 1927-31 large profits were earned equivalent to 29.37 percent on the investment in 1927; 27.37 percent in 1928; 43.72 percent in 1929 (13 months); 33.07 percent in 1930; and 24.78 percent in 1931. Thereafter the rates of return declined to 10.50 percent in 1935, then increased to 16.32 percent in 1937 and again declined to 9.33 percent in 1938.

A summary of the income and expenses, dividend payments, and surplus of Freeport Sulphur Co. follows:

	Total for years 1919-38	Annual aver- age	Percentage of sales
Net sales Costs and expenses	\$174, 546, 023 135, 351, 195	\$8, 727, 301 6, 767, 560	100. 00 77. 54
Net profit from sales Miscellaneous income	39, 194, 828 1, 087, 576	1, 959, 741 54, 379	22. 46 . 62
Net Income before Federal taxes Provision for Federal taxes	40, 282, 404 4, 452, 254	2, 014, 120 222, 613	23. 08 2. 55
Net income Surplus beginning of period	35, 830, 150 7, 663, 780	1, 791, 507	20, 53
Total	43, 493, 930 28, 147, 584		
Other net deductions from surplus	8, 081, 559		
Total	7, 264, 787		************

Unlike Texas Gulf Sulphur Co., the costs and expenses for Freeport Sulphur Co. contain large amounts for royalties under sulfur leases. In connection with the two properties from which sulfur is now produced, Freeport Sulphur Co. paid royalties to the Texas Co. during the years 1924-38 of \$29,046,250 relating to the Hoskins Mound property in Texas, and paid royalties to Gulf Refining Co. of Louisiana, Shell Petroleum Corporation, and Humble Oil & Refining Co. during the years 1934-38 aggregating \$4,144,979 relating to the lease of properties at Grand Ecaille in Louisiana. These latter payments were in addition to a cash consideration aggregating \$500,000 for this lease.

CEMENT INDUSTRY

The report on "Investments, Profits, and Rates of Return for Cement Companies" deals with the operating results of a representative group of 18 cement companies which had 59 percent of the cement-producing capacity of the country in 1938. Seven of the larger companies account for approximately 45 percent of the total capacity of the industry. This concentration has come about through consolidations, mergers, and acquisitions of competing companies. The 18 companies are as follows:

Aetna Portland Cement Co. Alpha Portland Cement Co. Great Lakes Portland Cement Co. Huron Portland Cement Co. Ideal Portland Cement Co. Lawrence Portland Cement Co. Lehigh Portland Cement Co. Lone Star Cement Corporation. Marquette Cement Manufacturing Co. Medusa Portland Cement Co. Missouri Portland Cement Co. Nazareth Cement Co. North American Cement Co. Oregon Portland Cement Co. Pennsylvania-Dixie Cement Corporation. Riverside Cement Co. Superior Portland Cement, Inc. Universal-Atlas Cement Co.

All of these companies or their subsidiaries, and other members of the Cement Institute, were charged with certain monopolistic practices by the Federal Trade Commission in a complaint served July 2, 1937. The Commission's complaint charges, in part:

For more than 8 years past, respondents have maintained and now have in effect a combination among themselves to hinder, lessen, restrict, and restrain competition in prcie, among producing respondents in the course of their

aforesaid commerce among the States

In the past certain trade practices in the industry have also been the subject of investigation by the Federal Trade Commission which are set forth in two reports; namely, Price Bases Inquiry, the Basing-Point Formula and Cement Prices, 1932; and Cement Industry, 1933. These reports deal largely with cement prices including uniformity and inflexibility of delivered prices and pricing policies.

The financial information which is the basis for the present study was obtained from the files of the Income Tax Unit of the Bureau of Internal Revenue, except in some instances when published reports were used, largely because of the inability to obtain information on a consolidated basis from the tax returns of some of the companies and their subsidiaries in the later years. Since the information was obtained primarily from tax returns, the operating results for the individual companies are presented in such a manner as to avoid disclosure of identity in view of the regulations of the Treasury Department governing the publicity of

tax returns.

Rates of return on invested capital have been computed for each of the years 1917-36, on two bases; namely, the stockholders' investment and the common stockholders' equity after deducting appreciation. The combined stockholders' investments of all companies as a group increased each year from \$104,608,687 in 1917 to \$269,996,548 in 1929. Thereafter the trend was downward to \$170,471,267 in 1936. The annual average was \$188,407,014. The trend in common stockholders' equity followed that for the stockholders' investment, the annual average being \$154,712,804. The amounts of investments on which rates of return were computed are the average of the investments at the beginning and end of each year for each company. The amount of appreciation which was eliminated in arriving at investment ranged in the aggregate from \$12,734,344 in 1917 to \$52,401,690 in 1929, and to \$49,989,789 in 1936.

The profits used in computing rates of return represent the taxable net income as finally determined by the Bureau of Internal Revenue in all cases where tax returns were used. In those instances where the basic information was obtained from published reports, the net income as reported by the companies in such

reports, before provisions for Federal taxes, was used.

Rates of return on the investments of all companies combined, for which information is available, are presented for each of the years 1917-36, in the following tabulation:

Year	Number of com- panies	Rate of return on the stock- holders' in- vestment	Rate of return on the com- mon stock- holders' equity	Year	Number of com- panies	Rate of return on the stock- holders' in- vestment	Rate of return on the com- mon stock- holders' equity
1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927	28 28 28 24 24 24 25 25 26 21 22	Percent 14. 35 9. 47 12. 66 12. 86 7. 66 14. 22 25. 04 21. 82 20. 38 16. 66 13. 14	Percent 15. 76 10. 00 13. 52 13. 41 7. 74 15. 12 27. 08 23. 22 22. 10 18. 74 14. 53	1928	22 19 18 18 18 18 18 18	Percent 11. 94 10. 24 9. 04 1 2. 36 1 8. 04 1 3. 30 2. 53 .07 11. 05	Percent 12. 93 11. 42 10. 32 14. 65 112. 44 15. 45 2. 21 1. 70 12. 99

¹ Indicates loss.

As shown above, the average annual returns earned by the companies as a group were approximately 10 percent on the stockholders' investment and 11 percent on the common stockholders' equity during the 20-year period. Except for the depression years when losses were sustained, which reduced the averages

for the period, high returns were earned in most years.

Prior to 1931, the first year in which losses were sustained, the average return on the stockholders' investment during the years under review was 14.32 percent as compared with a loss of 0.27 percent for the later years. Likewise, during the years 1917–30, the average return on the common stockholders' equity for the companies as a group was 15.72 percent as compared with a loss of 1.47 percent for the years 1931–36. The slightly higher average returns on the common stockholders' equity than on the stockholders' investment are accounted for by the fact that the margin of capital represented by preferred stock produced earnings in excess of the dividends paid or accrued thereon. It was not practicable to compute rates of return on the total investment including long-term debt because of the inability to segregate interest charges on such debt from total charges for all interest payments reported on tax returns. However, it appears that the proportion of long-term debt to the total capitalization was not large so that the average return on the total investment would not be materially lower than the average return on the stockholders' investment.

It will be noted in the preceding tabulation that the number of companies for which returns were computed range in number from 28 in 1917 down to 18 in 1936. The larger number of companies in the earlier years included those acquired by merger or consolidation during the 1920's by a number of the 18 companies. However, in the following tabulation, all such predecessor companies have been grouped according to their present affiliation in order to show comparative returns for each company and its predecessors throughout the 20-year period under review. The average returns earned during the period by each company and its predecessors, designated by number, in order to avoid disclosure of identity,

are as follows:

Average annual rate of return during 20-year period 1917-36

Company No.	On stock- holders' invest- ment	On com- mon stock- holders' equity	Company No.	On stock- holders' invest- ment	On com- mon stock- holders' equity
1	Percent 6.81 (1) 14. 98 7.80 9.02 15.63 22.67 10.82 4.56	Percent 6. 81 (1) 24. 15 7. 80 (2) (2) (2) 22. 67 11. 35 4. 56	11 12 13 14 15 16 17 17 18	Percent 5. 88 12. 07 15. 02 13. 23 7. 79 7. 22 8. 74 15. 21	Percent 6, 55 12, 07 31, 03 13, 51 7, 87 7, 25 9, 12 15, 98
10	7. 28	7. 55	A verage	9. 99	11.

Omitted to avoid disclosure of identity since company No. 2 was not in operation during all of the years 1917-36. However, the results of its operations are reflected in the annual averages for the 18 companies. Not available.

The tabulation shows that on the average substantial returns were earned by each of the 17 companies and their predecessors, despite losses sustained during the depression years. On the basis of stockholders' investment, the lowest average return earned by any company during the 20-year period was 4.56 percent and the highest return was 22.67 percent. The next highest returns were earned by four other companies averaging approximately 15 percent per annum; four earned from 9 to over 14 percent; and seven earned from nearly 6 to 834 percent. As a group all companies earned an average return of about 10 percent. On the basis of common stockholders' equity the respective returns were higher, averaging just over 11 percent.

While the returns of the respective companies and their predecessors indicate substantial variation, the returns are quite comparable when the companies are grouped by size. On the basis of plant capacity, the 18 companies represented 59 percent for the industry in 1938. Each of 3 of the 18 companies represented over 5 percent of the total capacity for the industry; 4 represented from 3 to 5 percent each; 6 represented from 1 to 3 percent each; and 5 represented under 1 percent each. According to this grouping, the 2 groups of medium-sized companies earned higher average returns than either of the other 2 groups, followed by the group of largest companies. The average returns earned by each

group during the 20-year period, 1917-36, are as follows:

Average annual rates of return, 1917-36

	On stock- holders' invest- nient	On com- mon stock- holders' equity
Group 1. 3 companies each with over 5 percent of total plant capacity. Group 2. 4 companies each with from 3 to 5 percent of total plant capacity. Group 3. 6 companies each with from 1 to 3 percent of total plant capacity. Group 4. 5 companies each with under 1 percent of total plant capacity.	Percent 9.71 10.65 10.43 8.26	Percent 10. 19 12. 57 12. 53 8. 73
All groups with 59 percent of total plant capacity in 1938	9. 99	11.04

RAYON INDUSTRY

The report on investments, profits, and rates of return for rayon companies deals with the operating results of eight of the principal rayon companies, their position in the industry, the tremendous growth in the use of the product, and the price trends of this and competitive yarns. The eight companies are as follows:

American Viscose Corporation.
E. I. du Pont de Nemours & Co. (Rayon department). Celanese Corporation of America.
Industrial Rayon Corporation.
The American Enka Corporation.
North American Rayon Corporation.
Tubize-Chatillon Corporation.
American Bemberg Corporation.

American Viscose Corporation, the largest producer in the industry, had a monopoly of the rayon business in this country prior to 1920 through control of patents on manufacturing processes. After the expiration of these patents other companies entered this field so that in 1938 there were 29 rayon yarn and staple fiber producers. However, these eight companies were the principal producers.

fiber producers. However, these eight companies were the principal producers. There has been a remarkable growth in the production of rayon yarn and staple fiber. The last year that American Viscose Corporation was the sole producer was 1919 when over 8,000,000 pounds were produced. Thereafter, the domestic production increased rather consistently to 342,000,000 pounds in 1937 and decreased to about 288,000,000 pounds in 1938. Although other companies entering the field have accounted for a substantial portion of the increase, American Viscose Corporation remained the principal producer. Its proportion of the total had decreased from time to time to 30 percent of the domestic productor in 1938.

In 1938 the eight companies under study produced 91 percent of the total United States production of rayon yarn and staple fiber by all processes. Three of the

largest companies accounted for 67 percent of the total. The following tabulation shows the proportions of the annual domestic production since 1919 of each of the three largest companies and of the five smaller companies as a group. Prior to 1920 American Viscose Corporation accounted for all of the production.

Proportion of the total United States production of rayon yarn and staple fiber by all processes accounted for by each of the 3 large companies and by 5 smaller companies combined, from 1920 to 1938, inclusive

Year	Number of companies	American Viscose Corpo- ration 1	E. I. du Pont de Nemours & Co.	Celanese Corpo- ration of America	5 smaller companies combined 2	Combined percentage of total United States production
1920	1	Percent 99	Percent	Percent	Percent	Percent 99
1921	45556677798888888888888888888888888888888	992 822 78 73 68 59 54 56 52 42 42 43 33 34 33 33 32 30	2 6 8 10 13 17 20 19 21 17 16 16 20 20 21 22 22	1 1 3 3 4 5 6 7 10 11 14 14 14	4 12 13 17 16 16 16 14 17 26 28 29 25 27 23 23 20 24	98 100 99 100 98 93 93 92 94 90 86 86 92 92 91 88

¹ Prior to 1920, American Viscose Corporation produced 100 percent of the total domestic production, ² 5 companies combined include Industrial Rayon Corporation, 1922–38; the American Enka Corporation, 1929–38; North American Rayon Corporation, 1929–38; American Bemberg Corporation, 1927–38; and Tubize-Chatillon Corporation, 1930–38; together with the latter company's predecessors, namely, Tubize Artificial Silk Co. and American Chatillon Corporation from 1921 to 1929, inclusive.

Rayon is a synthetic textile fiber, that for many years was referred to as artificial silk, and whose basic raw material is cellulose. The principal commercial sources of cellulose are spruce, western hemlock and cotton linters, although it may be obtained from many other less economical sources. Rayon is produced by chemical and mechanical processes which first make a fine filament that is spun into yarns suitable for weaving into many kinds of fabrics. For many years, rayon was primarily a substitute for silk but recently a staple fiber has been developed which can be used in woven and knit goods similar to wool in heavier fabrics.

Experiments were first made as early as 1735 to manufacture a textile fiber but it was not until about 1890 that successful processes were developed. The nitrocellulose and cuprammonium process were perfected first and soon thereafter the viscose process was discovered. The latter process became the most widely used. Another process, namely, the acetate process, was not discovered until the time of the World War, but in recent years the production of rayon by this process has become increasingly important.

The following tabulation indicates the tremendous growth in the industry and shows that the domestic production of rayon yarn and staple fiber combined increased from 363,000 pounds in 1911 to 287,749,000 pounds in 1938. Production in 1936 and 1937 exceeded the production for the year 1938.

United States production of rayon yarn and staple fiber, 1911-38 (units are thousands of pounds)

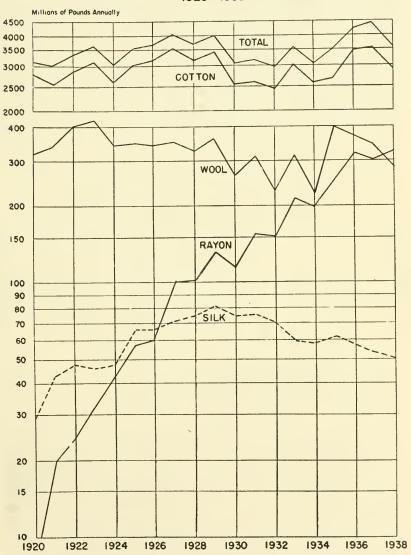
Year	Viscose, cuprammo- nium and nitrocellu- lose yarns ²	Acetate yarn	Total rayon yarn	Staple fiber	Total rayon yarn and stable fiber
1911	363		363		363
1912	1, 111		1, 111		1, 111
1913	1,816		1, 816		1,816
1914	2, 422		2, 422		2, 422
1915	3, 885		3, 885		3, 885
1916	5,778		5, 778		5,778
1917			6, 544		6, 544
1918			5, 846		5, 846
1919	8, 228	50	8, 278		8, 278
1920		120	10, 125		10, 125
1921	14, 866	120	14, 986		14, 986
1922		120	24, 067		24,067
1923		120	34, 959		34, 959
1924		120	36, 328		36, 328
1925		1,620	51, 049		51,049
1926		2, 620	62, 693		62, 693
1927		5, 147	75, 555		75, 555
1928	91, 232	6,000	97, 232	165	97, 397
1929	112, 954	8, 445	121, 399	500	121, 899
1930	117, 543	9, 790	127, 333	350	127, 683
1931	135, 249	15, 630	150, 879	880	151, 759
1932	116, 379	18, 291	134, 670	1, 100	135, 770
1933	172, 402	41, 09€	213, 498	2, 100	215, 598
1934	170, 307	38, 014	208, 321	2, 200	210, 521
1935	202, 010	55, 547	257, 557	4, 600	262, 157
1936	214, 926	62, 712	277, 638	12, 300	289, 938
1937	239, 316	82, 365	321, 681	20, 244	341, 925
1938	181, 795	76, 121	257, 916	29, 833	287, 749
		,		_0, 700	

Source: Textile Economics Bureau, Inc., Rayon Organon. ² Production of nitrocellulose yarn was discontinued in 1934.

In 1938 acetate yarn accounted for 29.5 percent of the total domestic rayon yarn, but accounted for a lesser proportion of the world production. Rayon yarn produced by this process has accounted for a larger proportion of the total each year. The production of rayon staple fiber has not been as extensively developed in this country as in other countries, particularly Italy, Germany and Japan. In 1930 the world production of rayon yarn amounted to 451,000,000 pounds and the rayon staple fiber amounted to 6,000,000 pounds, whereas in 1937 the world rayon-yarn production was 1,205,000,000 pounds as compared to 618,000,000 pounds of rayon staple fiber. In 1938 the world production of staple fiber practically equaled the yarn production, as estimated figures give the world production of rayon yarn as 975,000,000 pounds and of rayon staple fiber as 925,000,000 pounds. This compares with the domestic production of rayon yard of 258,000,000 pounds and of rayon staple fiber of 30,000,000 pounds. Thus, it is evident that rayon staple fiber, which to some extent is a substitute for cotton and wool, is used more widely in other countries than in the United The domestic production of staple fiber does not equal the consumption although there has been a continuous increase in the domestic production. For instance, in 1938 the domestic production increased nearly 50 percent over 1937, whereas imports increased only about 15 percent. In 1938 the imports of rayon staple fiber amounted to about 24,000,000 pounds as compared to 30,000,000

pounds of domestic production. The remarkable growth of the domestic use of rayon as compared to other textiles is illustrated heretofore in the production data and is also forcefully portrayed in the following chart, showing the quantities consumed of rayon yarn and competing yarns. In recent years there have been relatively small amounts of rayon yarn exported or imported, except there have been some imports of staple fiber. Thus, the relative quantities of domestic production and consumption in the aggregate are not greatly different. However, sometimes there were rather large differences between the annual amounts produced and the amounts consumed, for the reason that in certain years the anticipated demand did not materialize and part of the production was carried over to the next year. The following chart shows the pounds consumed domestically of cotton, wool, rayon, and silk, from 1920 to 1938, inclusive.

Chart UNITED STATES CONSUMPTION OF COTTON, WOOL, RAYON AND SILK FIBERS 1920-1938



It is of interest to correlate the consumption of rayon, shown in the foregoing chart, and the production of rayon, shown heretofore, with the price of rayon The trend of the price of rayon yarn definitely reflects the influence of the earlier monopolistic position of American Viscose Corporation and the later competitive conditions in the industry. Prior to 1920, there were only moderate increases in production which never exceeded 10,000,000 pounds annually. ing the period from 1911 to February 1920, the list price of rayon yarn, 150 denier, increased from \$1.85 to \$6 per pound. From February 1920 to October 1920, the list price dropped from \$6 to \$2.55 and from 1921 to 1932, inclusive, ranged downward from \$2.80 to 55 cents. From 1933 to 1938, inclusive, the list price ranged from 49 cents to 65 cents per pound. After 1920, the growth in production of rayon was sensational, increasing from 10,125,000 pounds in 1920 to 341,-925,000 pounds in 1937. There was a considerable decline in 1938 production but there was an increase in consumption over 1937.

It is also of interest to compare the wholesale prices of cotton, wool, silk, and rayon yarns. It will be noted from the following tabulation that the trends of prices of rayon and silk were quite comparable and even cotton followed somewhat the same trend. The following tabulation is copied from page 26 of a report on Development and Use of Rayon and Other Synthetic Fibers by Bureau of

Agricultural Economics.

Prices and index numbers 1 of cotton, wool, silk, and rayon yarns, United States, 1921 to 1937

Calendar year	Co	tton 2	. 7	Vool 3	. 8	Silk 4	Rayon *	
	Price	Index	Price	Index	Price	Index	Price	Index
	Dollars		Dollars		Dollars		Dellana	
		Donnerd		Descend		Donound	Dollars	D
921	per pound 0, 66	Percent 90	per pound 1.18	Percent 69	per pound 6, 57	Percent 92	per pound	Percent
922	.72	90	1. 18	82	7, 65	107	2. 67 2. 80	11
923	1 .77	106	1.73	101	8.65			12 12
924	.72	99	1.73	99	6. 25	121 87	2. 80	17
925	.70	96	1. 72	100	6. 57	92	2. 11	3
926	.58	79	1. 72	84	6. 19	92 86	2,00	
927	55	75	1.37	80	5. 44	76	1. 81	
928	.54	74	1.55	91	5, 07	71	1. 49	
929	.54	74	1. 33	87	4, 93	69	1. 24	
930	47	64	1. 24	72		48		1
931	37	51	1.00	58	3. 42 2. 40	34	1.05	:
932	31	42	.84	49		22		3
933	.41	56	1.08	63	1. 56 1. 61	22	. 64	
934	.46	63	1. 25	73	1.30	18		
935	.45	62	1. 23	66	1.63	23	. 59	
936	.42	58	1.13	77	1. 77	25	. 57	
937	.44	60	1.31	81	1.86	25 26	. 59	

Source: Bureau of Agricultural Economics. Prices are Bureau of Labor Statistics wholesale prices except cotton-yarn prices.

American Viscose Corporation or its predecessor company, was originally formed in 1909, by Courtauld's, Ltd., and has since been controlled by that firm. to 1915, it used patented processes owned by Courtauld's, Ltd., and paid royalties for their use but in 1915, those patents were acquired outright for \$5,000,000. American Viscose Corporation is engaged almost solely in the production of rayon yarns and staple fiber by the viscose and acetate processes. Prior to 1920, this company had a monopoly in this country in the production of rayon yarn. This company is still the largest producer but now accounts for only about 30 percent of the total.

E. I. du Pont de Nemours & Co. is the second largest producer of rayon yarn. Its rayon business, however, is only a small portion of its total business. tory of this company's business extends back to 1802 but its rayon business was not started until 1920. This company produces rayon yarn and staple fiber by the viscose and acetate processes. From 1926 to 1933, inclusive, this company was the only domestic producer of staple fiber. It has recently completed a plant for the production of "Nylon" yarn, an extremely tough synthetic material, that

Base is the average of the 3 years 1923, 1924, and 1925.
 Average midmonth contract prices of 40's single combed peeler yarn, New York.
 Worsted yarn, 32's white, crossbred stock, factory.
 Japanese silk yarn, 78 percent, crack, xx, 13/15 denier, white, New York.

A grade, 150 denier, continuous filament rayon, first quality, New York.

has many uses, such as for hosiery, sheets, and other fabrics, for which rayon yarn

is not adaptable.

Celanese Corporation of America was incorporated in 1918 but was not very active in this field until 1925 and has since become the third largest producer. This company makes rayon yarn and staple fiber by the acetate process and claims to have recently developed a new yarn, four or five times as strong as rayon for

use in hosiery and tire fabrics.

The profitableness of the rayon producers, expressed in rates of return on investments, are presented for all eight companies under review, individually and as a group, from 1915 to 1938, inclusive, on two bases; namely, total investment and stockholders' investment, before deducting provisions for Federal income taxes from earnings. The total investment consists of long-term borrowings, stocks outstanding, surplus, and surplus reserves. The stockholders' investment included all these items except long-term borrowings. Inasmuch as some of these rayon companies had only small bond issues or other long-term debt, the total investment is only slightly greater than the stockholders' investment and the rates of return are only slightly higher on the stockholders' investment.

Since American Viscose Corporation was the only domestic producer prior to

Since American Viscose Corporation was the only domestic producer prior to 1920 by reason of its patent monopoly, it is the only company for which rates of return are presented prior to that time. Following that time, rates of return are presented for other companies as they entered the business. The following tabulation gives the rates of return on the basis of total investment and stockholders' investment for the companies as a group in all years for which the information

was available during 1915-1938:

		Rates of r	eturn on			Rates of return on—		
Year Sympletry of companies		of com- Stock- Year		Number of com- panies	Total investment	Stock- holders' invest- ment		
1915	1 1 1 1 1 2 2 2 2 2 3 4 4	Percent 26. 32 109. 19 95. 96 69. 49 97. 02 64. 21 41. 99 50. 12 43. 15 26. 73 30. 60 20. 14 25. 76	Percent \$26, 32 109, 19 95, 96 69, 49 97, 02 64, 21 41, 99 50, 12 43, 15 26, 73 31, 00 20, 46 26, 07	1928 1929 1930 1931 1931 1932 1933 1934 1935 1936 1937 1938	5 6 7 7 7 7 3 8 8 8 8 8	Percent 24, 49 18, 05 4, 96 3, 35 1, 47 12, 16 6, 88 6, 74 11, 47 12, 14 2, 52 13, 99	Percent 24. 57 18. 97 4. 96 3. 35 1. 46 12. 21 6. 91 11. 65 12. 31 2. 44	

The tabulation shows that all eight companies as a group earned profits equivalent to approximately 14 percent on each basis of investment during the 24-year period. Exceptionally high rates of return were earned from 1916 to 1920, inclusive, ranging from 64.21 to 109.19 percent on the total investment and the same on the stockholders' investment. During the period from 1921 to 1929, inclusive, they ranged from 18.05 percent to 50.12 percent on the total investment. The returns decreased to 4.96 percent in 1930 and continued to decline to 1.47 percent in 1932. They recovered sharply in 1933 when 12.16 percent was earned on the total investment. During the next 2 years the returns were 6.88 percent and 6.74 percent of the total investment, while during 1936 and 1937 they were 11.47 percent and 12.14 percent, respectively. During 1938, profits were much lower, amounting to 2.52 percent on the total investment and 2.44 percent on the stockholders' investment.

The annual and average returns earned by each company during the years 1915-38 are given in the two tabulations which follow. These tabulations show that the average returns earned by each of the three largest companies were higher than for any of the other eight companies, and the returns for American Viscose Corporation, the largest company, were considerably higher than for any of the other companies. On each baris of investment the average profits of American Viscose Corporation were euqivalent to 21.27 percent. This high average return is attributable to the phenomenal profits earned during the earlier years when the company held the patent monopoly. The next largest two companies, the du

Pont Co. and Celanese Corporation of America, followed in the order of high returns. The average return earned by the rayon department of the du Pont Co. was 11.52 percent on each basis of investment, and the average return earned by the Celanese Corporation of America was 9.75 percent on the total investment and 10.19 percent on the stockholders' investment. Good returns were earned by each of the other companies except American Bemberg Corporation, the smallest company. Its average return was only moderate being slightly over

3 percent on each basis of investment.

However, this is not to say that the smaller companies were the least profitable under normal competitive conditions. Most of the smaller companies had higher rates of return during 1936, 1937, and 1938 than did the larger companies; and the smallest company had the highest rates of return of any of the companies in 1937 and 1938. In those years its returns were over 29 and 18 percent, respectively, on each basis of investment. The tables show that the returns for the respective companies during recent years were completely contradictory to the annual averages. An impelling factor for the higher average returns for the larger companies was the larger profits earned during the earlier years when they had the field to themselves.

Annual rate of return on total investment for principal rayon companies, 1915-38

Year	American Viscose Corporation	Rayon depart- ment of E. I. du Pont de Nemours & Co.	Cela- nese Corpor- ation of America	Indus- trial Rayon Corpor- ation	The Amer- ican Enka Corpor- ation	North Amer- ican Rayon Corpor- ation	Tubize- Cha- tillon Corpor- ation	American Bemberg Corporation	Average for group
1915	Percent 26. 32	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent 26, 32
1916	109. 19								109.19
1917	95, 96								95. 96
1918	69.49								69.49
1919	97.02								97.02
1920	64. 21								64, 21
1921	44.62	1 2.13							41.99
1922	51.16	34. 11							50. 12 43. 15
1923 1924	43. 47 26. 63	38. 91 27. 88							26, 73
1925	32, 39	34, 19	1. 15						30, 60
1926	21. 75	15. 23	12.60	12. 80					20.14
1927	26, 19	27, 01	20. 76	25. 48					25, 76
1982	28. 79	26, 63	9.09	22. 03				8, 34	24, 49
1929	23, 43	19.04	9, 88	12.42		1 0.96		1.04	18.05
1930	8.07	1,90	5.98	13.38	1 4, 28	1.30		1 7. 25	4.96
1931	4.44	4.45	3.03	6.43	155	1.32		1 9.72	3.35
1923	2. 35	1. 21	3. 47	2.10	1, 29	1 3.50		1 10.43	1.47
1933	10.55	12, 65	20. 37	14.35	8. 86	12.58	4.73	14.64	12.16
1934	6.97	8. 58	10.91	9.33	1.84	5. 88	1. 27	1 9. 90	6. 88
1935	6. 53	5. 27	12.13	4. 25	5.03	10.06	5. 86	1 11.10	6. 74
1936	9. 67 10. 16	11.00 13.10	11.98 10.96	9. 66 1. 68	17.12 21.19	21. 75 24. 75	12. 27 16. 60	17. 27 ·29. 45	11. 47 12. 14
1937	10.16	4. 15	6,00	1. 68	8.46	4.48	3, 55	18. 44	2. 14 2. 52
1900	. 1.00	4.15	0.00	1.07	0.40	4. 40	3.00	10. 44	2.02
Average	21, 27	11, 52	9. 75	8. 37	6.31	7. 33	6.82	3. 15	13.99

¹ Denotes loss.

Annual rate of return on stockholders' investment for principal rayon companies, 1915-38

Year	Amer- ican Viscose Corpor- ation	Rayon depart- ment of E. I. du Pont de Nemours & Co.	Cela- nese Corpor- ation of America	Indus- trial Rayon Corpor- ation	The Amer- ican Enka Corpor- ation	North Amer- ican Rayon Corpor- ation	Tubize- Cha- tillon Corpor- ation	American Bemberg Corporation	Average for group
1915	Percent 26.32	Percent	Percent		Percent	Percent	Percent	Percent	Percent 26, 32
1916	109, 19								109, 19
1917	95, 96								95, 96
1918	69, 49								69.49
1919	97.02								97.02
1920	64. 21								64. 21
1921	44.62								41.99
1922	51. 16	34. 11							50.12
1923	43.47	38. 91							43. 15
1924	26. 63	27. 88							26.73 31.00
1925	32. 39	34. 19	0.36	18, 47					20, 46
1926 1927	21, 75 26, 19	15. 23 27. 01	13. 68 22. 11	33, 81					26, 46
1928	28. 79	26, 63	9, 09	23, 43					24. 57
1929	23. 43	19.04	9. 88	12.61		10.96		1, 25	18. 07
1930	8, 07	1, 90	5. 98	13. 56	1 4, 28	1.30		1 7, 42	4. 96
1931	4. 44	4. 45	3, 03	6, 45	11.55	1, 32		1 9, 77	3.35
1932	2, 35	1. 21	3. 47	2.08	1 1, 29	1 3. 51		1 10. 49	1.46
1933	10. 55	12.65	20.37	14.41	8.86	12.58	4.36	14, 68	12. 21
1934	6. 97	8. 58	11.18	9.33	1.84	5, 88	1 1. 47	1 9, 96	6. 90
1935	6.53	5. 27	12.98	4. 25	5.03	10.07	6.10	1 11. 17	6, 80
1936	9.67	11.00	13.07	9.66	17.12	21. 76	12.75	17. 32	11.65
1937	10.16	13. 10	11.87	1.67	21. 19	24. 57	17. 08	29.84	12. 31
1938	1 1.66	4. 15	6. 63	1.16	8.46	4.48	3.02	18. 48	2, 44
Average	21. 27	11.52	10. 19	8. 55	6. 31	7.33	6.87	3.14	14.18

¹ Denotes loss.

The rank in size of the various companies under review has been indicated in terms of production. The following tabulation shows the position of each of the eight companies in terms of investment, and also shows the deviations of the relative proportions of their combined investments in 1938 from those based on the 1915–38 average.

Ratios of total investment

	Annual average 1915–38	Average 1938
Combined investments	\$206, 493, 948	\$298, 603, 637
American Viscose Corporation. Rayon department of E. I. du Pont de Nemours & Co. Celanese Corporation of America Industrial Rayon Corporation. The American Enka Corporation. North & merican Rayon Corporation. Tubize-Chatillon Corporation. American Bemberg Corporation.	Percent 41. 74 14. 63 15. 66 6. 51 7. 49 5. 74 5. 52 2. 71	Percent 38. 30 20. 65 18. 02 7. 90 5. 63 4. 09 3. 79 1. 62
Total	100.00	100.00

The investments shown above include quite large amounts that were not devoted directly to the rayon business with respect to American Viscose Corporation. This company reinvested a substantial proportion of its earnings from time to time in stocks and bonds of other companies and nontaxable Government securities and obligations, particularly the latter. These outside investments averaged \$41,738,385 for the years 1915-38 and \$42,078,381 in 1938. The return on such investments was much lower than the investment in the rayon business. This is indicated in the following tabulation which shows that the average return to the company on that portion of its capital devoted solely to the rayon business was 37.52 percent as compared with average earnings from all sources equivalent to 21.27 percent on the entire investment.

Rates of return

Year	On total investment in the rayon business		Year	On total invest- ment 1	On invest- ment in the rayon business
1915 1916 1917 1918 1919 1920 1920 1921 1922 1923 1921 1925	Percent 26, 32 109, 19 95, 96 69, 49 97, 02 64, 21 44, 62 51, 16 43, 47 26, 63 32, 39 21, 75	Percent 26, 32 109, 19 95, 96 100, 56 268, 96 156, 83 87, 16 97, 00 88, 13 54, 18 72, 64 46, 01	1928 1929 1930 1931 1931 1922 1933 1934 1935 1936 1937 1938	Percent 28. 79 23. 43 8. 07 4. 44 2. 35 10. 55 6. 97 6. 53 9. 67 10. 16 2 1. 66	Percent 59. 36 44. 55 10. 95 4. 83 1. 32 17. 01 10. 12 9. 22 14. 78 15. 36 2 4. 34
1927	26. 19	52. 82	Average	21. 27	37. 5

¹ Total investment and stockholders' investment are identical.

The table indicates strikingly the effects of competition on the operating results of American Viscose Corporation as other companies entered the business following the expiration of its patent monopoly. Prior to 1920 it was the sole producer and the entrance of other companies thereafter was gradual. This is reflected in exceptionally high net returns for the company during the earlier years and in lower returns in later years. This is emphasized in the following tabulation which summarizes the company's investments, profits, and rates of return, on the basis of its total investment and on the basis of its investment in the rayon business only, for the years 1915–20, 1921–29, and 1930–38:

American Viscose Corporation

	Based on total investment	Based on investment in rayon business only
Average annual investments:		
1915 to 1920	\$20, 516, 262	\$11, 886, 090
1921 to 1929	100, 845, 419	45, 580, 834
1930 to 1938	115, 341, 886	65, 057, 559
1915 to 1938.	86, 199, 305	44, 460, 920
A verage annual net profit:		
1915 to 1920	15, 919, 824	15, 479, 808
1921 to 1929	30, 940, 201	28, 633, 845
1930 to 1938	7, 328, 580	5, 534, 835
1915 to 1938	18, 330, 749	16, 683, 207
A verage annual rate of return:	Percent	Percent
1915 to 1920		130, 23
1921 to 1929	30, 68	62.82
1930 to 1938.	6.35	8. 51
1915 to 1938.	21. 27	37. 52

² Denotes loss.

During the 24-year period the net sales of American Viscose Corporation amounted to \$1,024,509,135, an annual average of \$42,687,881. In 1938 its sales amounted to \$42,074,969. The average of the annual net sales of the next largest company—du Pont—since its entry into the business in 1920 was a little less than half the average sales of the Viscose Corporation. However, its sales in 1938 more nearly approximated those of the Viscose Corporation, amounting to \$34,525,988. In that year the sales of the third largest outstanding company—Celanese Corporation of America—amounted to \$28,685,282.

The profitableness of the American Viscose Corporation to its organizers and owners is further emphasized in the following tabulation which summarizes the company's net sales, net profits after providing for the payment of Federal income and profits taxes, dividend payments, and surplus for the period 1915–38:

American Viscose Corporation

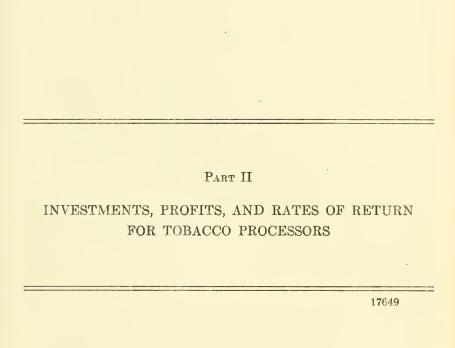
	1	1
	Total, 1915-38	Annual average
Net sales	\$1,024,509,135 354,455,728	\$42, 687, 881 14, 768, 989
Dividends paid: In cash on preferred stock In cash on common stock Stock dividends consisting of preferred stock issued to common stockholders later retired for cash.	13, 689, 696 182, 472, 299 40, 568, 456	570, 404 7, 603, 012 1, 690, 353
Total dividends	236, 730, 451	9, 863, 769
Net profit after dividends	117, 725, 277	4, 905, 220
Surplus transferred to surplus reserves. Surplus transferred to capital stock Amortization of goodwill Premium and dividends on stock repurchased. Other additions to surplus—net. Balance in surplus at the end of 1938	42, 000, 000 20, 914, 789 25, 682, 470 7, 029, 482 284, 798 22, 383, 334	
		1

In 1915, when the predecessor company of American Viscose Corporation was formed, the net worth of the assets of the original American Viscose Co. was \$3,632,082. This amount represents practically all the capital invested at that time or since by Courtaulds, Ltd., in American Viscose Corporation. At December 31, 1938, the invested capital consisting of common-stock holders' equity amounted to \$113,538,834. About 95 percent of the common stock is still retained by Courtaulds, Ltd. Practically all of the \$113,538,834 represents reinvested earnings, with the exception of the \$3,632,082 previously mentioned and it is very probable that a substantial portion of this amount consisted of reinvested earnings as the original company had been organized in 1909 and had been operating successfully. The invested capital at the end of 1938, amounting to \$113,538,834, consisted of \$49,155,500 of common stock, \$22,383,334 of surplus, and \$42,000,000 of surplus reserves. The latter amount includes reserve for fire insurance of \$25,000,000 and reserve for contingencies, etc., of \$17,000,000.

The preceding tabulation illustrates the source of the reinvested earnings classified as surplus and surplus reserves. Also from that tabulation it may be seen that \$25,682,470 was used to write off goodwill which originally had been reflected in the capital stock account and that \$20,914,789 of surplus was transferred to the capital stock account. These amounts plus the original \$3,632,082 more than account for the capital stock amounting to \$49,155,500; the difference may be accounted for by repurchases by the company of small amounts of capital stock for cash.

On the original investment of \$3,632,082, in 1915, the investors—primarily Courtaulds Ltd.—received \$236,730,451 of dividends in cash and in preferred, stock, later redeemed for cash, together with \$7,029,482 premium and accrued dividends on the stock redeemed, and they also retained an equity in the business valued at \$113,538,834 at the end of 1938.







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INVESTMENTS PROFITS, AND RATES OF RETURN FOR TOBACCO PROCESSORS

Introduction

This report deals with the investments, profits, and rates of return of the principal tobacco processors engaged in the manufacture and sale of tobacco products, such as eigarettes, eigars, smoking and chewing tobacco, and snuff. The companies concerned include the American Tobacco Co., Liggett & Myers Tobacco Co., R. J. Reynolds Tobacco Co., P. Lorillard Co., Brown & Williamson Tobacco Co., the Axton-Fisher Tobacco Co., American Snuff Co., George W. Helme Co., United States Tobacco Co., General Cigar Co., Inc., Porto Rican American Tobacco Co., Consolidated Cigar Corporation, and Bayuk Cigars, Inc.

The investments, profits, and rates of return are presented for these companies individually and by groups for all years during the period 1917–37, for which the information is available. Comparisons are made of the investments, sales, and operating results for all companies combined, and for individual companies functionally grouped according to (1) those who manufacture and sell on a large scale, eigarettes and other tobacco products, (2) those who are primarily eigar manufacturers, and (3) those who are primarily snuff manufacturers. The relative importance of the various companies is pointed out and the degree of concentration of the business indicated. Information concerning salaries and other compensation paid to officers of the larger companies is presented for the more recent years.

The financial information, which is the basis for the discussion of investments, profits, and rates of return, was obtained from certified written reports submitted by the companies in answer to questionnaires. Such information for the years 1917–28 and 1935–37 was obtained by questionnaire specifically for use in this inquiry, and the information for the intervening years was obtained from reports submitted by the companies in connection with the Federal Trade Commission's

agricultural income inquiry.

HISTORY AND BUSINESS OF THE AMERICAN TOBACCO Co.

The history of the American Tobacco Co. dates from 1890, when the company was organized as a consolidation of the five principal cigarette manufacturers who among them controlled approximately 90 percent of the country's cigarette

business.¹

According to the report of the Commissioner of Corporations on the tobacco industry, the American Tobacco Co., in 1891, extended its business along other lines by acquiring two important smoking tobacco concerns and by entering the plug and cheroot branches of the business. From 1894 to 1897, the company developed its plug tobacco business by methods which succeeded in forcing its leading competitors to combine their interests with those of American Tobacco Co. This resulted late in 1898 in the organization, substantially under its control, of the Continental Tobacco Co. This company took over the plug tobacco business of American Tobacco Co. and also that of several leading competitors, and shortly after its organization acquired Liggett & Myers Tobacco Co., the largest and most important plug tobacco concern of the country.

The Continental, by this and subsequent acquisitions, acquired substantial control of the plug-tobacco business of the country. The acquisition of Liggett & Myers Tobacco Co. brought into the combination another group of powerful

financial interests.

Shortly after the organization of Continental Tobacco Co., the combined interests obtained control of practically all of the leading snuff concerns of the country. This led to the formation of American Snuff Co. and placed the combination in a dominant position in the manufacture of all of the important kinds of tobacco except cigars. In 1900 the combination had 62 percent of the national

¹ Report of the Commissioner of Corporations on the Tobacco Industry, pt. III, p. 41.

output of plug tobacco and 59.2 percent of smoking tobacco, and in 1901, the first full year of American Snuff Co., it had 80.2 percent of the total output of snuff. Moreover the combination still retained an almost complete monopoly of the

cigarette business.2

The combination then turned its attention to the cigar business, at that time the most important of all the branches, but also the most difficult one in which to effect a combination. There were a very large number of small manufacturers and comparatively few large ones. Except for the cheaper type of cigars, machine production had been of little consequence. However, in 1901 the American Tobacco Co. entered extensively into the cigar business by organizing the American Cigar Co. The acquisition of competing cigar companies by the American Cigar Co. immediately made it the largest single manufacturer of cigars in the country, but it did not then possess and never succeeded in acquiring any large

proportion of the total cigar business of the United States.

The report of the Commissioner of Corporations on the tobacco industry also states that the power of the American Tobacco Co. and associated companies was further greatly increased by the organization in 1901 of the Consolidated Tobacco Co., a holding company. The Consolidated was the means of concentrating control within the combination. It acquired practically all of the common stock of the American and Continental companies in exchange for bonds. The report states that the organization of Consolidated Tebacco Co. was planned by leading interests in the American and Continental tobacco companies. stockholders of these companies were induced to exchange their common stock for bonds of the new company bearing a fixed rate of interest. The report further states that as a result the greatly increased profits in the business from the reduction in the internal-revenue tax soon afterward, which increase the stockholders generally could not foresee, accrued in large part to the advantage of the inside

interests as the chief holders of the Consolidated stock.

In 1904, the American, Continental, and Consolidated companies were merged into the present the American Tobacco Co., the central concern of the combinainto the present the American Tobacco Co., the central concern of the combination. The company formerly owned approximately two-thirds of the capital stock of the British-American Tobacco Co., Ltd. (the Imperial Tobacco Co. owning the other one-third); a majority of the stock of the American Cigar Co., the P. Lorillard Co., United Cigar Stores Co., the R. J. Reynolds Tobacco Co., the MacAndrews & Forbes Co., the Conley Foil Co., and a majority of the common stock (but not a majority of all voting stock) of the American Snuff Co. The American Tobacco. also owned in fee various plants and properties, which for the most part had been acquired from competitors, and controlled, directly or indirectly, a number of small concerns. Through the American Cigar Co. one-the company also controlled the entire capital stock of Federal Cigar Co. onethe company also controlled the entire capital stock of Federal Cigar Co., onethird of the stock of the Puerto Rican American Tobacco Co. (American Tobacco Co. also owning one-third), a majority of the common stock of Havana Tobacco Co. (now Cuban Tobacco Co., Inc.), and of American Stogey Co., and one-half the stock of Puerto Rican Leaf Tobacco Co.

In May 1911 the Supreme Court of the United States found the American Tobacco Co. to be a monopoly violating the provisions of the Sherman Anti-At that time the company produced from more than 76 to over 96 percent of the various tobacco products except large cigars, of which it produced nearly 14½ percent.³ In addition to monopoly in the manufacture of tobacco products, the company exercised control over other products such as licorice paste, used in chewing tobacco; and tinfoil, cotton smoking-tobacco bags, wooden

shipping boxes, tin, and pasteboard boxes and other containers.

A decree of dissolution handed down by the Circuit Court for the Southern District of New York in November 1911 provided that practically the entire business of the American Tobacco Co. and its subsidiary and affiliated companies, comprising the combination, should be divided among 14 separate companies. The apportionment of the assets and business among the 14 companies was devised with the express intention that no company should obtain a controlling position in any of the chief branches of the business. Stock ownership of the 14 companies was so arranged by the terms of the decree that none of the stock of any of the 14 corporations was to be owned by any other of the 14. companies, with the nature of the business of each, were as follows:

1. The American Tobacco Co.—General tobacco manufacturing business

(except snuff).

³ Report of the Commissioner of Corporations on the Tobacco Industry, pt. III, p. 41. ³ Report of the Commissioner of Corporations on the Tobacco Industry, pt. III, pp. 192, 221, 250, 295. 307, 322, and 352.

2. Liggett & Myers Tobacco Co.—General tobacco manufacturing business (except snuff).

3. P. Lorillard Co.—General tobacco manufacturing company (except snuff). 4. R. J. Reynolds Tobacco Co.—General tobacco manufacturing business (except snuff, cigars, and cigarettes).

5. American Snuff Co.—Snuff-manufacturing business. 6. George W. Helme Co.—Snuff-manufacturing business.

7. Weyman-Bruton Co. (now United States Tobacco Co.)—Snuff manufacturing business.

8. British-American Tobacco Co., Ltd.—General manufacturing business (foreign).

9. Porto Rican-American Tobacco Co.—Cigar manufacturing business (Porto Rican and foreign).

10. MacAndrews & Forbes Co.—Licorice-paste-manufacturing business.

10. MacAndrews & Forbes Co.—Licorice-paste-manufacturing business.
11. J. S. Young Co.—Licorice-paste-manufacturing business.
12. The Conley Foil Co.—Tinfoil manufacturing business.
13. The Johnston Tin Foil & Metal Co.—Tinfoil manufacturing business.
14. United Cigar Stores Co.—General retail tobacco business.
15. The businesses of R. J. Reynolds Tobacco Co., British-American Tobacco Co., Porto Rican-American Tobacco Co., and United Cigar Stores Co. remained intact, though their stocks, so far as held by American Tobacco Co., were distributed to the common stockholders of that company. This detached the companies from the corporate control of American Tobacco Co.

The business of American Snuff Co. was divided into three parts, and the

The business of American Snuff Co. was divided into three parts, and the ownership of the company was detached from the control of American Tobacco Co. American Snuff Co. retained a part of the business, while the rest was apportioned between the George W. Helme Co. and Weyman-Bruton Co. (now United States

Tobacco Co.), two new companies organized for this purpose.

The business of MacAndrews & Forbes Co., which had control of the licorice branch of the combination's business, was divided into two parts. One part was transferred to the J. S. Young Co., a new company organized for the purpose, and

the remainder was retained by MacAndrews & Forbes Co.

The business of the Conley Foil Co. was divided into two parts. One part was retained by that company and the rest was assigned to the Johnston Tin Foil & Metal Co., which previously had been a subsidiary of the Conley Foil Co.

The American Cigar Co., though not detached from the control of American Tobacco Co., was required to transfer part of its business to other defendant companies.

Practically all of the remainder of the assets of the combination that was applicable to the business of manufacturing tobacco for the domestic market, except for snuff, was divided between the American Tobacco Co., R. J. Reynolds Tobacco Co., Liggett & Myers Tobacco Co., and P. Lorillard Co. The last two companies were newly organized for the purpose.

The American Tobacco Co. formerly owned the entire capital of the Tin Decorating Co. of Baltimore, with a factory in that city manufacturing plain and lithographed containers, tags, etc., but the assets of this company were sold as of December 31, 1935. The company also owns the stock of the Golden Bel. Manufacturing Co. of Durham, N. C., manufacturers of cotton bags and pure silk hosiery. The company likewise owns a majority interest in the American Cigarette & Cigar Co. (formerly American Cigar Co.), which controls the Cuban

Tobacco Co., Inc.

On October 26, 1923, the Tobacco Products Corporation leased and licensed all of its brands of cigarettes and smoking tobacco to the American Tobacco Co. for a period of 99 years, commencing November 1, 1923, for which it was paid \$2,500,000 annually until January 31, 1935, when the lease was commutated and the American Tobacco Co. became the owner of the brands previously leased, for an outlay of \$36,748,873. At the time the lease was executed the American Tobacco Co. acquired all of the tangible manufacturing assets of the Tobacco Products Corporation, including leaf tobacco, machinery and plants, for an approximate sum of \$12,000,000. Tobacco Products Corporation had been organized in 1912 by United Cigar Stores interests to build up a large cigarette manufacturing business. According to the Federal Trade Commission's Agricultural Income Inquiry Report, Tobacco Products Corporation soon acquired a large part of the "independent" cigarette output through acquisitions of many tobacco-manufacturing concerns. The history of the corporation with

⁴ Pp. 274-275.

the United Cigar Stores was one of complicated financial manipulation. the leading brands acquired by American Tobacco Co. from the corporation were

Herbert Tareyton and Melachrino.

Effective January 1, 1932, the American Tobacco Co. leased the business of American Cigar Co. (the name was changed to American Cigarette & Cigar Co. in 1936), together with its plants and manufacturing facilities and real estate (except that located in Missouri and Connecticut) and its brands, trade-marks, etc., and purchased from American Cigar Co. all leaf tobacco, tobacco in process, manufactured tobacco, supplies, accounts receivable, treasury stock, and the investment of American Cigar Co. in Porto Rican Leaf Tobacco Co., and certain other assets, including real estate in Missouri. The term of the lease was 99 years, at an annual rental of \$1,800,000, plus insurance and taxes on the leased property. For its assets thus sold American Cigar Co. received 70,500 common shares and 129,500 common B shares of American Tobacco Co., and \$11,672 in cash. In addition, the American Tobacco Co. assumed debts of American Cigar Co. amounting to \$13,024,727.

At December 31, 1937, the American Tobacco Co. directly owned or controlled the following active subsidiaries:

3	
Name of company	Nature of business
American Cigarette & Cigar Co	Cigars and cigarettes.
Golden Belt Manufacturing Co	
The American Tobacco Co. of the Pacific Coast.	fic Distributors of tobaccos and cig- arettes.
The American Tobacco Co. of the Orien Inc.	nt, Buyers, handlers, and shippers of Turkish leaf tobacco.
American Suppliers, Inc	LL Buyers, handlers, and shippers of domestic leaf tobacco.
De Mauduit Paper Corporation	Importers and distributors of cig- arette papers.
The Hatheway-Steane Corporation	Growers, handlers, and shippers of domestic cigar leaf.
2 foreign subsidiaries 1	

1 The company considers the disclosure of the names of these foreign subsidiaries would be prejudicial to the interest of its stockholders and states that its investment in and advances to these subsidiaries are not considered to be of significant amount in relation to the consolidated balance sheet of the company and its subsidiaries. Likewise, that the operations of these foreign subsidiaries are not considered significant in relation to the consolidated income account of the company and its subsidiaries.

At December 31, 1937, the company's principal plants for the manufacture of cigarettes were located in Richmond, Va., and Reidsville and Durham, N. C. Plants for the manufacture of cigars were located in Charleston, S. C., Philadelphia, Pa., and Trenton, N. J. Plants for the manufacture of other tobacco products were located in Louisville, Ky., Nashville, Tenn.; Richmond, Va.; and Durham, N. C.

The company's principal brands include Lucky Strike, Sweet Caporal, Omar, Lord Salisbury, Melachrino, Herbert Tareyton, and Johnny Walker cigarettes; Blue Boar, Half and Half, Tuxedo, Bull Durham, Ivanhoe, Long Cut, Lucky Strike, U. S. Marine, and Old English Curve Cut smoking tobaccos; American Navy, Battle Ax, Boot Jack, Penn's Natural Leaf, Piper Heidsieck, Red J, Spear Head, Square Deal, and Town Talk, plug cut tobaccos; and Cremo, Antonic vi Chapatha, Chapatha,

nio y Cleopatra, Chancellor, and El Roi Tan cigars.

HISTORY AND BUSINESS OF OTHER IMPORTANT TOBACCO PROCESSORS

In addition to the American Tobacco Co., this report deals with 12 other important companies, of which 5 are engaged in the manufacture and sale of cigarattes and other tobacco products, 3 are snuff companies, and 4 are cigar companies. The 5 companies referred to include Liggett & Myers Tobacco Co., R. J. Reynolds Tobacco Co., P. Lorillard Co., Axton-Fisher Tobacco Co., and Brown & Williamson Tobacco Corporation. The 3 snuff companies include American Snuff Company, United States Tobacco Co., and George W. Helme Co. The 4 cigar manufacturers are Porto Rican American Tobacco Co., General Cigar Co., Inc., Consolidated Cigar Co., and Bayuk Cigars, Inc. From the standpoint of investments and sales, American Tobacco Co., Liggett & Myers Tobacco Co., and R. J. Reynolds Tobacco Co. are the largest of the companies included for

As previously explained, Liggett & Myers Tobacco Co. was organized in 1911 to acquire certain assets of the American Tobacco Co. as provided for by the court

decree ordering the segregation of the assets of the latter company. Liggett & decree ordering the segregation of the assets of the latter company. Liggett & Myers Tobacco Co. owns, directly or indirectly, plants for the manufacture of its tobacco products, located in Durham, N. C., Riehmond, Va., Chicago, Ill., Toledo, Ohio, and San Francisco, Calif. The brands manufactured include Chesterfield, Fatima, and Piedmont cigarettes, Dukes' Mixture, Velvet, and Granger smoking tobaccos, and Star, Horseshoe, Masterpiece, Drummond Natural Leaf, Tinsley's Natural Leaf, and Spark Plug chewing tobaccos.

R. J. Reynolds Tobacco Co. was organized in April 1899. It manufactures and sells cigarettes, smoking tobaccos, and chewing tobaccos. It was formerly a subsidiary of American Tobacco Co. but control was relinquished by the latter company under the court decree. In addition, the Reynolds Co. received certain assets of the combination to round out its business but no cigarette business.

assets of the combination to round out its business, but no cigarette business. assets of the combination to round out its business, but no eigarette business. However, in 1913 and 1914 it entered the eigarette business and introduced its immensely popular Camel eigarettes. Other tobacco brands manufactured by the company include Prince Albert, George Washington, Stud, and Our Advertiser smoking tobaccos, and Apple, Brown's Mule, Day's Work, Torchlight, Schnapps, Mickey, Reynold's Sun Cured, and Sweepstakes chewing tobaccos. The company's plants are located at Winston-Salem, N. C., Richmond, Danville, and South Boston, Va., and Louisville, Lexington, and Marysville, Ky.

The business of P. Lorillard Co. was established in 1760, but it was part of American Tobacco Co. at the time of the reorganization of that company under the

American Tobacco Co. at the time of the reorganization of that company under the court decree. However, under the decree, a new P. Lorillard Co. was organized to which was transferred certain assets of American Tobacco Co. The company manufactures cigarettes, cigars, and smoking and chewing tobacco at its various plants. Its principal brands include Old Gold, Sensation, Deities, Murad, Helmar, and Tally-ho cigarettes Union Leader, Brigg's Pipe Mixture, Friends, Ripple, Tiger, and Century smoking and fine cut tobaccos, Beech-Nut, Havana Ripple, Tiger, and Century smoking and line cut tobaccos, Beech-Aut, Havana Blossom, Bagpipe, Climax, and Planet chewing and plug tobaccos, VanBibber, Between the Acts, Lyceum, Royal Bengals, and LeRoy Majors little cigars, Muriel, Rocky Ford, New Currency, and Old Virginia Cheroots cigars. Its sales of cigarettes account for about one-half of its revenues.

The Axton-Fisher Tobacco Co., Inc., was incorporated March 1, 1928, in Kentucky and took over the assets and business of Axton-Fisher Tobacco Co.

which was organized in 1905, succeeding the Axton-Hilton Tobacco Co. During 1928, the company acquired all of the assets, except real estate, of Smith & Scott Tobacco Co. of Paducah, Ky. The company, in its plant at Louisville, Ky., manufactures various brands of pipe and chewing tobacco, among which are Old Hillside, Old Loyalty, White Mule, Booster, Axton Natural Leaf, 8 Hour, Wage Scale, and Hummer; also Clown, Spud, and Twenty Grand cigarettes. The company has had a rapid growth in recent years. It is controlled by the Standard

Commercial Tobacco Co., Inc.

Brown & Williamson Tobacco Corporation was incorporated March 16, 1927, in Delaware, and acquired by purchase certain assets and the brands and goodwill of an earlier company of that name which was dissolved. The present company was organized and is controlled by the British-American Tobacco Co., Ltd. Its growth since organization has been rapid. Its sales of eigarettes, like those of American Tobacco, Liggett & Myers, Reynolds, and Axton-Fisher account for the bulk of its revenues. Its leading cigarette brands include Raleigh, Wings,

and Kool.

American Snuff Co., was organized in March 1900 by the tobacco combination interests to acquire the business of manufacturing and selling snuff previously carried on by American Tobacco Co., Continental Tobacco Co., P. Lorillard Co., and certain other companies. This centered the combination's snuff business in American Snuff Co., which in 1901, the first full year of its operation, had about 80 percent of the country's output of snuff. As previously explained, the control of American Snuff Co., was detached from American Tobacco Co. under the court decree and part of its assets were transferred to two new companies organized for the purpose, namely, the George W. Helme Co. and Weyman-Bruton Co. The name of the latter company was changed to United States Tobacco Co. in 1922. At the present time the American Snuff Co., George W. Helme Co., and United States Tobacco Co., together account for nearly all of the country's output of The sole product of American Snuff Co. and George W. Helme Co. is snuff. In addition to snuff the United States Tobacco Co. manufactures smoking snuff. tobaccos.

Porto Rican American Tobacco Co. was organized in 1899 and was controlled by American Tobacco Co. up to the time of the segregation of the assets of the latter company in 1911 pursuant to the decree of dissolution. As previously stated, the stocks of Porto Rican American Tobacco Co. held by American Tobacco Co. were distributed pro rata to the holders of the common stock of the latter company as a result of the court decree. Porto Rican American Tobacco Co. sells cigars, cigarettes, and little cigars manufactured by a wholly owned subsidiary, Porto Rican American Tobacco Co. of Delaware. The latter company operates factories in Puerto Rico and carries on the local business there. Its best known brands of cigars are Ricora, El Toro, Portina, Nurica, and La Restina, which are widely distributed in the United States by the parent company. The parent company also controls the Congress Cigar Co., Inc., makers of La Palina cigars and Waitt & Bord, Inc., makers of Blackstone cigars.

General Cigar Co., Inc., was organized in 1906 as United Cigar Manufacturing Co. Its name was changed to the present title in 1917. Its controls the General Cigar Co. of Cuba, Ltd., which is engaged in buying, packing, and stripping tobacco. The parent company manufactures and distributes cigars including the following brands: Robert Burns, White Owl, Van Dyck, William Penn,

Little Bobbie, and Laddies.

Consolidated Cigar Corporation was organized in 1915 to acquire the business and properties of E. M. Schwarz & Co., Inc., and T. J. Dunn & Co., New York; Lilies Cigar Co., Detroit; and Jose Lavera Co., L. Sidelo Cigar Co., and Samuel I. Davis Co., Tampa, Fla. The company has since acquired other companies in other cities. It manufactures a number of popular brands of cigars, including Henry George, Harvester, El Sidelo, Mozart, Adlon, El Producto, La Azora, Dutch Masters, and 44.

Bayuk Cigars, Inc., was incorporated in 1920 as Bayuk Bros., Inc., to acquire the property and business of Bayuk Bros., Co., Mapacuba Cigar Co., and Merchants Real Estate Co. The name was changed to the present one in July 1923. The brands of cigars manufactured in the company's numerous plants include Bayuk Phillies, Havana Ribbon, Mapacuba, Charles Thomson, Little Phillies,

and Prince Hamlet.

CHANGES IN CONTROL OF MANUFACTURED PRODUCTS

The segregation of the assets of the combination under the decree of dissolution resulted in radical changes in the proportions of the various products formerly produced by American Tobacco Co. and its subsidiaries as compared with the business remaining with that company after its reorganization. The division of the combination's business not only involved the readjustment of the financial structure but also the distribution of brands and plants to the various companies which were to carry on the business. There have also been important changes in the proportions of the various branches of the business carried on by individual companies since that time.

At the time of the dissolution of the combination, American Tobacco Co. and subsidiaries produced about 84 percent of the country's output of cigarettes, 76 percent of the output of smoking tobacco, over 84 percent of the output of chewing tobacco, more than 96 percent of the output of snuff, and nearly 14½

percent of the cigar business.5

The cigarette business was divided between American Tobacco Co., Liggett & Myers Tobacco Co., and P. Lorillard Co. On the basis of total cigarette sales in the United States in 1910, 38.8 percent of the cigarette business went to American Tobacco Co., 29.1 percent to Liggett & Myers Tobacco Co., and 15.9 percent to P. Lorillard Co.

The smoking tobacco business was divided between four companies, of which American Tobacco Co. received the equivalent of 32 percent of the country's output, Liggett & Myers Tobacco Co. received 19.4 percent, P. Lorillard Co. received 22.1 percent, and R. J. Reynolds Tobacco Co. received 2.6 percent.

The chewing tobacco business was divided, 25.4 percent to American Tobacco Co., 35.7 percent to Liggett & Myers Tobacco Co., 5.4 percent to P. Lorillard Co.,

and 17.7 percent to R. J. Reynolds Tobacco Co.

As previously explained, the combination's snuff business was divided between American Snuff Co., George W. Helme Co., and Weyman-Bruton Co. (now United States Tobacco Co.). The snuff business of the combination, which was over 96 percent of the country's output, was divided between these three companies in the proportion of 34.8 percent for American Snuff Co., 33.5 percent for George W. Helme Co., and 31.7 percent for Weyman-Bruton Co.

The combination's cigar business, which, it will be noted, was relatively small in relation to the country's output, was retained in part by American Tobacco Co.,

⁸ Report of the Commissioner of Corporations on the Tobacco Industry, pt. III, pp. 192, 221, 250 295, 307, 322, and 352.

part was allotted P. Lorillard Co., and the remainder was sold to outside interests. of the total eigar business formerly carried on by the combination, 45.4 percent went to American Tobacco Co. and 42.8 percent to P. Lorillard Co.

There has been a marked change in the proportions of leaf tobacco used in the manufacture of cigars, cigarettes, and other tobacco products since 1910. The following tabulation shows the quantity of leaf tobacco used in the production of cigarettes, cigars, and smoking and chewing tobacco and snuff in 1910 and 1937, and indicates the changes in the habits of the American public with regard to the use of tobacco.

	1937	7	1910		
	Pounds leaf tobacco used ¹		Pounds leaf tobacco used		
Cigarettes Cigars Other tobacco products	479, 961, 364 128, 653, 260 264, 309, 344	54. 98 14. 74 30. 28	31, 272, 319 141, 116, 460 350, 480, 900	5. 98 26. 99 67. 03	
Total	872, 923, 968	100. 00	522, 869, 679	100, 00	

From annual reports of the Commissioner of Internal Revenue, 1937 figures are from p. 114 of 1938 report and 1910 figures are from p. 150 of 1914 report.

The tabulation shows that the increase in the use of leaf tobacco for cigarettes, cigars and other tobacco products occurred in the manufacture of cigarettes. In 1937, nearly 55 percent of the total was used in the manufacture of cigarettes as compared with 6 percent in 1910. On the other hand, leaf tobacco used in the manufacture of cigars declined from 27 percent in 1910 to less than 15 percent in 1937, and during this period leaf tobacco used in the manufacture of smoking and chewing tobacco and snuff declined from 67 percent in 1910 to 30 percent in 1937.

According to the latest available information, the 13 manufacturers covered by this inquiry sold over 97 percent of the total United States production of cigarettes in the calendar year 1934, over 89 percent of the smoking tobacco, over 75 percent of the chewing tobacco, and over 98 percent of the snuff.6 The combined cigar sales of the 13 companies, while large in the aggregate, were small in relation to the total United States production. As previously indicated, the cigar business is a rather highly decentralized industry carried on by many separate establishments, and because of the nature of the business the old tobacco combination and its successors never succeeded in acquiring any large proportion of the total cigar business of the country.

The four largest tobacco processors, from the standpoint of invested capital and sales, are American Tobacco Co., Liggett & Myers Tobacco Co., R. J. Reynolds Tobacco Co., and P. Lorillard Co. Together, these companies in 1934 sold 84.2 percent of the total United States production of cigarettes, 74.1 percent of the smoking tobacco, and 70.4 percent of the chewing tobacco. The net changes in the control of manufactured products from 1910 to 1934 of these four companies as they appear at page 275 of the Federal Trade Commission's report on the Agricultural Income Inquiry are presented below:

Percent of United States total production

	Cigarettes		Smoking tobacco		Chewing tobacco	
	1910	1934	1910	1934	1910	1934
American Tobacco Co Liggett & Myers Tobacco Co R. J. Reynolds Tobacco Co P. Lorillard Co	38. 8 29. 1 15. 9	27. 2 27. 3 25. 6 4. 1	32. 0 19. 4 2. 6 22. 1	19. 7 21. 9 23. 2 9. 3	25. 4 35. 7 17. 7 5. 4	1. 6 26. 5 25. 1 17. 2
Total	83. 8	84. 2	76. 1	74. 1.	84. 2	70.4

¹ Includes plug and twist and fine-cut chewing tobacco.

⁶ Report of the Federal Trade Commission on the Agricultural Income Inquiry, pt. 1, pp. 260-261.

In regard to the above comparisons in the foregoing tabulation, it should be noted that in 1910 all four companies were units of the tobacco combination. Therefore, the reductions in the proportion of the total business of American Tobacco Co. from 1910 to 1934 were not merely from 38.8 to 27.2 percent on cigarettes, for example, but were 83.8 to 27.2 percent. Nevertheless, the figures in the tabulation do represent the proportions of the total production by lines or brands of products. Thus, the 38.8 percent shown for cigarettes produced by American Tobacco Co. in 1910 represents the production in the lines of cigarettes which were retained by American Tobacco Co. after the dissolution. These companies show that the proportion of production decreased in each line retained by American Tobacco Co. and that there was a marked decrease in the chewing tobacco lines. The principal change in the lines of business assigned to Liggeit & Myers Tobacco Co. was in the chewing-tobacco lines which decreased from 35.7 to 26.5 percent.

It will be noted that the most striking change in the proportions of the business of any of the companies occurred in the cigarette business of R. J. Reynolds Tobacco Co. which grew from nothing in 1910 to 25.6 percent of the total cigarette production in 1934. This company received no cigarette business under the decree of dissolution of the tobacco combination. It entered the cigarette business in 1913 and 1914 and introduced its Camel brand of cigarettes which has become immensely popular. The company, with its popular brand of Prince Albert smoking tobacco, increased its proportion of the total production of smoking tobacco from 2.6 percent in 1910 to 23.2 percent in 1934. It also substantially increased its proportion of the total production of chewing tobacco during this

period.

The tabulation also shows that P. Lorillard Co.'s proportion of the total eigarette business decreased to one-fourth of its 1910 proportion and its smoking tobacco business decreased to less than one-half. On the other hand, its chewing tobacco business increased to more than three times its 1910 proportion. The falling off in this company's proportion of the total eigarette business was due primarily to the decrease in the demand for Turkish eigarettes following the World War in favor of blended eigarettes of predominantly domestic tobacco. This company's leading brands were of Turkish tobacco which was difficult to obtain during the war. Because of this difficulty, and the resulting increase in the price of such eigarettes, there was a tremendous increase in demand for blended eigarettes. Advantage of this situation was taken by the Reynolds Co. with its Camels, Liggett & Myers with its Chesterfields and American Tobacco Co. with its Lucky Strikes, which were already on the market, whereas it was not until 1926 that the Lorillard Co. introduced its Old Golds.

Notwithstanding the shifts in the proportions of the various products manufactured by the individual companies, the only important change in the combined control of the production of any of the products by the four companies was in chewing tobacco, which fell from 84.2 percent in 1910 to 70.4 percent in 1934. The tabulation shows that in cigarettes their combined business amounted to 83.8 percent of the total production in 1910 and 84.2 percent of the total in 1934; in smoking tobacco the proportion was 76.1 percent of the total in 1910 and 74.1 percent of the total in 1934. There were fluctuations in the proportions from year to year, however, which are not reflected in the tabulation. The proportion of the cigarette business of the four companies, for example, was considerably higher before the rapid growth in this field in recent years of Brown & Williamson Tobacco Co. and Axton-Fisher Tobacco Co. with their 10-cent cigarettes and other

popular brands.

However, with the tremendous growth in the consumption of cigarettes since the dissolution of the tobacco trust in 1911, these four companies have actively developed the cigarette phase of their businesses. They have been aided in the maintenance of their dominant positions in the tobacco industry by ownership of established brands and the financial resources at their command. The difficulty, uncertainty, and cost of popularizing new brands have been important deterrents

to new competition.

As previously stated, over 98 percent of the United States production of snuff in 1934 was produced by American Snuff Co., George W. Helme Co., and the United States Tobacco Co. This high degree of concentration of this branch of the business represents a continuation of the almost complete control by the tobacco combination which was partitioned among these three companies pursuant to the dissolution decree in 1911. The continuation of this control has been materially aided by the same factors applying to the cigarette branch of the business. The current trend toward concentration of cigar manufacture and fewer

companies is due in part to the introduction of eigar-making machinery, to the gradual decrease in cigar consumption, and to the use of national and regional advertising promotion in the merchandising of this product.

In the Federal Trade Commission's report on Agricultural Income Inquiry, it is stated at pages 550 and 551:

"The inquiry has disclosed that four brands of cigarettes dominate the cigarette industry; that the manufacturers of those brands, with minor exceptions, maintain identical prices on them; and that the prices are almost simultaneously changed upward or downward with little regard to leaf tobacco or general commodity price levels. The history of the price changes on the four leading brands demonstrates the exercise of the power concentrated in the hands of the manufacturers of those brands. The sales volume of 10-cent cigarettes indicates the existence of a popular demand for them. It is believed that competition within the cigarette industry would be increased by popular cigarettes selling in various price ranges and that new or more important competition in manufacturing would result in increased competition in the purchase of leaf tobacco. The uniform internal revenue tax of \$3 per thousand on small cigarettes has tended to restrict the most active and substantial new competition that has manifested itself in the industry in many years. It is, therefore, recommended that Congress consider the advisability of levying a graduated tax on cigarettes in lieu of the present uniform tax. It is further recommended that the graduated scale be based upon the manufacturers' net selling prices."

INVESTMENTS AND PROFITS FOR ALL COMPANIES COMBINED

As explained in the preceding pages, the 13 manufacturers which are the subject of this report produced over 97 percent of the total United States production of cigarettes in the year 1934, over 89 percent of the smoking tobacco, more than 75 percent of the chewing tobacco, and over 98 percent of the snuff. view of these large proportions, the operating results of the 13 companies are significant for the industry. Analysis of the financial information obtained from these companies shows that as a group their operations have been highly profitable over a long period of time.

Table 1, which follows, summarizes the investments, profits, and rates of return for the 13 companies as a group for the years 1917 to 1937, inclusive. Rates of return have been computed on three bases of investment; namely, the total investment, the stockholders' investment, and the common stockholders' equity, before deducting provisions for Federal income and profits taxes from earnings and after eliminating goodwill, appreciation, and other intangibles from investments.

The total investment includes the outstanding common and preferred stocks and long-term debt, surplus, surplus and contingency reserves, and reserves for Federal income and profits taxes. The stockholders' investment includes all of these elements except long-term debt. The common stockholders' equity is made up of the outstanding common stocks, surplus, surplus and contingency reserves, and reserves for Federal income and profits taxes. On each basis, the investments were averaged as of the beginning and end of the year and they do not include goodwill, appreciation, and other intangibles.

The profits used in computing the rates of return shown in the table are before deductions for Federal income and profits taxes, since such taxes are wholly contingent upon profits and represent a division of the earnings of the business. Subject to this qualification, the profits applicable to the total investment represent the net income from all sources before deducting interest on long-term debt. The profits applicable to the stockholders' investment represent the net income after deducting interest on long-term debt. The further deduction of dividends on preferred stocks gives the net income applicable to the common stockholders' equity.

TABLE 1.—Summary of investments, profits, and rates of return on the total investment, stockholders' investments, and common stockholders' equity for tobacco processors, 1917–37

	-u	Common stock- holders' equity (percent)	, 8 8 8 5 5 5 1 1 2 3 3 8 2 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8	21.90
	Rates of return on—	Stock-holders' invest- ment) (percent)	8,500 12,000 12,	19. 22
		Total investment (percent)	22 833 17.783 17.783 18.77	16,44
	ot	Common stockholders' equity	\$40,702,276 \$60,948,381 \$60,948,381 \$2,503,908 \$2,072,028 \$6,01,947 \$71,015,509 \$6,641,509 \$6,641,509 \$6,841,171 \$6,841,509 \$6,841,82 \$6,842,848 \$6,842,848 \$6,843,448 \$6,843,448 \$6,843,448 \$6,843,448 \$6,843,448 \$6,843,448 \$6,843,448 \$6,844,482 \$6,8	85, 476, 644
	Net profit 2 applicable to—	Stockholders' investment	\$47, 527, 842 68, 588, 597 56, 589, 597 61, 339, 822 70, 988, 568 77, 527, 361 77, 527, 361 70, 600 90, 101, 644, 529 113, 662, 87 113, 622, 87 113, 622, 87 113, 622, 87 113, 622, 87 113, 622, 87 113, 622, 87 114, 622, 87 117, 627, 87 117, 620, 91 117, 680, 160	93, 808, 081
	Net p	Total invest- ment	\$50, 686, 747 72, 194, 509 68, 303, 837 68, 100, 946 88, 168, 168, 169, 178 89, 168, 169, 189 89, 169, 189 89, 169, 189 89, 169, 189 89, 169, 189 119, 689, 289 101, 890, 689 111, 384, 289 111, 384, 289	98, 358, 523
4	Average investment 1	Common stockholders' equity	\$73.045.716 112.191,072 1145.140,772 1178,181,616 270,539.559 232,453.319 295,775,912 296,	390, 245, 374
00 4		Stockholders' investment	\$170, 904, 416 226, 309, 272 286, 309, 272 306, 993, 424 306, 993, 424 307, 445, 848 431, 548, 848 431, 546, 842 431, 546, 842 431, 546, 942 666, 677, 966 664, 429, 348 664, 429, 348 667, 776, 877 716, 663, 434 663, 443, 443 668, 443, 443 668, 443, 443 668, 566, 917	514, 820, 237
	Average	Total invest- ment	\$232.016, 992 305, 347, 964 375, 554, 615 421, 033, 130 437, 603, 130 437, 603, 306 437, 603, 306 437, 603, 306 437, 613, 306 437, 437 599, 648, 432 599, 64	598, 300, 772
		Number of companies	######################################	
		Year	1917 1918 1920 1920 1922 1923 1924 1925 1929 1939 1930 1930 1931 1931 1931 1931 193	Average

¹ Average of investments at beginning and end of year for each company.
³ Net profits before deducting provisions for Federal income and profits taxes.

The table shows that during the 21-year period 1917–37, all companies as a group averaged 16.44 percent on the total investment, 18.22 percent on the stockholders' investment, and 21.9 percent on the common stockholders' equity. Consistently high rates of return were earned on each basis of investment during each year under review. The lowest returns in any year were earned in 1933 when 10.07 percent was carned on the total investment, 10.59 percent on the stockholders' investment, and 11.5 percent on the common stockholders' investment. It will be noted that exceptionally high rates of return were earned on each basis of investment in every other year, particularly during 1917 and 1918. While the returns for the last few years were not as high as those for the previous years, the trend has been upward.

GOOD WILL, APPRECIATION, AND OTHER INTANGIBLES

As previously explained, deductions were made for good will, appreciation, and other intangibles in computing rates of return on each basis of investment. The amount deducted from investments for such intangibles ranged from \$154,349,900 at the beginning of 1917 down to \$66,055,602 at the end of 1937. The amounts deducted from investments in each of the years 1917–37 were as follows:

		•	
Year:	Amount	Year—Continued.	
1917	\$154, 592, 860	1928	\$136, 330, 180
1918	154, 636, 493	1929	95, 616, 191
1919	155, 129, 407	1930	95, 050, 936
1920	155, 227, 690	1931	94, 539, 210
1921	157, 072, 039	1932	
1922	152, 757, 185	1933	66, 106, 752
1923	152, 704, 943	1934	66, 107, 801
1924	152, 708, 514	1935	66, 052, 861
1925	152, 485, 526	1936	66, 052, 861
1926	137, 545, 606	1937	66, 055, 602
1927	136, 344, 487		

As indicated above, the companies have written off in recent years a substantial portion of the good will, appreciation, and other intangibles carried on their books. Most of the amounts shown above were carried on the books of the successor companies to the old American Tobacco Co. and originated many years ago. The distribution of the assets of the American Tobacco Co., under the dissolution decree, was based on their book values, both tangible and intangible. According to the report of the Commissioner of Corporations on the tobacco industry, over one-half of the amount for good will and other intangibles transferred to the successor companies represented appreciation and overvaluation, which occurred principally in connection with four specific transactions: (a) The organization of the American Tobacco Co. in 1890; (2) the acquisition of the Union Tobacco Co. by the American Tobacco Co. in 1899, (3) the organization of the Continental Tobacco Co. in 1898 and its acquisition of Liggett & Myers Tobacco Co. in 1899; and (4) the merger of Consolidated Toabcco Co. and the American and Continental Tobacco Cos. in 1904.

Obviously such appreciation and overvaluation did not represent actual investment and should not be considered in computing rates of return. Also, the investment value of the good will, as represented by the purchase cost, should long since have been amortized. According to good accounting practice, the cash purchase cost of good will and other intangibles should be amortized as rapidly as possible to conform to the process of valuation employed in setting up the charges. If such a schedule of amortization had been followed, all of the good will would have long since been written off. For this reason the entire amount for good will, appreciation, and other intangibles shown above for each of the years 1917–37

was eliminated from the investments in computing rates of return.

On the average, nearly 90 percent of the amounts shown in the preceding tabulation for the years 1917–25 and nearly all of the amounts thereafter represented goodwill, appreciation, and other intangibles on the books of the successor companies. The remainder of such amounts, applying to companies which had no connection with the old tobacco combination, for the most part did not appear to reflect actual investment. Also, in no case did any of the companies for which the amounts apply follow any plan for periodically amortizing such intangibles. The reductions in the amounts shown in the tabulation reflected lump-sum write-offs, occurring principally in 1926, 1929, and 1933, by some of the companies and indicates their recognition, even if belated, of the propriety of writing off intangibles as rapidly as possible.

The amounts shown in the tabulations do not include all of the goodwill and other intangibles carried on the books of all of the 13 companies covered by this inquiry. In those cases where such intangibles reflected actual investment as nearly as could be determined and where such investment was being amortized periodically, the unamortized portion was not deducted from investments in computing rates of return. However, such unamortized portions represented a relatively small part of the total for all companies in any year.

Appendix tables 1 to 13, which summarize the investments, profits, and rates of return for individual companies for the years 1917-37, show the amounts of goodwill, appreciation, and other intangibles deducted from the investments of

each company in computing rates of return.

COMPARISON OF AVERAGE ANNUAL INVESTMENTS, PROFITS, AND RATES OF RETURN FOR INDIVIDUAL COMPANIES, FUNCTIONALLY CLASSIFIED

In table 1 preceding, the investments, profits, and rates of return for all companies combined for which the information was available were presented for each of the years 1917 to 1937, inclusive, on the basis of the total investment, stock-holders' investment, and common stockholders' equity. The table shows that the average of the annual profits during the 21-year period for all companies combined was equivalent to 16.44 percent on the total investment, 18.22 percent on the stockholders' investment, and 21.9 percent on the common stockholders' equity.

Table 2, which follows, compares the average annual investments, profits, and rates of return during the period under review on each basis of investment for the individual companies, classified according to the principal products manufactured.

Table 2.—Comparison of average annual investments, profits, and rates of return for the period 1917-37 for individual Tobacco processors functionally classified

A verage annual rates of return		Common stock- holders' equity	Percent 24. 20 24. 10 24. 10	24. 26 14. 86 24. 62 21. 13	23, 39	16.30 .57 12.85 12.85	10.82	17.00 26.23 22.31	3 20.54	21.90
nnnal rat	-00	Stock- holders' invest- ment	Percent 17. 91 20. 31 23. 27	20. 29 16. 66 19. 57 18. 95	19.55	13. 59 . 57 9. 93 10. 78	9.66	14.86 19,22 17.36	16.68	18.22
A verage a		Total invest- ment	Percent 17. 16 16. 70 23. 05	18.81 10.31 19.57 8.66	17.34	12. 86 2. 25 9. 78 10. 67	9.32	14.86 19.22 17.36	16.68	16.44
plicable to—		Common stockholders' equity	\$24, 141, 609 16, 861, 186 27, 841, 030	68, 843, 825 4, 158, 627 513, 778 1, 106, 729	74, 622, 959	2, 457, 410 60, 354 1, 068, 539 604, 087	4, 190, 390	2, 771, 498 1, 957, 376 1, 934, 421	6, 663, 295	85, 476, 644
A verage annual profits 1 applicable to—		Stockholders' investment	\$27, 303, 591 18, 401, 900 28, 3?0, 613	74,036,104 4,922,910 550,488 1,407,729	80, 917, 231	2, 909, 649 60, 354 1, 662, 177 792, 074	5, 424, 254	3, 071, 866 2, 194, 544 2, 200, 186	7, 466, 596	93, 808, 081
A verage ann		Total invest- ment	\$27, 788, 342 20, 197, 762 28, 418, 071	76, 404, 175 6, 228, 727 550, 488 1, 801, 293	84, 984, 683	3, 059, 025 326, 343 1, 721, 955 799, 921	5, 907, 244	3, 071, 866 2, 194, 544 2, 200, 186	7, 466, 596	98, 358, 523
ments		Common stock- Total invest- Stockholders' holders' equity ment investment	\$99, 741, 880 68, 543, 504 115, 505, 389	283, 790, 773 27, 984, 525 2, 086, 812 5, 237, 979	319, 100, 089	15, 077, 901 10, 624, 093 8, 317, 288 4, 692, 119	38, 711, 401	16, 299, 348 7, 463, 317 8, 671, 219	32, 433, 884	390, 245, 374
A verage annual investments		Stockholders' investment	\$152, 441, 580 90, 609, 983 121, 755, 389	364, 806, 952 38, 881, 334 2, 812, 722 7, 429, 471	413, 930, 479	21, 414, 675 10, 624, 093 16, 737, 764 7, 349, 655	56, 126, 187	20, 671, 615 11, 420, 737 12, 671, 219	44, 763, 571	514, 820, 237
Avera		Total invest- ment	\$161, 893, 841 120, 973, 952 123, 269, 056	406, 136, 489 60, 404, 420 2, 812, 722 20, 793, 535	490, 147, 166	23, 789, 583 14, 504, 406 17, 599, 849 7, 496, 152	63, 389, 990	20, 671, 615 11, 420, 737 12, 671, 219	44, 763, 571	598, 300, 727
			Manufacturers of eigarettes and other tobacco products: The American Tobacco Co. Liggett & Myers Tobacco Co. R. J. Reynolds Tobacco Co.	Total (Big Three) P. Lorillard Co. Axton-Fisher Tobacco Co. Brown & Williamson Tobacco Co.	Total eigarette and tobacco manufacturers	Cigar manufacturers: General Cigar Co., Inc. Puerto Riean American Tobacco Co.* Consolidated Cigar Co.* Bayuk Cigars, Inc.	Total	Snuff nanufacturers: Unified States Tobacco Co. American Snuff Co. George W. Helme Co.	Total	Total all manufacturers

Net profits before deducting Federal income and profits these.
 *Data are annual averages for 1918-37.
 Data are annual averages for 1988-37.
 Data are annual averages for 1988-37.
 Data are annual averages for 1990-37.
 Data are annual averages for 1919-37.

Table 2 shows that as a group the manufacturers of cigarettes and other tobacco products had the highest average annual rates of return during the period under review, followed closely by the snuff manufacturers. The operations of the cigar manufacturers were very much less profitable, their returns averaging only a little over half of those for the other two groups. Their average profits were equivalent to 9.32 percent of the total investment, 9.66 percent of the stockholder's equivalent to 9.32 percent of the total investment, 9.00 percent of the sworkholder's investment, and 10.82 percent of the common stockholder's equity, as compared with 17.34 percent, 19.55 percent, and 23.39 percent of the respective investments of the manufacturers of cigarettes and other tobacco products, and 16.68 percent, 16.68 percent, and 20.54 percent, respectively, for the snuff manufacturers.

The showing for all companies as a group is influenced considerably by the preponderant investments and large profits of the three largest manufacturers. For example, on the basis of total investment, the combined investments of the preponder of

American Tobacco Co., Liggett & Myers Tobacco Co., and R. J. Reynolds Tobacco Co. averaged nearly 70 percent of the investments of all companies combined and about 80 percent of the investments of the companies comprising the manufacturers of cigarettes and other tobacco products. The relative importance of the various groups of manufacturers from the standpoint of investment is shown

as follows:

Ratios of total investment

	Annual average, 1917–37	Average, 1937
Manufacturers of cigarettes and other tobacco products: Big Three Little Three	Percent 67. 88 14. 04	Percent 68, 50 14, 30
Total Cigar manufacturers Snuff manufacturers	81. 92 10. 60 7. 48	82.80 9.32 7.88
Total	100.00 \$598,300,727	100.00 \$736, 643, 988

It will be observed that there was comparatively little change in the relative proportions of the combined investments for each group during the two periods shown in the tabulation, the decline in the 1937 proportion for the cigar companies being offset by slight increases in the proportions for each of the other groups during that year. The tabulation which follows presents a similar comparison for the individual companies within each group and shows the deviations of their relative proportions in 1937 from those based on the average of the annual investments throughout the entire period.

Ratios of total investment

	Annual average, 1917-37	Average, 1937
Manufacturers of cigarettes and other tobacco products: American Tobacco Co Liggett & Myers Tobacco Co R. J. Reynolds Tobacco Co	Percent 33. 03 24. 68 25. 15	Percent 31, 74 27, 91 23, 07
Total (Big Three) P. Lorillard Co. , Axton-Fisher Tobacco Co. Brown & Williamson Tobacco Co	1,58	82. 72 9. 03 1. 16 7. 09
Total	\$490, 147, 166 Percent	\$609, 955, 640 Percent
General Cigar Co., Inc Porto Rican American Tobacco Co Consolidated Cigar Co Bayuk Cigars, Inc	3 22.88	35. 73 26. 76 22. 65 14. 86
Total	\$63, 389, 990 Percent	\$68, 612, 389 Percent
United States Tobacco Co	46, 18 25, 51	47. 90 26. 06 26. 04
Total	100. 00 \$14, 763, 571	\$58, 075, 959

Annual average, 1918-37.

² Annual average, 1928-37.

³ Annual average, 1920-37.

⁴ Annual average, 1919-37.

The above tabulation shows that the combined investments for each group in 1937 exceeded the average of the annual investments for each group during the period 1917–37. This is indicative of the general growth of the companies throughout the period under review. For example, the combined investments of the three largest companies, which account for the greater portion of the total investments for all companies, increased over 200 percent, from \$165,485,477 in 1917 to \$504,588,788 in 1937. The combined investments of these three companies increased steadily from 1917 to 1933, reaching a maximum of \$560,755,492 in the latter year, then decreasing each year to \$504,588,788 in 1937. The year-to-year changes for these and all of the other companies, together with a breakdown of the investments, appear in appendix tables 1 to 13, which summarize the investments, profits, and rates of return for individual companies for the years 1917–37.

Comparison of Rates of Return for Individual Companies, Functionally Classified

The preceding table 2 compared the average annual investments, profits, and rates of return for the years 1917-37 for individual companies, functionally classified. Tables 3, 4, and 5, which follow, show for each company the rates of return for each year during this period on the basis of the total investment, the stockholders' investment, and the common stockholders' equity. As previously explained, the total investment includes all classes of outstanding stocks and long-term debt, surplus, surplus and contingency reserves, and reserves for Federal income and profits taxes. The stockholders' investment includes all these elements, except long-term debt. The common stockholders' equity consists of the common stocks, surplus, and the reserves referred to above.

Table 3, immediately following, compares the rates of return on total investment for each of the years 1917-37 for individual companies, functionally classified.

Table 3.—Percentage comparison of rates of return on total investment for individual companies, functionally classified, 1917-37

	.1917	1918	1919	1920	1921	1922	1923	1924
Manufacturers of cigarettes and other to- bacco products:								
The American Tobacco Co	20.85	22. 91 22. 71 28. 10	15. 61 12. 95 21. 03	14. 94 15. 86 15. 38	16. 94 17. 28 24. 63	17. 28 16. 81 23. 64	16. 07 15. 99 23. 31	17. 50 17. 71 19. 71
Average (Big Three)	21. 99	24. 12	16. 33	14. 78	19. 45	19.32	18. 65	18. 37
P. Lorillard Co		21. 01 21. 96	14, 99 15, 58	17. 17 12. 20	15. 34 18. 71	16. 08 21, 30	12. 05 14. 32	12. 42 13. 19
Average for cigarette and tobacco manufacturers	22. 25	23. 62	16. 14	15. 12	18. 84	18. 82	17. 63	17. 52
Cigar manufacturers: General Cigar Co., Inc. Porto Rican American Tobacco Co Consolidated Cigar Co.			25. 89	24 13 13.19 25.48	13. 61 131. 88 3. 01	17. 07 1 2. 29 13. 59	14. 70 6. 61 5. 48	13. 55 1. 15 12. 20
Consolidated Cigar Co	24.00	18.80	21. 40	25. 56	23. 89	37. 85	21. 02	15. 63
Average	18. 48	24.80	22. 58	22. 19	2. 13	14. 25	12. 11	11.86
Snuff manufacturers: United States Tobacco Co	22.77	24. 15 26. 56 19. 31	20. 05 26. 83 18. 51	18. 25 27. 59 20. 52	17. 93 24. 74 19. 48	16. 69 28. 69 21. 45	15. 76 23. 65 20. 60	15. 14 20. 39 20. 89
Average	18. 78	23. 40	21.63	21. 64	20.34	21. 48	19.37	18. 27
A verage for all manufacturers	21. 76	23. 64	16. 87	16. 17	17. 54	18. 64	17. 23	17. 00

Denotes loss.

Table 3.—Percentage comparison of rates of return on total investment for individual companies, functionally classified, 1917-37—Continued

		, 101					
	1925	1926	1927	1928	1929	1930	1931
Manufactures of cigarettes and other tobacco prod-							
ucts: The American Tobacco Co	18.68	18. 75	18. 46	10 07	19, 65	23, 79	24, 44
Liggett & Myers Tobacco Co	18, 23	19. 07	18. 78	18. 87 17. 94	19. 58	19, 29	17. 15
Liggett & Myers Tobacco Co	22. 17	23.71	24.07	22. 24	26.82	28.88	29.07
Average (Big Three)	19. 78	20. 53	20. 51	19. 76	21. 91	23. 92	23. 55
P. Lorillard Co	13, 26	10, 31	6. 77	5, 54	4, 49	7. 19	9. 10
P. Lorillard Co	31.37	30, 12	52, 24	9. 69 1 33. 58	22. 68 1 56. 67	28. 71 1 37. 36	21. 93 1 2. 48
Average for cigarette and tobacco manufac-							
turers	18. 93	19. 21	18.68	17. 12	18. 39	20. 73	21.34
Cigar manufacturers:							
General Cigar Co., Inc	13. 25 8. 50	12.81 4.81	15. 97 5. 93	14.34 5.02	17. 09 7. 13	11.86	9.82 3.07
Consolidated Cigar Co	15. 37	13. 57	13. 19	13. 95	12, 44	9.17	8. 40
Consolidated Cigar Co Bayuk Cigars, Inc	10.41	13. 81	15. 34	11.88	11.76	5. 31	2. 34
A verage	12.75	12.40	13. 30	11.87	12.70	9.04	6. 97
Snuff manufacturers:							
United States Tobacco Co	14. 45 18. 04	14. 25 18. 10	14.14 20.56	13. 02 21. 95	12.41 19.03	12. 15 16. 92	12. 46 17. 26
George W. Helme Co	19.76	19. 29	19.31	18.94	18. 58	17.61	15. 45
Average	16.96	16. 69	17. 17	16. 80	15. 63	14. 67	14.37
Average for all manufacturers	18, 14	18, 23	17, 86	16, 38	17. 41	18, 77	19.08
	100.22	10.20	1	1	1	"01.11	
	1932	1933	1934	1935	1936	1937	Aver- age
Manufacturers of cigarettes and other tobacco products:							
The American Tobacco Co	21. 53	8, 37	12, 21	12.93	12, 20	16.35	17. 16
Liggett & Myers Tobacco Co	16. 84	12.33	14.60	12. 25	17.62	15. 52	16.70
R. J. Reynolds Tobacco Co	26. 11	12. 41	17. 67	20.74	25. 02	23. 87	23.05
Average (Big Three)	21. 42	10.70	14. 45	14. 82	17. 53	18. 17	18. 81
P. Lorillard Co	8.69	5. 36 33. 59	7. 17	7.61	8.47	6.13	10.31
P. Lorillard Co	39. 20 24, 42	33. 59 14. 88	74.70 16.27	8. 20 14. 64	8. 46 17. 81	3. 42 9. 42	19. 57 8. 66
	21, 12	14.00	10.20	11.01	11.01	0. 12	
Average for cigarette and tobacco manufac- turers							
01	20. 17	10.47	13. 95	14. 07	16. 61	16. 29	17. 34
Cigar manufacturers:							
General Cigar Co., Inc.		3.04	10, 36	9. 69	8. 51	7.97	12, 86
General Cigar Co., Inc		3.04	10.36	9. 69 2. 07	8. 51 . 63	7. 97	12. 86 2. 25
Cigar manuiacturers: General Cigar Co., Inc Porto Rican American Tobacco Co Consolidated Cigar Co Bavuk Cigars, Inc		3.04	10, 36	9. 69	8. 51	7.97	12, 86
Cigar manufacturers: General Cigar Co., Inc	7. 91 1. 41 4. 14 1 12. 16	3. 04 . 88 3. 33	10.36 .60 5.17	9. 69 2. 07 3. 96	8. 51 . 63 6. 39	7. 97 1. 63 7. 15	12. 86 2. 25 9. 78
General Cigar Co., Inc. Porto Rican American Tobacco Co. Consolidated Cigar Co. Bavuk Cigars, Inc. Average. Snuff manufacturers:	7. 91 1. 41 4. 14 112. 16 2. 90	3. 04 . 88 3. 33 7. 18	10. 36 . 60 5. 17 10. 90	9. 69 2. 07 3. 96 12. 27	8. 51 . 63 6. 39 12. 28	7. 97 1. 63 7. 15 12. 27	12. 86 2. 25 9. 78 10. 67
General Cigar Co., Inc. Porto Rican American Tobacco Co Consolidated Cigar Co. Bavuk Cigars, Inc. Average. Snuff manufacturers: United States Tobacco Co.	7. 91 1. 41 4. 14 1 12. 16 2. 90	3. 04 . 88 3. 33 7. 18 3. 05	10. 36 . 60 5. 17 10. 90 6. 57	9. 69 2. 07 3. 96 12. 27 6. 63	8. 51 . 63 6. 39 12. 28 6. 42	7. 97 1. 63 7. 15 12. 27 6. 12	12. 86 2. 25 9. 78 10. 67 9. 32
General Cigar Co., Inc. Porto Rican American Tobacco Co Consolidated Cigar Co. Bavuk Cigars, Inc. Average. Snuff manufacturers: United States Tobacco Co.	7. 91 1. 41 4. 14 1 12. 16 2. 90	3. 04 . 88 3. 33 7. 18 3. 05	10. 36 . 60 5. 17 10. 90 6. 57 14. 09 16. 30	9. 69 2. 07 3. 96 12. 27 6. 63	8. 51 . 63 6. 39 12. 28 6. 42 17. 65 13. 48	7. 97 1. 63 7. 15 12. 27 6. 12 14. 41 12. 35	12. 86 2. 25 9. 78 10. 67 9. 32
General Cigar Co., Inc. Porto Rican American Tobacco Co Consolidated Cigar Co Bavuk Cigars, Inc Average Snuff manufacturers: United States Tobacco Co American Snuff Co George W. Helme Co	7. 91 1. 41 4. 14 1 12. 16 2. 90 14. 69 16. 30 14. 15	3. 04 . 88 3. 33 7. 18 3. 05 13. 85 17. 16 14. 57	10. 36 . 60 5. 17 10. 90 6. 57 14. 09 16. 30 15. 03	9. 69 2. 07 3. 96 12. 27 6. 63 14. 85 13. 35 14. 15	8. 51 . 63 6. 39 12. 28 6. 42 17. 65 13. 18 14. 22	7. 97 1. 63 7. 15 12. 27 6. 12 14. 41 12. 35 12. 83	12. 86 2. 25 9. 78 10. 67 9. 32 14. 86 19. 22 17. 36
General Cigar Co., Inc. Porto Rican American Tobacco Co Consolidated Cigar Co. Bavuk Cigars, Inc. Average. Snuff manufacturers: United States Tobacco Co.	7. 91 1. 41 4. 14 12. 16 2. 90 14. 69 16. 30 14. 15	3. 04 . 88 3. 33 7. 18 3. 05	10. 36 . 60 5. 17 10. 90 6. 57 14. 09 16. 30	9. 69 2. 07 3. 96 12. 27 6. 63	8. 51 . 63 6. 39 12. 28 6. 42 17. 65 13. 48	7. 97 1. 63 7. 15 12. 27 6. 12 14. 41 12. 35	12. 86 2. 25 9. 78 10. 67 9. 32

¹ Denotes loss:

Table 3 shows exceptionally high rates of return on the total investment for each year by the manufacturers of cigarettes and other tobacco products as a group, and by the snuff manufacturers as a group. The operations of the cigar companies as a group were less profitable throughout the period under review, although high rates of return were earned by some of these companies during certain years.

The returns for American Tobacco Co., Liggett & Myers Tobacco Co., and R. J. Reynolds Tobacco Co., the three largest companies, as a group averaged 18.81 percent for the years 1917-37, and the returns for all manufacturers of cigarettes and other tobacco products averaged 17.34 percent during this period. For individual companies the highest average return was earned by R. J. Reynolds Tobacco Co. with 23.05 percent, followed by Axton-Fisher Tobacco, the smallest of any of the companies in the group, with 19.57 percent, American Tobacco Co. with 17.16 percent, Liggett & Myers Tobacco Co. with 16.70 percent, P. Lorillard Co. with 10.31 percent, and Brown & Williamson Tobacco Co. with 8.66 percent.

For the snuff manufacturers, the highest average rates of return were earned by American Snuff Co., followed by Geo. W. Helme Co. and United States Tobacco Co. The returns for these companies averaged 19.22 percent, 17.36 percent, and 14.86 percent, respectively, the average for the group being 16.68 percent.

14.86 percent, respectively, the average for the group being 16.68 percent.

For the cigar companies, the average returns in the order of size were 12.86 percent for General Cigar Co., Inc., 10.67 percent for Bayuk Cigars, Inc., 9.78 percent for Consolidated Cigar Co., and 2.25 percent for Porto Rican American

Tobacco Co., the average for the group being 9.32 percent.

The average rate of return on total investment for all companies in all groups was 16.44 percent for the period. It will be noted that exceptionally high rates of return were earned in each of the years 1917-32 by all companies combined, the highest being 23.64 percent in 1918 and the lowest being 16.17 percent in 1920. In 1933, however, the average return dropped to a low of 10.07 percent as compared with 17.94 percent for the previous year, but increased thereafter to 15.58 percent in 1936 and fell off slightly to 15.12 percent in 1937. However, as previously explained, these high returns were considerably influenced by the preponderent investments and large profits of the three largest manufacturers. The stockholders' investment for all companies combined averaged about

The stockholders' investment for all companies combined averaged about 86 percent of the total investment during the 21-year period. However, the margin of capital represented by long-term debt produced earnings in excess of the interest cost thereof, so that the average of the annual returns on the stockholders' investment for all companies was generally higher than were the returns

on the total investment.

Table 4, which follows, compares the rates of return on the stockholders' investment for individual companies, functionally classified, for each of the years 1917-37.

Table 4.—Percentage comparison of rates of return on stockholders' investment for individual companies, functionally classified, 1917-37

-	1917	1918	1919	1920	1921	1922	1923	1924
Manufactures of cigarettes and other tobacco products:								
The American Tobacco Co	47. 41	26. 91 50. 82 28. 10	19. 16 25, 13 22. 70	17. 56 25. 47 17. 20	19. 32 26. 79 26. 25	18. 83 23. 73 23. 82	16. 80 21. 88 23. 31	17. 64 23. 45 19. 71
Average (Big Three) P. Lorillard Co Axton-Fisher Tobacco Co	25. 84 49. 49	30, 93 35, 08 21, 96	21. 33 21. 99 15. 58	18. 68 25. 02 12. 20	23. 24 21. 00 18. 71	21.67 21.89 21.30	20. 31 15. 47 14. 32	19. 58 16. 14 13. 19
Average for cigarette and tobacco manufacturers	28. 12	31, 40	21.41	19. 45	22, 95	21. 69	19. 74	19. 21
Cigar manufacturers: General Cigar Co., Inc Porto Rican American Tobacco Co	17. 83	25. 54	25. 89 13. 07	24. 13 13. 19 25. 75	13.61	17. 07 1 7. 31 13. 77	17. 43 5. 88 5. 46	16.32 11.37 12.31
Consolidated Cigar Co	24.00	18.89	21. 40	25. 75 25. 83	2. 93 24. 12	38. 05	21.06	15. 64
Average	18.48	24. 80	22. 58	22. 26	1. 78	14. 72	13.44	13.03
Snuff manufacturers: United States Tobacco CoA merican Snuff CoGeorge W. Helme Co		24. 15 26. 54 19. 31	20. 05 26. 83 18. 51	18, 25 27, 59 20, 52	17. 93 24. 74 19. 48	16. 69 28. 69 21. 45	15. 76 23. 65 20. 60	15. 14 20. 39 20. 89
Average	18. 78	23. 40	21. 63	21.64	20. 34	21.48	19.37	18. 27
A verage for all manufacturers	26. 43	30. 21	21. 52	19. 99	20. 54	21.00	19.09	18. 54

^{&#}x27; Deficit.

Table 4.—Percentage comparison of rates of return on stockholders' investment for individual companies, functionally classified, 1917-37—Continued

inainavai companies, junctionaity classifiea, 1917-57—Continued									
,	1925	1926	1927	1928	1929	1930	1931		
Manufacturers of cigarettes and other tobacco products: The American Tobacco Co	18. 83 22. 92	18. 89 23. 36	18. 57 22. 62	18. 98 21. 29	19. 52 23. 17	23. 88 22. 38	24. 51 19. 48		
R. J. Reynolds Tobacco Co	22. 17	23. 71	24. 07	22. 24	26. 82	28.88	29. 07		
Average (Big Three) P. Lorillard Co. Axton-Fisher Tobacco.	21. 04 17. 39 31. 37	21. 78 12. 68 30. 12	21. 66 7. 37 52. 24	20. 80 5. 24 9. 69	22. 94 3. 31 22. 68	25. 04 8. 06 28. 71	24. 56 10. 28 21. 93		
Average for clgarette and tobacco manufac- turers	20. 71	20. 93	20. 43	18. 82	20. 11	22. 89	23. 25		
Cigar manufacturers: General Cigar Co., Inc Porto Rican American Tobacco Co Consolidated Cigar Co Bayuk Cigars, Inc	15. 69 8. 49 15. 94 10. 76	14. 79 3. 71 18. 25 14. 23	18. 54 3. 26 13. 56 15. 72	16. 28 4. 14 14. 07 12. 08	19. 03 7. 46 12. 54 11. 91	12. 58 6. 84 9. 22 5. 29	10. 19 1. 74 8. 43 2. 25		
A verage	14.08	14. 51	14. 17	12.84	13.63	9, 39	7. 08		
Snuff manufacturers: United States Tobacco Co American Snuff Co George W. Helme Co	14. 45 18. 04 19. 76	14. 25 18. 10 19. 29	14. 14 20. 56 19. 31	13. 02 21. 95 18. 94	12. 41 19. 03 18. 58	12. 15 16. 92 17. 61	12. 46 17. 26 15. 45		
Average	16. 96	16. 69	17. 17	16. 80	15. 63	14. 67	14. 37		
Average for all manufacturers	19. 75	19. 90	19.39	17. 85	18. 85	20. 45	20. 50		
	1932	1933	1934	1935	1936	1937	Aver-		
Manufacturers of cigarettes and other tobacco products: The American Tobacco Co	18, 91	8. 34 13. 44 12. 41	12. 23 15. 99 17. 67	13. 43 13. 24 20. 74	13. 43 19. 45 25. 02	18. 00 17. 00 23. 87	17. 9 20. 3 23. 2		
Average (Big Three) P. Lorillard Co Axton Fisher Tobacco Co Brown & Williamson Tobacco Co	22. 23	10, 92 5, 14 33, 59	14. 84 7. 53 24. 70 169. 74	15. 49 8. 11 8. 20 24. 91	18, 85 9, 20 8, 46 20, 86	19. 48 6. 18 3. 42 10. 97	20. 2 16. 6 19. 5 18. 9		
Average for cigarette and tobacco manufac- turers	21. 89	11. 10	15.02	15. 14	18.06	17. 71	19. 5		
Cigar manufacturers: General Cigar Co., Inc Porto Riean American Tobacco Co Consolidated Cigar Co. Bayuk Cigars, Inc	7. 79 1. 44 4. 11 112. 56	3. 04 11 13 3. 26 7. 20	10. 36 1 1. 41 5. 12 10. 98	9. 69 . 78 3. 96 12. 37	8. 51 1. 86 6. 39 12. 29	7. 97 1 2. 25 7. 15 12. 30	13, 5 , 5 9, 9 10, 7		
A verage	2. 51	2. 80	6. 63	6. 68	6. 45	6. 14	9. 6		
Snuff manufacturers: United States Tobacco Co	14. 69 16. 30 14. 15	13. 85 17. 16 14. 57	14. 09 16. 30 15. 03	14. 85 13. 35 14. 15	17. 65 13. 18 14. 22	14, 41 12, 35 12, 83	14. 8 19. 2 17. 3		
A	14.92	14. 83	14. 90	14. 28	15. 59	13. 46	16.6		
Average							1		

¹ Deficit.

Table 4 shows that the average rates of return on the stockholders' investment for the years 1917–37 were 19.55 percent for the manufacturers of eigarettes and other tobacco products as a group, 16.68 percent for the snuff manufacturers and 9.66 percent for the eigar manufacturers, the average for all groups being 18.22 percent. It will be noted that the average return for the three largest companies was the highest of any group, being 20.29 percent for the period. The returns for these companies were unusually high in every year during 1917–32, the highest being 30.93 percent in 1918 and the lowest 18.68 percent in 1920. Earnings declined sharply in 1933 as compared with previous years so that the average return for the three companies in that year fell to 10.92 percent as com-

pared with 22.23 percent for the year before. However, the rates of return

increased in each subsequent year to 19.48 percent in 1937.

The investment of the common stockholders alone averaged about 65 percent of the total investment for all companies combined. However, that part of the total investment represented by preferred stock and long-term debt produced earnings in excess of dividend payments on the preferred and interest cost on the debt so that the average of the annual returns on the common stockholders' equity for all companies was generally higher than were the returns on the total investment. For example, throughout the years 1917–37, the returns for the three largest companies combined averaged 24.26 percent on the common stockholders' equity as compared with 18.81 percent on the total investment. Table 2, which has been presented and commented upon, compares the average of the annual returns for individual companies on each basis of investment, and table 3, when compared with table 5, which follows, shows the differences on a yearly basis.

Rates of return on the common stockholders' equity for individual companies, functionally classified, are presented on the following table 5 for each year during the period 1917–37. This table shows that throughout this period all companies earned an average of 21.90 percent on the common stockholders' equity, and that the earnings of the respective groups were equivalent to 23.39 percent for the manufacturers of cigarettes and other tobacco products, 20.54 percent for the snuff manufacturers and 10.82 percent for the cigar manufacturers. As was the case for the other two bases of investment, the average return on this basis for the three largest companies combined was higher than that for any group, amounting to 24.26 percent for the period. During 1917–32, the average returns for these companies ranged from highs of 53.35 percent and 56.22 percent in 1917 and 1918 to 24.19 percent in 1928. In 1933 the average return was 11.66 percent as compared with 24.86 percent for the preceding year, but increased each year thereafter to 21.99 percent in 1937

Table 5.—Percentage comparison of rates of return on common stock equity for individual companies, functionally classified, 1917-37

Manufacturers of cigarette and other tobacco products: The American Tobacco Co. 41. 10 59. 01 38. 49 30. 33 31. 77 30. 25 25. 32 25 12 12 12 12 12 12 12 12 12 12 12 12 12									
Droducts: The American Tobacco Co.		1917	1918	1919	1920	1921	1922	1923	1924
The American Tobacco Co.	Manufacturers of cigarette and other tobacco								
Liggett & Myers Tobacco Co		41 10	59 01	36 49	30 33	31.77	30. 25	25 32	25.8
Average (Big Three)	Liggett & Myers Tobacco Co		383. 89	94, 27	62 68	49. 29	39. 77	34. 18	33.
P. Lorillard Co. Axton-Fisher Tobacco Co. Brown & Williamson Tobacco Co. Average for cigarette and tobacco manufacturers: General Cigar Co., Inc. Porto Rican American Tobacco Co. Consolidated Cigar Co. Bayuk Cigars, Inc. 24.00 30.47 40.06 37.26 32.92 45.51 30.47 40.06 37.26 32.92 45.51 30.07 32.07 45.51 48.92 45.51 48.92 45.51 40.93 40.06 40.06 40.06 40.07 40.06 40.07 40.06 40.07 40.06 40.07 40.06 40.07 40.06 40.07 40	R. J. Reynolds Tobacco Co	38. 37	32. 74	25. 39	19. 08	31. 59	27. 85	26. 78	22. (
Axton-Fisher Tobacco Co. Brown & Williamson Tobacco Co. Average for cigarette and tobacco manufacturers: General Cigar Co., Inc. Consolidated Cigar Co. Bayuk Cigars, Inc. United States Tobacco Co. United States Tobacco Co. 31.28 32.27 32.27 32.27 45.51 48.92 45.51 46.51 20.93 27.26 25.46 22.86 4.34 15.88 11.33 24.68 4.34 15.89 11.33 43.38 11.33 24.68 43.34 15.89 16.80 17.31 18.40 18.90 19.60 96.77 38.08 24.00 18.90 19.60 19.70 19.80 19.60 19.70 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 18.71 18.71 27.83 18.40 18.60 18.71 27.83 18.40 18.71 27.83 18.40 18.71 28.85 29.86 29.93 29.27 29.12 29.12 29.13 20.40 18.80 18.80 19.8	Average (Big Three)	53. 35							25.
Brown & Williamson Tobacco Co Average for cigarette and tobacco manufacturers: General Cigar Co., Inc. General Cigar Co., Inc. Ton Solidated Cigar Co. Bayuk Cigars, Inc. Ton Solidated Cigar Co.	P. Lorillard Co	215. 53							20. 16.
Manufacturers	Brown & Williamson Tobacco Co		21, 50	10.00	12. 20	10.71	21.00	10. 10	
Manufacturers	A Warage for cigaratte and tohogo								
Signa manufacturers: General Cigar Co., Inc. 32. 27 45. 51 48. 92 45. 51 20. 93 27. 26 25. 46 22 25. 46 22 25. 46 22 25. 46 22 25. 46 22 25. 46 22 25. 46 22 25. 46 22 25. 46 22 25. 46 22 25. 46 2	manufacturers	61. 37	56. 98.	. 33. 41	28.58	33. 16	30. 17	26. 35	24.
General Cigar Co., Inc. 32. 27	ligar manufacturers								-
Consolidated Cigar Co. Bayuk Cigars, Inc. 24.00 18.89 21.40 41.81 90.60 96.77 88.08 24.40 Average. 30.47 40.06 37.26 32.92 12.48 21.64 17.81 16. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 40.06 37.26 32.92 12.48 21.64 17.81 16. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 24. 38.08 25. 26.21 28.28 28.21 28.21 28.20 28.99 38.99 38.21 28.22 28.15 29.40 18. 39.21 44.65 34.97 29.71 27. 27. 28. 28. 38.08 28. 38.08 28. 28.99 38.08 28.99 38.99 38.08 28.87 38.08 28.88 28.99 38.99 38.08 28.88 28.99 28.88 28.89 28.89 28.89 28.89 28.89 28.89 28.88 28.89 28.88 28.89 28.89 28.88 28.89 28.88 28.89 28.89 28.88 28.89 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88 28.89 28.88	General Cigar Co., Inc.	32. 27	45. 51	48. 92					22.
Average . 30. 47 40. 06 37. 26 32. 92 12. 48 21. 64 17. 81 16 Snuff manutacturers: United States Tobacco Co. 31. 28 42. 58 29. 93 25. 21 24. 28 22. 15 20. 40 18 American Snuff Co. 40. 57 46. 39 45. 43 45. 49 39. 21. 44. 65 34. 97 29 George W. Helme Co. 29. 72 32. 34 28. 87 31. 16 27. 92 29. 91 27. 71 29 Average . 34. 30 40. 69 34. 17 32. 50 29. 36 30. 47 26. 42 24 Average for all manufacturers . 55. 72 54. 33 33. 75 29. 46 29. 48 29. 47 25. 60 24 Indicator of cigarette and other tobacco products: The American Tobacco Co. 27. 53 27. 22 26. 18 26. 34 25. 51 30. 17 30 Liggett & Myers Tobacco Co. 29. 63 28. 90 27. 42 25. 34 27. 43 25. 85 21 R. J. Reynolds Tobacco Co. 22. 86 23. 71 21. 07 22. 24 26. 82 28. 88 25 Average (Big Three) . 25. 76 26. 00 25. 49 24. 19 26. 53 28. 61 27	Porto Rican American Tobacco Co			17 32					15.
Soluff manulacturers: United States Tobacco Co. 31. 28	Bayuk Cigars, Inc	24. 00	18.89						24.
Solutif manutacturers: United States Tobacco Co. 31.28 42.58 29.93 25.21 24.28 22.15 20.40 18 American Snuff Co. 40.57 46.39 45.43 45.49 39.21 44.65 34.97 28 29.72 32.34 28.87 31.16 27.92 29.91 27.71 27 27 27 27 28 28 28 28	Average	30. 47	40. 06	37. 26	32. 92	1 2.48	21. 64	17. 81	16.
American Snuff Co. 40, 57 46, 39 45, 43 45, 49 39, 21 44, 65 34, 97 29 29, 91 42, 71 27 29 29 29 29 29 29 29 29 29 29 29 29 29	Snuff manufacturers:				-				
Average Average for all manufacturers S5. 72 S4. 33 33. 75 32. 60 29. 48 29. 47 25. 60 24	United States Tobacco Co	31. 26							18. 29.
Average for all manufacturers	George W. Heime Co	29.72							27.
1925 1926 1927 1928 1929 1930	Average	34, 30	40.69	34. 17	32. 50	29. 36	30. 47	26. 42	24.
Manufacturers of cigarette and other tobacco products: The American Tobacco Co	Average for all manufacturers	55. 72	54. 33	33. 75	29. 46	29. 48	29. 47	25. 60	24. (
ucts: The American Tobacco Co. 27, 53 27, 22 26, 18 26, 34 25, 51 30, 17 36 Liggett & Myers Tobacco Co. 29, 63 28, 90 27, 42 25, 34 27, 43 25, 85 21 R. J. Reynolds Tobacco Co. 22, 86 23, 71 21, 07 22, 24 26, 82 28, 88 25 Average (Big Three) 25, 76 26, 00 25, 49 24, 19 26, 53 28, 61 27			1925	1926	1927	1928	1929	1930	1931
ucts: The American Tobacco Co. 27, 53 27, 22 26, 18 26, 34 25, 51 30, 17 36 Liggett & Myers Tobacco Co. 29, 63 28, 90 27, 42 25, 34 27, 43 25, 85 21 R. J. Reynolds Tobacco Co. 22, 86 23, 71 21, 07 22, 24 26, 82 28, 88 25 Average (Big Three) 25, 76 26, 00 25, 49 24, 19 26, 53 28, 61 27									
The American Tobacco Co. 27. 53 27. 22 26. 18 26. 34 25. 51 30. 17	states.	- '							
R. J. Reynolds Tobacco Co. 22. 86 23. 71 21. 07 22. 24 26. 82 28. 88 29 Average (Big Three). 25. 76 26. 00 25. 49 24. 19 26. 53 28. 61 27	The American Tobacco Co		27. 53						30.
Average (Big Three) 25.76 26.00 25.49 24.19 26.53 28.61 27	R. J. Reynolds Tobacco Co		29. 63						21. 29.
			25.76	26, 00	25. 49	24. 19	26. 53	28.61	27:

Denotes loss.

Table 5.—Percentage comparison of rates of return on common stock equity for individual companies, functionally classified, 1917-37—Continued

	y clas	oijieu,	1011	01	0110111		
	1925	1926	1927	1928	1929	1930	1931
Manufacturers of cigarette and other tobacco products—Continued. P. Lorillard Co. Axton-Fisher Tobacco Co. Brown & Williamson Tobacco Co.	22. 12 42. 42	15, 13 32, 39	7. 52 71. 89	4. 53 13. 69	2. 04 35. 01	8. 37 41. 09	11. 15 28, 63
Average for cigarette and tobacco manufac- turers	25. 47	25. 07	24. 13	22. 14	23. 50	26. 48	26. 64
Cigar manufacturers: General Cigar Co., Inc Porto Rican American Tobacco Co Consolidated Cigar Co Bayuk Cigars, Inc	1 18, 14	19. 24 3. 71 15. 10 20. 97	23. 08 3. 26 19. 32 24. 70	19. 04 4. 14 21. 46 15. 88	21. 97 7. 46 18. 03 14. 55	13. 73 6. 84 11. 51 4. 47	10. 83 1. 74 9. 93 . 01
Average	17. 01	15. 55	18. 09	15. 82	16. 45	10. 33	.7. 15
Snuff manufacturers: United States Tobacco Co	25. 21 25. 64	16. 98 25. 13 24. 69	16, 54 28, 62 24, 46	14. 82 30. 02 23. 71	13. 86 25. 16 23. 10	13. 41 21. 92 21. 65	13, 81 22, 34 18, 50
Average	21. 80	21. 09	21. 43	20. 54	18.68	17. 24	16.71
Average for all manufacturers	24. 44	23. 87	23. 27	21. 28	22. 26	23. 85	23. 72
	1932	1933	1934	1935	1936	1937	Aver- age
Manufacturers of cigarette and other tobacco prod- ucts:							
The American Tobacco Co	26. 25 21. 15 26. 11	9. 02 14. 59 12. 41	14. 14 17. 55 17. 67	16, 06 14, 32 20, 74	16. 62 21. 52 25. 02	23. 31 18. 65 23. 87	24. 20 24. 60 24. 10
Average (Big Tbree) P. Lorillard Co Axton-Fisher Tobacco Co Brown & Williamson Tobacco Co	24. 86 10. 31 54. 65	11. 66 4. 77 45. 28	16. 27 7. 69 30. 61	17. 13 8. 43 8. 77 15. 24	21. 23 9. 84 9. 08 22. 70	21. 99 5. 49 4, 30 11. 54	24. 26 14. 86 24. 62 21. 13
Average for eigarette and tobacco manufac- turers	24. 84	12. 02	16. 67	16. 34	20. 33	19. 94	23. 39
Cigar manufacturers: General Cigar Co., Inc Porto Rican American Tobacco Co Consolidated Cigar Co Bayuk Cigars, Inc.	7. 94	2. 21 1 1. 13 1 3. 73 7. 35	10. 32 1 1. 41 2. 16 12. 56	10. 36 . 78 1 1. 30 14. 20	8. 89 1. 86 6. 00 13. 95	8. 22 1 2. 25 8. 15 13. 71	16. 30 . 57 12. 85 12. 87
A verage	. 95	1. 29	6. 22	6. 65	6. 35	5. 93	10.02
Snuff manufacturers: United States Tobacco Co	15. 48 20. 73 16. 66	14. 56 21. 69 18. 03	14. 90 20. 23 18. 57	15. 66 16. 09 17. 06	18. 63 15. 77 17. 16	15. 09 14. 59 15. 31	17, 00 26, 23 22, 31
A verage	16. 83	16. 90	16. 97	16. 09	17. 62	15. 03	20. 54
Average for all manufacturers	21, 99	11. 50	15. 84	15. 52	18. 89	18. 29	21. 90

¹ Denotes loss.

Comparison of Sales and Operating Results

Further indication of the relative importance and profitableness of the various companies is presented below from the standpoint of sales and operating results. Table 6, immediately following, summarizes the net sales, net income, dividend

payments, and net increase in surplus for each of the 13 companies. The upper part of the table gives the total for each item for all years for which the information was available during the period 1917-37. The lower part of the table gives for each company the annual averages of the net sales, net income, dividend payments, and net income remaining after the payment of dividends.

The information in table 6, including the information on which the succeeding tables of operating ratios are based, appears in greater detail for each company in appendix tables 1 to 13 and 1a to 13a, which summarize for each company the details of investments and costs and profits for each year during the period 1917-37.

TABLE 6.—Summary of net sales, net income, dividends, and net increase in surplus for all years within the period 1917-37, and the annual averages thereof for individual companies, functionally classified

					Dividends paid on	paid on-		;		
	Years	Net sales	Net income	Preferred stock in cash	Common stock in cash	Common steck in stock	Totai	Net in- come after dividends	Other net deduc- tions	Net in- crease in surplus
Manufacturers of cigarettes and other tobacco										
The American Tobacco Co.	1917-37.	10, 995,	\$505, 150, 172	101,	239,	757,	397,	752,	\$7,809,627	342,
R. J. Reynolds Tobacco Co.	1917-37	4, 735, 995, 263	500, 521, 996	10, 281, 250	384, 350, 000	80, 000, 000	474, 631, 250	25, 890, 746	1, 787, 453	24, 103, 293
P. Lorillard Co. Brown & Williamson Tobacco Co.	1929-37	96, 946,	88, 821, 144 10, 166, 720	10,49	579,	933	30,	191, 563,	10, 147, 666	5,43
pacco	1918-37	732,	9, 568, 290	34,	885,	1, 399, 500	118,	548,	579, 610	969,
Cigar manujacturers: General Cigar Co Inc	1917-37	959	334	9 497, 030	24		120	9 413 428	382 585	030
Consolidated Cigar Co.	1919-37	015,		11, 279, 136	61,		880,	7,041,189	4, 360, 012	861,
Bayuk Cigars, Inc.	1917-37.	229, 903, 074	13, 921, 284	3, 947, 732	2, 445, 439	358, 348	6, 751, 519	7, 169, 765	2, 161, 567	5,008,198
	1920	1		1	į,		0.00	, 4, 011, 004	Z00,008,1°	610
United States Tobacco Co	1917-37	902,	492,	307,	954,	9, 239, 620	502,	990	61,653,732	645,
George W. Heime Co.	1917-37	150, 699, 280	39, 207, 759	5, 581, 081	28, 820, 000	2,000,000	36, 764, 796	2, 573, 801	5 397, 853	2, 971, 654
Manufacturers of cigarettes and other tobacco										
Products: The American Tobacco Co	(9)	000	054	161	430		590	1 464 391		
Liggett & Myers Tobacco Co.	(E	780,	897,	1, 540, 715	367,	540, 131	448,	3, 448, 970	0 7 8 1 7 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2
R. J. Reynolds Tobacco Co.	€	523	834,	489, 583	302,		601,	1, 232, 892	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Brown & Williamson Tobacco Co.	<u> </u>	48, 417, 133	1,016,672	301,000	1, 172, 000	780, 087	1, 473, 000	3 456, 328	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 0 9 0 1 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
pacco	©	586,	478,	36, 709	144,	69, 975	250,	227, 471		
Cigar manufacturers: General Cigar Co., Inc.	9	331	492		1, 591, 631					
Consolidated Cigar Co.	(E)	895,		593, 638	476, 938	28, 421				
Bayuk Cigars, Inc. Porto Rican American Tobacco Co.	೯	10, 947, 765	52, 836		195, 704	17, 064	321, 500	341,417	5 6 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Snuff manufacturers:	>				1	P			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 1 1 1 1
United States Tobacco Co	e s	14, 471, 563	2, 594, 889	300, 368	1, 712, 129	439, 981	2, 452, 479	142, 409	1	1
George W. Helme Co.	<u> </u>	176,	873,		1, 372, 331	95, 238	1, 750, 748			0 1
	<u>}</u>				200 1000 10		400		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

1 Includes \$40,764,710 for goodwill and other intangibles written off...

1 Includes \$6,000,000 of dividends paid in 6 percent unscenred notes.

1 Denotes deficit.

1 Net addition.

1 Includes paid-in surplus through release of indebtedness of \$23,780,000 by stockholder? British-American Tobacco Co. 8 Net additions.

1 Annual average.

4 Includes paid-in surplus through release of indebtedness of \$23,780,000 by stockholder? British-American Tobacco Co. 8 Net additions.

4 Annual average.

Table 6 shows that American Tobacco Co., Liggett & Myers Tobacco Co., and R. J. Reynolds Tobacco Co. were also the largest from the standpoint of sales. During the 21 years, 1917-37, the sales of the Reynolds Co. were largest, amounting to nearly 4% billion dollars, followed by American Tobacco Co. with a little over 4 billion dollars, and Liggett & Myers with nearly 4 billion dollars of sales. It will be noted that in the order of profits, American Tobacco Co. was first with a little over one-half billion dollars, followed closely by the Reynolds Co. with almost the same amount and Liggett & Myers with one-third of a billion. These profits represent the net income after providing for all of the costs of doing business,

including provisions for Federal income and profits taxes.

American Tobacco Co. and R. J. Reynolds Tobacco Co. each paid out about the same amount in dividends during the period. American Tobacco Co. paid out a total of \$474,397,942 as compared with \$474,631,250 for the R. J. Reynolds Co. The total for Liggett & Myers was \$261,408,812. After taking into account other charges to surplus, the net increase in surplus during the period was \$22,942,603 for American Tobacco Co., \$29,165,235 for Liggett & Myers Tobacco Co., and \$24,103,293 for R. J. Reynolds Tobacco Co. These net increases, together with the amounts for dividends paid in common stock on common stock, reflect earnings retained in the business by each company in the amount of 885,699,739 for American Tobacco Co., \$40,507,985 for Liggett & Myers Tobacco Co., and \$104,103,293 for R. J. Reynolds Tobacco Co. The comparatively smaller amount for Liggett & Myers is accounted for by the fact that the company reduced the value at which it had been carrying goodwill and other intensible on its belonge that the literature of \$40,700,710 in 1990. tangibles on its balance sheet to \$1 by charges to surplus of \$40,709,710 in 1929 and \$55,000 in 1935.

The reinvested earnings contributed importantly to the growth of each of the three companies. During the period under review they amounted to nearly 80 percent of the net increase in capitalization of American Tobacco Co. and about 90 percent of the net increase for R. J. Reynolds Tobacco Co. For Liggett & Myers Tobacco Co. they amounted to nearly half the net increase before any adjustments for goodwill, appreciation, and other intangibles prior to the time they were written off by the company as explained above. Further details concerning invested capital, including earnings, for these and all other companies under review appear in appendix tables 1 to 13 and 1a to 13a.

Throughout the period under review, the annual sales of the three largest companies averaged 73 percent of the sales for all companies and 88 percent of

the combined sales of the manufacturers of cigarettes and other tobacco products. The relative importance of the various groups of manufacturers from the standpoint of sales is shown by the following tabulation which compares the sales for each group in 1937 with the average of the annual sales for the years 1917 to 1937

Ratios of sales

	Annual average 1917-37	Total 1937
Manufacturers of cigarettes and other tobacco products: Big Three. Little Three.	Percent 72. 97 15. 44	Percent 73, 93 18, 37
TotalCigar manufacturers	88. 41 8. 02 3. 57	92. 30 4. 74 2. 96
TotalCombined sales	\$830, 883, 994	\$1,063,327,917

It will be noted that there was comparatively little change in the relative proportions of the combined sales of the three largest companies in the two periods shown in the tabulation, but the 1937 proportion of the combined sales of the three smaller manufacturers of cigarettes and other tobacco products was somewhat higher than their proportion based on the average of the annual sales throughout The sales of all manufacturers of cigarettes and other tobacco products amounted to 92.3 percent of the total sales of all companies during the year 1937 as compared with 88.41 percent of the average of the annual sales for all of the companies throughout the years 1917–37. On the other hand the sales for each of the groups of cigar and snuff manufacturers were proportionately smaller in 1937 than for the entire period. The tabulation which follows presents a similar comparison for the individual companies within each group and shows the deviations of their relative proportions in 1937 from those based on the average of the annual sales throughout the period 1917-37.

Ratios of sales

	Annual aver- age 1917–37	Total 1937
Manufacturers of cigarettes and other tobacco products: American Tobacco Co	Percent 26. 00 25. 84 30. 70	Percent 24, 72 24, 50 30, 88
Total (Big Three) P. Lorillard Co. Brown & Williamson Tobacco Co. Axton-Fisher Tobacco Co.	9. 70 1 6. 59	80. 10 7. 74 10. 20 1. 96
Total	100.00	100.00
Combined sales	\$734, 590, 892	\$981, 506, 371
Cigar manufacturers: General Cigar Co., Inc. Consolidated Cigar Co. Bayuk Cigars, Inc. Porto Rican American Tobacco Co.	Percent 50. 04 25. 37 16. 44 48. 15	Percent 43. 10 21. 83 32. 48 2. 59
Total	100.00	100.00
Combined sales	\$66, 603, 201	\$50, 399, 958
Snuff manufacturers: United States Tobacco Co	Percent 48. 74 27. 09 24. 17	Percent 57, 21 24, 03 18, 76
Total	100.00	100.00
Combined sales	\$29, 689, 901	\$31, 421, 588

¹ Annual average 1928-37.

Annual average 1918-37.
Annual average 1919-37.

The average of the annual sales of the three largest companies amounted to \$606,303,987, which was equivalent to \$2½ percent of the average for all manufacturers of cigarettes and other tobacco products and about 73 percent of the average for all companies covered in the inquiry. The annual sales of the three companies averaged \$225,523,584 for R. J. Reynolds Tobacco Co., \$190,999,785 for American Tobacco Co., and \$189,780,618 for Liggett & Myers Tobacco Co. The following comparison gives the sales for these companies for each of the years 1917–37 and indicates the trends throughout the period. Such information for all manufacturers appears in appendix tables 1a to 13a.

Net sales

		·	
Year	R. J. Reynolds Tobacco Co.	American Tobacco Co.	Liggett & Myers Tobacco Co.
1917. 1918. 1919. 1920. 1921. 1922. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1929. 1930. 1931. 1931. 1932. 1933.	128, 496, 211 188, 115, 324 195, 312, 210 187, 730, 156 190, 68, 527 233, 516, 345 238, 745, 043 255, 986, 334 255, 986, 334 262, 257, 472 265, 999, 101 266, 591, 068 258, 077, 426 192, 714, 619 166, 344, 014 217, 616, 507	\$83, 636, 850 137, 854, 588 141, 639, 435 138, 530, 584 151, 103, 825 138, 961, 567 134, 202, 159 149, 208, 903 152, 088, 201 149, 446, 876 166, 068, 673 202, 233, 220 246, 688, 380 288, 167, 322 300, 962, 646 278, 215, 273 230, 317, 190 225, 646, 543 220, 254, 060	\$82, 897, 952 123, 698, 335 134, 697, 886 151, 503, 211 152, 072, 155 145, 051, 719 156, 100, 000 180, 475, 851 203, 113, 016 227, 703, 529 235, 722, 589 216, 188, 517 232, 936, 301 226, 558, 711 266, 741, 789 190, 726, 536 197, 935, 018 226, 123, 458 219, 732, 636
1936	289, 313, 165 302, 999, 161	232, 964, 682 242, 644, 515	234, 892, 347 240, 593, 431
Annual average	225, 523, 584	190, 999, 785	189, 780, 618

The comparative profits of these three companies and of others in relation to investment have been indicated. The relation of profits to sales is indicated in tables 7 and 8 which follow. These tables compare ratios of costs, expenses and profits to net sales, expressed in cents per dollar of net sales, for individual companies, functionally classified. Table 7 presents such information on the basis of total sales for each company during the years 1917–37, and table 8 presents the information on the basis of operations during the year 1937. These ratios have been computed from information contained in appendix tables 1a to 13a which give the details of income and expenses for each company for each year during 1917–37.

Table 7.—Comparison of ratios of costs, expenses, and profits to net sales for the years 1917-37, expressed in cents per dollar of net sales, for individual companies functionally classified

Company	Total net sales 1917-37	Operating costs and expenses		Other income net	Total income before interest and Fed- eral taxes	Interest on long- term debt	Provision for Fed- eral in- come and profits taxes	Net income
Manufacturers of cigarettes and other to- bacco products: The American To-	Amount	Cents	Cents	Cents	Cents	Cents	Cents	Cents
bacco Co Liggett & Myers Tobacco Co	\$4, 010, 995, 492 3, 985, 392, 987	87. 35 89. 69	12, 65 10, 31	1.90	14. 55 10. 64	0. 26	1.70 1.32	12, 59 8, 37
R. J. Reynolds To- bacco Co	4, 735, 995, 263	87.58	12. 42	.18	12. 60	, 04	1.99	10. 57
Total (Big Three). P. Lorillard Co	12, 732, 383, 742 1, 496, 946, 247	88. 17 91. 98	11. 83 8. 02	.77	12. 60 8. 74	1.83	1. 69 . 98	10. 52 5. 93
Brown & William- son Tobacco Co. ¹ Axton-Fisher To-	484, 171, 335	96, 08	3.92	1. 20	3.72	. 73	. 89	2. 10
baccoCo. 3	171, 732, 375	93.88	6, 12	. 29	6. 41		. 84	5. 57
Total—cigarette and tobacco manufacturers.	14, 885, 233, 699	88. 87	11. 13	, 72.	11.85	. 54	1.58	9. 73
Cigar manufacturers: General Cigar Co., Inc. Consolidated Cigar	699, 959, 347	91.08	8. 92	. 26	9. 18	. 45	1. 25	7. 48
Co.4	321, 015, 895 229, 903, 074	87. 40 92. 36	12.60 7.64	² 2. 41 ² . 34	10. 19 7. 30	.35	1. 14 1. 18	8. 70 6. 05
ican Tobacco Co.	97, 712, 404	99. 61	.39	5. 62	6. 01	4.90	. 14	. 97
Total	1, 348, 590, 720	91.04	8, 96	2.09	8. 87	. 69	1. 13	7.05
Snuff manufacturers; United States To- bacco Co American Snuff Co.	303, 902, 835 168, 885, 836	81. 45 79. 45	18. 55 20. 55	2. 68 6. 74	21. 23 27. 29		3.30 4.07	17. 93 23. 22
George W. Helme	150, 699, 289	73.96	26. 04	4. 62	30. 66		4. 56	26. 10
Total	623, 487, 960	79. 10	20.90	4, 25	25. 15		3. 81	21.34

¹ Includes years 1928-37. ² Denotes loss. ² Includes years 1918-37. ⁴ Includes year 1919-37. ⁵ Includes years 1920-37.

Table 8.—Comparison of ratios of costs, expenses, and profits to net sales for the year 1937, expressed in cents per dollar of net sales, for individual companies functionally classified

Manufacturers of cigarettes and other to-bacco products: The American To-bacco Co									
rettes and other to- bacco products: The American To- bacco Co	Company		costs and	profit	income	income before interest and Fed- eral	on long- term	for Fed- eral in- come and profits	Net income
The American To- bacco Co	rettes and other to-								
Tobacco Co	The American To-								Cents 10, 98
bacco Co	Tobacco Co	240, 503. 431	89.77	10. 23	. 76	10.99	. 55	1.55	8. 89
P. Loriflard Co 75, 962, 586 95.83 4.17 .27 4.44 .93 .50 Brown & Williamson Tobacco Co 100, 141, 863 95.34 4.66 1.59 4.07 .54 .64 Axton-Fisher Tobacco Co 19, 254, 815 98.84 1.16 .09 1.2501 Total cigarette and tobacco manufacturers. 981, 506, 371 90.28 9.72 .40 10.12 .34 1.47 Cigar manufacturers:		302, 999, 161	88, 85	11. 15	1.06	11.09		1.78	9. 31
Son Tobacco Co Axton-Fisher Tobacco Co 100, 141, 863 95.34 4.66 1.59 4.07 .54 .64 Total cigarette and tobacco manufacturers. 981, 506, 371 90.28 9.72 .40 10.12 .34 1.47	P. Lorillard Co								9.70 3.01
bacco Co 19, 254, 815 98.84 1.16 .09 1.2501 Total cigarette and tobacco manufacturers. 981, 506, 371 90.28 9.72 .40 10.12 .34 1.47 Cigar manufacturers:	son Tobacco Co	100, 141, 863	95. 34	4. 66	1, 59	4.07	. 54	. 64	2.89
and tobacco manufacturers. 981, 506, 371 90. 28 9. 72 . 40 10. 12 . 34 1. 47 Cigar manufacturers:		19, 254, 815	98. 84	1.16	. 09	1. 25		. 01	1, 24
	and tobacco	981, 506, 371	90. 28	9.72	. 40	10.12	. 34	1. 47	8.31
Inc	General Cigar Co., Inc.	21, 723, 667	91. 35	8. 65	. 34	8. 99		1. 29	7. 70
Co	Co				1.00				8. 11 6. 02
ican Tobacco Co. 1, 302, 624 114. 34 14. 34 5. 40 18. 94 16. 53		1, 302, 624	114.34	1 14. 34	5. 40	1 8.94	16. 53		1 25. 47
Total	Total	50, 399, 958	91.81	8. 19	. 15	8.34	. 43	1.52	6. 39
Snuff manufacturers: United States To-	United States To-	45 050 51	00.00	10.42	0.00	00.00		2.51	10.00
American Snuff Co. 7, 550, 634 82, 80 17, 20 7, 55 24, 75 17, 20	AmericanSnuff Co.								19. 26 7. 55
George W. Helme Co		5, 894, 740	74. 29	25. 71	7. 20	32.91		4. 44	28. 47
Total	Total	31, 421, 588	79. 95	20.05	4. 83	24.88		3.39	21. 49

¹ Denotes loss.

Tables 7 and 8 show that the ratios of costs, expenses, and profits to net sales were substantially the same in 1937 as for the entire period 1917-37. The significant ratios, expressed in cents per dollar of net sales, for the various groups for each period are summarized as follows:

Ratios to sales

	Operating costs and expenses	Profits applicable to total investment 1	Net in- come ²	
	A	Average, 1917-37		
Manufacturers of cigarettes and other tobacco products: Big Three. All companies * Cigar manufacturers * Snuff manufacturers *	Cents 88. 17 88. 87 91. 04 79. 10	Cents 12. 60 11. 85 8. 87 25. 15	Cents 10. 52 9. 73 7. 05 21. 34	
		Year 1937		
Manufacturers of cigarettes and other tobacco products: Big Three All companies ³ Cigar manufacturers ⁴ Snuff manufacturers ⁴	88. 89 90. 28 91. 81 79. 95	11. 66 10. 12 8. 34 24. 88	9. 70 8. 31 6. 39 21. 49	

Before provision for interest payments on long-term debt and Federal income and profits taxes.
After provision for interest on long-term debt and Federal income and profits taxes.

³ 6 companies.

4 4 companies. 3 3 companies.

As shown above, the margins of profits in relation to sales were outstanding for the snuff manufacturers. Throughout the period under review their margin of net income of 21 cents out of every dollar of net sales was twice that of the three largest manufacturers of cigarettes and other tobacco products as a group and three times that of the cigar manufacturers. However, despite this showing in comparison with the margins for the other groups, their profits in relation to investment were somewhat smaller than those of the cigarette companies but nearly twice those of the cigar companies and indicates that the volume of business done per dollar of investment was much lower than for the other groups.

The relationship of the above factors is interestingly brought out in the following tabulation which shows for each group the total investment, sales, ratio of sales to investment, or capital turn-over, and the manner in which the profits per dollar of net sales applicable to the total investment is related, through the turn-over, to ratio of return on the investment. The upper part of the tabulation gives the information on the basis of the average of the annual investment and sales for 1917-37, and the lower part of the table gives the information for the year 1937

alone.

	Total investment	Net sales	Rate of capital turn- over in terms of sales	Profit per dollar of sales appli- cable to total invest- ment	Rate of return on invest- ment	
	Average, 1917-37					
Manufacturers of cigarettes and other tobacco products: Big Three All companies ¹ . Cigar manufacturers ³ . Snuff manufacturers ³ .	\$406, 136, 489 490, 147, 166 63, 389, 990 44, 763, 571	\$606, 303, 987 734, 590, 892 66, 603, 201 29, 689, 901	Times 1.49 1.50 1.05 .66	Cents 12, 60 11, 85 8, 87 25, 15	Percent 18. 81 17. 34 9. 32 16. 68	
:0		. Ye	ar 1937			
Manufacturers of cigarettes and other tobacco products: Big Three All companies 1. Cigar manufacturers. Snuff manufacturers.		786, 147, 107 981, 506, 371 50, 399, 958 31, 421, 588	1, 56 1, 61 . 73 . 54	11. 66 10. 12 8. 34 24. 88	18. 17 16. 29 6. 12 13. 46	

¹⁶ companies.

² 4 companies.

³ 3 companies.

The capital turn-over reflects the time required for the sales to equal the investment. On the average, the sales of the three largest companies as a group equaled the amount of their investment about once every 8 months as compared with once every 11 months for the eigar companies and once every 18 months for the snuff companies. The tabulation shows the influence of the rapidity of turn-over on the rates of return on investment when related to margins of profits on sales. For example, twice the margin of profit was required for the slower moving products of the snuff companies than for the three largest companies in order to produce comparable rates of return on investment.

Salaries and Other Compensation Paid to Corporation Officers and Directors

Information concerning salaries and other compensation paid to the principal officers of important tobacco manufacturers was obtained from annual reports of the companies on file with the Securities and Exchange Commission. Such information was obtained for the years 1935 to 1938, inclusive, with regard to American Tobacco Co., Liggett & Myers Tobacco Co., R. J. Reynolds Tobacco Co., P. Lorillard Co., Axton-Fisher Co., General Cigar Co., Inc., Porto Rican American Tobacco Co., Consolidated Cigar Co., Bayuk Cigars, Inc., United States Tobacco Co., American Snuff Co., and George W. Helme Co.

Table 9, which follows, shows for each company for each of the years 1935-38 the total salaries and other compensation paid to officers and directors, the number of officers and directors, and the average compensation per officer and director.

Table 9.—Total salaries and other compensation paid to officers and directors of principal tobacco processors, 1935-38

	Manufac	cturers of cigs	arettes and o	ther tobacco	products
-	American Tohacco Co	Liggett & Myers Tobacco Co.	R. J. Reynolds Tobacco Co.	P. Loril- lard Co.	Axton- Fisher Tobaccc Co.
Total salaries and other compensation: 1935	\$1, 020, 776 1, 123, 189 1, 409, 863 1, 378, 606	\$539, 645 709, 017 704, 971 682, 638	\$299, 499 300, 999 304, 749 326, 000	\$306, 926 275, 000 279, 918 245, 353	\$38, 448 61, 440 49, 115 85, 393
Annual average Number of officers and directors: 1935 1936 1937 1938	1, 233, 108 19 19 17 17	659, 067 12 12 12 12 12	307, 811 12 12 12 12 12	276, 799 16 14 14 14	58, 599 7 11 7 9
Average compensation per officer and director: 1935	53, 725 59, 115 82, 933 81, 094	41, 970 59, 084 58, 747 56, 886	24, 958 25, 083 25, 395 27, 166	19, 182 19, 642 19, 994 17, 525	5, 492 5, 585 7, 016 9, 488
Annual average (weighted)	68, 506	54, 922	25, 651	19, 090	6, 894

Table 9 .- Total salaries and other compensation paid to officers and directors of principal tobacco processors, 1935-38—Continued

		Cigar man	ufacturers		-Snu	ff manufacti	arers
	General Cigar Co.	Porto Rican American Tobacco	·Consoli- Cigar Corpora- tion Co.	Bayuk Cigars, Inc.	United States Tobacco Co.	American Snuff Co.	George W. Helme Co
Total salaries and other compensation: 1935 1936 1937 1938	\$236, 576 190, 756 131, 029 130, 630	\$124, 279 80, 000 80, 000 89, 836	\$167, 906 154, 474 129, 789 135, 420	\$143, 481 185, 962 189, 106 199, 973	\$358, 202 448, 928 348, 284 343, 308	\$213, 820 209, 282 222, 000 260, 320	\$194, 311 185, 575 167, 314 175, 911
Annual average Number of officers and directors: 1935	172, 247 : 11 11 11 10	93, 528 10 8 8 8	146, 897 12 13 13 13	179, 630 12 11 11 10	374, 680 11 11 11 11	226, 355 10 10 10 10 15	180, 777 9 9 9 9
Average compensation per officer and direc- tor: 1935 1936 1937 1938		12, 427 10, 000 10, 000 7, 486	13, 992 11, 882 9, 983 10, 417	11, 956 16, 907 17, 191 19, 997	32, 563 40, 811 31, 662 31, 209	21, 382 20, 928 22, 200 17, 534	21, 590 20, 916 18, 590 19, 545
Annual average (weighted)	16, 023	9,845	11, 521	16, 330	34, 062	20, 120	20, 086

Table 9 shows that for the three largest companies the average aggregate remuneration to the officers and directors of American Tobacco Co. of \$1,233,108 during the 4 years 1935–38 was nearly twice the average amount paid by Liggett & Myers Tobacco Co., and about four times the amount paid by R. J. Reynolds Tobacco Co. In terms of total compensation per officer and director, the average amount paid by these companies was \$68,506 for American Tobacco Co., \$54,922 by Liggett & Myers, and \$25,651 by the Reynolds Co. It will be noted that the average total compensation per officer and director of each of these companies was larger than for any of the other companies shown in the table.

It has been explained that each of the three largest companies are of about the same relative importance and size, and during the year 1937 their combined sales amounted to 74 percent of the total sales of all companies covered in the inquiry. It was also pointed out that the average rate of profit on total investment for each company during the years 1917–37 was 23.05 percent for R. J. Reynolds Tobacco Co., 17.16 percent for American Tobacco Co., and 16.7 percent for Liggett & Myers Tobacco Co. The following additional comparison is therefore significant with regard to the total compensation paid by each of these companies to its highestpaid officer during each of the years 1935-38:

Total salaries and other compensation

Year	President,1 American Tobacco Co.	President, ² Llggett & Myers To- bacco Co.	Chairman 3 of the hoard, R. J. Reynolds Tobacco Co.
1935	\$212, 199	\$74, 340	\$60,000
1936	246, 173	95, 705	60,000
1937	380, 976	90, 378	70,000
1938	331, 348	87, 173	100,000
Average	292, 674	86, 899	72,500

George W. Hill.
 C. W. Toms for 1935, and J. W. Andrewa thereafter
 S. Clay Williams.

The payments shown above for George W. Hill, president of American Tobacco Co., while large, do not compare with the compensation he received from the company in some of the earlier years. For instance, in 1929, he received \$605,613; in 1930, \$1,010,567; and in 1931, \$1,051,630. The huge salaries and bonuses received by Mr. Hill and other officers of the company, together with other emoluments received by them under an "employees' stock subscription plan" gave rise to a series of stockholders' suits as explained hereinafter.

The files of the Securities and Exchange Commission, from which the salary data for the years 1935-38 were obtained, did not give the segregation of the total remuneration paid to all of the officers and directors of the various companies as between salaries and other compensation. However, such a segregation was

The files of the Securities and Exchange Commission, from which the salary data for the years 1935-38 were obtained, did not give the segregation of the total remuneration paid to all of the officers and directors of the various companies as between salaries and other compensation. However, such a segregation was available in some instances for each person among the officers and directors receiving one of the three largest aggregate amounts of remuneration. Tables 10 to 21, which follow, show for each officer and director of each company for which the information was available the salaries and other compensation paid during the years 1935-38.

Table 10.—Salaries and other compensation paid to principal officers of the American Tobacco Co., 1935-38

Name and position	1935	1936	1937	1938
George W. Hill, president:	\$120,000	\$120,000	\$120,000	\$120,000
SalaryOther compensation	92, 199	126, 173	260, 976	211, 348
Total	212, 199	246, 173	380, 976	331, 348
Thomas Taylor, vice president and auditor: Salary Other compensation	50, 000 55, 669			
Total				
Charles F. Neiley, vice president: SalaryOther compensation	50, 000 55, 369	50, 000 75, 692	50, 000 156, 585	
Total	105, 369	125, 692	206, 585	
Paul M. Hahn, vice president: Salary Other compensation		50, 000 75, 742	50, 000 156, 585	50, 000 126, 859
Total		125, 742	206, 585	176, 859
Vincent Riggio, vice president: SalaryOther compensation				50, 000 126, 809
Total				176, 809

Resigned June 17, 1936.

Table 11.—Salaries and other compensation paid to principal officers Liggett & Myers Tobacco Co., 1935-38

Name and position	1935	1936	1937	1938
C. W. Toms, president: Salary	\$35,000			<u>-</u>
Other compensation	39, 340	\$44, 914		
Total	74, 340	44, 911		
J. W. Andrews, vice president: ² Salary Other compensation	25, 000 39, 340	28, 333 67, 372	\$35, 000 55, 378	\$35, 000 52, 173
Total	64, 340	95, 705	90, 378	87, 173
W. D. Carmichael, vlœ president: Salary Other compensation	25, 000 39, 340	25, 000 67, 372	25, 000 55, 378	25, 000 52, 173
Total	64, 340	92, 372	80, 378	77, 173

Deceased.

² Became president in 1936.

Table 11.—Salaries and other compensation paid to principal officers Liggett & Myers Tobacco Co., 1935-38.—Continued

Name and position	1935	1936	1937	1938
W. W. Flowers, vice president: 3	205 000			
SalaryOther compensation	\$25, 000 39, 340	\$44,914		
Total	64, 340	44, 914		
E. H. Thurston, vice president:	25, 000	25,000	\$25,000	\$25,00
SalaryOther compensation	39, 340	67, 372	55, 378	52, 17
Total	64, 340	92, 372	80, 378	77, 17
(1. W. Whitaker, vice president:	25,000	25, 000	25, 000	25, 00
Salary Other compensation	39, 340	67, 372	55, 378	52, 17
Total	64, 340	92, 372	80, 378	77, 17
Ben Carroll, vice president and treasurer; 4			25, 000	25, 00
SalaryOther compensation		30, 457	55, 378	52, 17
Total		30, 457	80, 378	77, 17
B. F. Few, vice president:			25, 000	25, 00
SalaryOther compensation			55, 378	52, 17
Total			80, 378	77, 17

Table 12.—Total compensation paid to principal officers, R. J. Reynolds Tobacco Co., 1935-38

Name and position	1935	1936	1937	1938
S. Clay Williams, chairman of board Jas. A. Gray, president T. H. Kirk, vice president ¹ J. W. Glenn, vice president	\$60, 000 50, 000 35, 000	\$60,000 50,000 35,000	\$70, 000 50, 000 23, 750	\$100,000 50,000 25,000

¹ Deceased.

Table 13. Total compensation paid to principal officers of P. Lorillard Co., Inc., 1935-38

Name and position	1935	1936	1937	1938
Benjamin L. Belt, president ¹ . D. H. Ball, vice president ² . Everett Meyer, vice president ³ G. H. Hammell, vice president E. J. Bush, vice president and comptroller	\$50,000 30,000 52,500	\$50, 000 30, 000 30, 000	\$37, 500 30, 000 27, 500	\$30, 000 30, 000 30, 000

 $^{^1}$ Mr. Belt died Sept. 15, 1937, and in accordance with the custom of the company it paid his widow \$25,000. 2 Elected president, 1938. 3 Resigned, 1935.

³ Became chairman of the board in 1936.
⁴ Was vice president in 1936 and became vice president and treasurer in 1937.

Table 14.—Total compensation paid to principal officers of Axton-Fisher Totacco Co., 1935-38

Name and position	1935	1936	1937	1938
E. D. Axton, president and secretary and treasurer E. J. Helck, vice president R. L. Axton, sales manager M. Amando, vice president E. G. Weymouth, vice president C. Palmer Parker, treasurer	\$8, 625	\$13, 421	\$12,000	\$22, 131
	5, 750	13, 421	12,000	22, 131
	5, 750	13, 013	12,000	22, 131

Table 15:—Total compensation paid to principal officers of General Cigar Co., 1935-38

Name and position	1935	1936	1937	1938
Fred Hirchhorn, president ¹ William Best, vice president . Bernhardt G. Meyer, vice president ² Milton H. Esberg, vice president . Richard C. Bondy, Jr., vice president	\$75, 182	\$59, 879	\$22, 738	\$20,000
	37, 591	29, 939	23, 452	24,000
	37, 591	29, 939	26, 904	28,000
	37, 591	29, 939	23, 452	24,000
	36, 935	29, 939	23, 452	24,000

Became chairman of board, 1937.
 Became president, 1937.

Table 16.—Total compensation paid to principal officers of Porto Rican American Tobacco Co., 1935-38

Name and position	1935	1936	1937	1938
W. E. Waterman, chairman, board of directors. J. M. Porter, president. C. H. Knapp, vice president. T. C. Breen, president i D. A. Jenks, vice president.	\$31, 666	\$25, 000	\$25, 000	\$12, 797
	40, 000	25, 000	25, 000	20, 850
	18, 000	16, 000	16, 000	17, 416

¹ Became president, 1938.

Table 17.—Total compensation paid to principal officers of Consolidated Cigar Corporation, 1935-38

Name and position 1935	1936	1937	1938
Julius Lichte stein, president. \$90,000 Frank P. Will, executive vice president. 32,000 Louis Cabn, vice president and secretary 13,500 Duncan Cameron Menzies, general sales manager Alfred M. Silverman, treasurer.	29,000	\$60, 000 28, 000 26, 666	\$60,000 28,000

Table 18.—Total compensation paid to principal officers of Bayuk Cigars, Inc., 1935-38

Name and position	1935	1936	1937	1938
Harry S. Rothchild, president Samuel Bayuk, chairman, board of directors Harry P. Wurman, vice president A. Joseph Newman, vice president Harry C. Carr, vice president	\$36, 120	\$50, 448	\$46, 032	\$55, 125
	22, 153	36, 161	38, 053	56, 407
	21, 578	31, 870	32, 120	34, 915

Table 19.—Salaries and other compensation paid to principal officers of United States Tobacco Co., 1935–38

Name and position	1935	1936	1937	1938
John M. Devoe, president: Salary. Other compensation.	\$35,000 30,463	\$35, 000 47, 246	\$35, 000 32, 839	\$35,000 31,349
Total	65, 463	82, 246	67, 839	66, 349
J. W. Peterson, vice president: Salary	1 39, 564	10, 000	11, 696	12, 412
Other compensation		45, 852	31, 841	30, 424
Tota	39, 564	55, 852	43, 537	42, 836
C. C. Hank, vice president: Salary Other compensation	1 41, 824	20, 500 33, 072	1 43, 496	1 42, 424
Total	41, 824	53, 572	43, 496	42, 424

¹ No segregation between salaries and other compensation.

Table 20.—Total compensation paid to principal officers of American Snuff Co., 1935-38

Name and position	1935	1936	1937	1938
Martin J. Condon, president. W. C. Hunt, vice president. F. N. Smith, vice president. James E. Harwood, assistant manager. Gilbert B. Wilson, Jr., department manager. Joseph Trinner, Jr., department manager. M. E. Finch, vice president. J. G. Brown, assistant auditor.	\$54, 080	\$51, 070	\$50,000	\$51, 297
	29, 080	26, 070	25,000	26, 297
	29, 080	26, 070	9,000	8, 900
	7, 500	9, 000	8,350	8, 900
	8, 350	8, 350	8,350	31, 297
	8, 350	8, 350	40,000	8, 020

Table 21.—Total compensation paid to principal officers of George W. Helme Co., 1935-38

Name and position	1935	1936	1937	1938
John C. Flynn, president C. W. Bumstead, president and vice president L. A. Bengert, vice president and treasurer C. A. Jenny, vice president	\$56, 705	\$60, 858	\$50, 323	\$54, 755
	45, 102	36, 929	31, 661	33, 877
	41, 602	31, 929	26, 661	26, 878

¹ Became president, 1937.

STOCKHOLDER'S SUITS AGAINST AMERICAN TOBACCO CO., ITS PRESIDENT, GEORGE W. Hill, and Others

In 1931 Richard Reid Rogers, a stockholder, instituted a series of suits protesting the huge bonuses paid to George W. Hill and other officers of American Tobacco Co. and to a plan which had been initiated by them for the allotment of stock to them and other worthy employees, as determined by the president, under

an "Employees' stock-subscription plan."

The stockholder complained that for many years the officers of the company had received large annual fixed salaries as well as large annual cash profit-sharing bonuses paid under a bylaw of the company adopted in 1912. The stockholder maintained that the bylaw was invalid and that even if valid the amounts paid in accordance with its provisions were unreasonably large and therefore subject to revision by the courts. He contended that the courts should determine the fair and reasonable compensation of each of the individual defendants for the years 1921–30, and that each be compelled to account for and pay over to the company any amounts received in excess of fair and reasonable compensation.

Rogers also sought to restrain the company from issuing stock pursuant to the employees' stock subscription plan. This plan was adopted at a stockholders' meeting on July 30, 1930; and the resolution of the board of directors recommend-

ing a reduction in the par value of the common stock from \$50 per share to \$20

per share was also adopted.

Under the stock-subscription plan, 56,712 shares of unissued common stock B of the corporation were distributed in accordance with the recommendations made by the president of the company. Of this number 32,370, or nearly 60 percent of the total, were allotted to the officers and directors, of which 13,440 shares, or 24 percent of the total, were allotted to the president. The remaining 24,342 shares were allotted in relatively small amounts to 525 employees. The subscription price was the par value of the stock, \$25 a share. On January 28, 1931, when the allotment of stock was made, its market price was \$112 per share, more than four times the subscription price. It was then paying and has since paid dividends at the annual rate of \$5 per share, sufficient to pay the subscription price in 5 years. Valuing the subscription privilege by the difference between the subscription price and the market value of the shares, the president received by the allotment \$1,169,280 in addition to his annual compensation of more than a million dollars. The stock subscription rights awarded the five vice presidents of the company, similarly valued, amounted to \$1,451,595.7

The stockholder's suits were carried to the Supreme Court of the United States.

The stockholder's suits were carried to the Supreme Court of the United States. In the case of *Rogers* v. *Hill et al.*, with regard to the validity of the bylaw under which a percentage of the profits were paid as a bonus to officers of the company,

the Supreme Court of the United States held (289 U.S. 591, 592):

While the amounts produced by the application of the prescribed percentages give rise to no inference of actual or constructive fraud, the payments under the bylaw have by reason of increase of profits become so large as to warrant investigation in equity in the interest of the company. Much weight is to be given to the action of the stockholders, and the bylaw is supported by the presumption of regularity and continuity. But the rule prescribed by it cannot, against the protest of a shareholder, be used to justify payments of sums as salaries so large as in substance and effect to amount to spoilation or waste of corporate property. The dissenting opinion of Judge Swan indicates the applicable rule: "If a bonus payment has no relation to the value of services for which it is given, it is in reality a gift in part and the majority stockholders have no power to give away corporate property against the protest of the minority." * * * The facts alleged by plaintiff are sufficient to require that the district court, upon a consideration of all the relevant facts brought forward by the parties, determine whether and to what extent payments to the individual defendant under the bylaw constitute misuse and waste of the money of the corporation * * * and waste of the money of the corporation.

The decree of the circuit court of appeals is reversed, the decree of the district court dismissing the bills on the merits is vacated, and the case is remanded to the district court with directions to reinstate its decree granting injunction pendente

lite and for further proceedings in conformity with this opinion.

In the case of Rogers v. Guaranty Trust Company of New York, et al., Trustees, the stockholder sought to enjoin the defendants from carrying out the employees' stock subscription plan and having the transaction declared void and canceled and restitution made to American Tobacco Co. The district court of New York dismissed the complaint without prejudice on the grounds that it did not have jurisdiction since American Tobacco Co. was a New Jersey corporation doing business in that State (60 Fed., 2d. 106). On appeal it appears that the circuit court of appeals decided the case on its merits and said the bill of complaint was properly dismissed by the district court (60 Fed., 2d, 114). The Supreme Court of the United States reversed the circuit court of appeals so far as its judgment on the merits of the case was concerned and affirmed the judgment of the district court that it was without jurisdiction. The Supreme Court of the United States held (288 U. S. 133):

"* * * As the circuit court of appeals considered and decided the merits of the case, its judgment is reversed, the judgment of the district court entered upon its mandate is vacated and the case will be remanded to the district court with directions to reinstate the earlier judgment dismissing the bills of complaint

without prejudice."

According to the New York Times of July 14, 1933, litigation over the bonuses and stock allotments ended on July 13 when compromise settlements were reached. Under the settlements, it was stated that the allotment of 27,500 shares of the American Tobacco Co.'s stock to officers and employees was to be rescinded and the profit-sharing plan under which bonuses had been paid to the officers was to

⁷ Dissenting opinion of Mr. Ju tice Stone in Rogers v. Juarantee Trust Company, et al., United States Reports, vol. 288, p. 133.

be modified. This modification provided for a graduated scaling down of the

bonuses based on profits in the future.

Former Judge Martin T. Manton, who wrote the decisions by the circuit court of appeals favoring the company and its officers in these suits, was convicted in June 1939 of the charge of conspiracy to sell justice and was sentenced to 2 years in jail and fined \$10,000. According to the press, Manton testified that while the suits were pending in his court hs approached Louis Sampter Levy, formerly of the law firm of Chadbourne, Stanchfield & Levy, counsel for the tobacco company in the suits, for a loan of \$25,000 and subsequently received the better part of a loan in 10 times that amount from Lord & Thomas, advertising agents for American Tobacco Co., through James J Sullivan, an associate of Manton's in certain business ventures.

These revelations led to disbarment proceedings against Levy and Paul M. Hahn, attorney and vice president of American Tobacco, who it is stated arranged for the loan to Manton. It was also stated in the press that Albert D. Lasker, president of Lord & Thomas, declared that he provided the \$250,000 for the loan at the request of Levy and Hahn, unaware of the true nature of the loan and with the understanding that it would be repaid by American Tobacco Co. The loan was never repaid according to a statement of John T. Cahill, United States prose-

cuting attorney.

In the disbarment proceedings it appears that Hahn testified that American Tobacco Co. spent almost \$1,000,000 in settlement of the stockholder's suits against the company. He explained that \$263,000 was paid by the company to Mr. Rogers, who brought the suits, and an additional \$262,601 was placed in escrow by the company to cover his income tax, and that \$320,000 was paid to the firm of Chadbourne, Stanchfield & Levy, counsel for the company.

APPENDIXES

APPENDIX TABLE 1.—Summary investments, profits, and rates of return for the American Tobacco Co., 1917-37

	0161	1917	1918	1919	1920	1921	1922	. 1923	1924	1925	1926	1927
Capital stock: 1. Preferred. 2. Common.	\$52, 699, 700 40, 242, 400	, 700 \$52, 699, 700 , 400 40, 242, 400	\$52, 699, 700 40, 242, 400	\$52, 699, 700 40, 242, 400	\$52, 699, 700 89, 542, 600	52,	699, 700 \$52, 689, 700 \$52, 689, 700 586, 600 89, 589, 611, 800	\$52, 699, 700 97, 611, 800	\$52, 699, 700 97, 630, 950	\$52, 699, 700 97, 639, 600	552, 699 97, 641	, 700 \$52, 699, 700 , 500 97, 644, 200
3. Surplus—earned and capital 5. Surplus and contingency reserves	92, 942, 100 37, 081, 533 2, 373, 682	92, 942, 100 39, 181, 756 2, 188, 164	92, 942, 100 44, 584, 333 2, 220, 641	92, 942, 100 49, 346, 443 2, 074, 253	142, 242, 300 14, 655, 900 3, 463, 754	42, 286 14, 749 3, 539	, 300 142, 288, 700 1, 667 19, 670, 407 3, 017, 962	22, 845, 869 3, 060, 076	150, 330, 650 28, 266, 081 2, 573, 707	150, 339, 300 31, 233, 096 789, 786	150, 341, 200 34, 948, 276 2, 753, 451	150, 343, 900 39, 421, 241 3, 875, 678
6. Reserve for regeral income and pro- fits taxes	214,	005,	7, 175, 469	2, 386, 791	1,826,	3, 526,	2, 901, 381	104,	2, 687,	2, 895, 886	3, 198, 140	3, 172, 422
7. Capital stock and surplus Less: 8. Treasury stock at cust-com-	132, 612, 047	135, 314, 831	831 146, 922, 543 146, 749,	140, 749, 587	162, 188,	555 104, 101, 549	549 107, 878, 400 179,	179, 322, 231	155, 857, 521	133, 238, 003	131, 241, 004	164
9, Goodwill, appreciation, and other intangibles.	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430	54, 099, 430
10. Stockholders' investment	78, 512, 617 2, 126, 100	81, 215, 401 2, 069, 500	92, 823, 113 34, 388, 334	92, 650, 157 33, 487, 248	108, 088, 905 23, 586, 321	110, 002, 419 22, 958, 330	13, 779, 020 9, 744, 274	125, 222, 851 1, 432, 074	129, 758, 091 1, 345, 224	131, 158, 638 1, 265, 174	137, 141, 63. 1, 165, 32	142, 549, 598 1, 137, 024
Total investment	80, 638, 717	83, 284, 901 81, 961, 809	127, 211, 447 105, 248, 174	126, 137, 405 131, 126, 674, 426 128,	675	, 226 132, 960, 749 123, 8 , 316 132, 317, 988 128, 2	523, 294 242, 022	, 294 126, 654, 925 , 022 125, 089, 110	126, 654, 925 131, 103, 315 125, 089, 110 128, 879, 120	132, 423, 812 138, 131, 763, 564 135,	306, 961 365, 387	143, 686, 622 140, 996, 792
Average of stockholders'		79, 864, 009	87, 019, 257	92, 736, 635	100, 369, 531	92, 736, 635 100, 369, 531 109, 045, 662 111, 890, 720	111, 890, 720	119,	500, 936 127, 490, 471	471 130, 458, 365	365 134, 150, 138 139, 845, 618	139, 845, 618
15. A verage of common-stock holders equity 2. Net income before deducting Fed-		27, 164, 309	34, 319, 557	40, 036, 935	47, 669, 831	56, 345, 962	59, 191, 020	66, 801, 236	74, 790, 771	77, 758, 665	81, 450, 438	87, 145, 918
eral income and profits taxes: 16. 'Applicable to total investment.	1 2 6 9 0 1 1 1 5	14, 436, 425	24, 108, 506	19, 773, 677	19, 253, 092	22, 408, 163	22, 155, 805	20, 101, 120	22, 549, 547	24, 617, 213	25, 385, 623	26, 026, 781
	9 9 9 1 1 3 9	14, 327, 086	23, 413, 039	17, 772, 572	17, 620, 548	21, 063, 716	21,069,731	20, 074, 166	22, 494, 723	24, 567, 535	25, 336, 177	25, 917, 894
18. Applicative to common-stock holders equity.	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11, 165, 104	20, 251, 057	14, 610, 590	14, 458, 566	17, 901, 734	17, 907, 749	16, 912, 184	19, 332, 741	21, 405, 553	22, 174, 195	22, 812, 912
(16-13) Terutin on total investment (16-13) Detroit	1	17.61	22.91	15.61	14.94	16.94	17. 28	16.07	17.50	18. 68	18.75	18 46
ment (17+14)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17.94	26.91	19.16	17.56	19.32	18.83	16.80	17.64	18.83	18.89	18. 57
Aguity (18+15)percent	1	41.10	59. 01	36, 49	30. 33	31.77	30, 25	25.32	25.85	27.53	27. 22	26. 18

Annual	# # # # # # # # # # # # # # # # # # #		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$161, 891, 100 152, 441, 580 99, 741, 880	27, 788, 342 27, 303, 591 24, 141, 609	17.16	17.91	24. 20
1937	552, 699. 000 118, 596, 500	171, 296, 200 60, 024, 136 257, 355 5, 041, 534	236, 619, 225	10, 922, 297	54, 099, 430 171, 597, 498 20, 946, 355	192, 543, 853	193, 613, 078 171, 777, 598 119, 077, 898	31, 663, 822 30, 922, 600 27, 760, 618	16.35	18.00	23.31
1936	552, 699, 700 118, 596, 200	900 812 796 235	235, 500, 743	9, 443, 615	54, 099, 430 171, 957, 698 22, 724, 604	194, 682, 302	99, 075, 151 75, 533, 627 22, 833, 927	24, 290, 917 23, 576, 368 20, 414, 386	12, 20	13, 43	16.62
1935	552, 699, 700 (18, 596, 100)	171, 295, 800 65, 557, 385 248, 120 3, 588, 499 4, 027,	240, 689, 804	7, 480, 819	54, 099, 430 179, 109, 555 171, 957, 698 1 24, 358, 445 22, 724, 604	903, 468, 000	214, 284, 524 (01, 619, 927 (48, 920, 227	27, 702, 897 27, 071, 286 23, 909, 304	12.93	13, 43	16.06
1934	52, 699, 700 8 18, 595, 975	71, 295, 675 05, 251, 117 61, 000 3, 838, 967	280, 446, 759 240, 689, 804 235, 500, 743 236, 619, 225	2, 217, 030	299 749	914 226, 604, 852 225, 101, 048 203, 468, 000 194, 682, 302	25, 852, 950 24, 867, 431 72, 167, 731	27, 575, 249 27, 499, 704 24, 337, 722	12 21	12. 23	14.14
1933	52, 699, 700 \$ 18, 595, 775 1	71, 295, 475 08, 627, 695 66, 656 2, 539, 204	82, 529, 030 2	2, 825, 037	25, 604, 563 2 1, 000, 289	26, 604, 852 2	34, 313, 383 2 33, 314, 802 2 80, 615, 102 1	19, 606, 079 19, 461, 305 16, 299, 323	8.37	8.34	9.05
1932	52, 699, 700 \$ 18, 523, 650 1	71, 223, 350 1 18, 107, 616 1 1, 429, 718 6, 542, 807	286, 978, 976 297, 303, 492 282, 529, 030	2, 079, 022	54, 099, 430 41, 125, 040 2 996, 874	242, 121, 914 2	29, 811, 982 28, 798, 796 76, 099, 096	49, 467, 174 49, 366, 646 46, 230, 646	21.53	21. 58	26.24
1931	52, 699, 700 \$ 18, 522, 625 I	71, 222, 325 1 06, 448, 051 1 3, 381, 761 5, 926, 839	86, 978, 976 2	16, 406, 995	54, 099, 430 16, 472, 551 1, 029, 499	17, 502, 055 2	14, 533, 895 2 13, 482, 134 2 50, 782, 434 1	52, 422, 532 52, 328, 157 49, 166, 175	24. 44	24. 51	30. 58
1930	52, 699, 700 \$ 17, 176, 350 1	69, 876, 050 1 91, 865, 675 1 3, 379, 344 5, 228, 121	70, 349, 188 2	5, 758, 042 16, 406, 995	54, 099, 430 10, 491, 716 1, 074, 024	211, 565, 740 217, 502, 055	03, 484, 093 2 02, 398, 094 2 49, 698, 394 1	48, 398, 994 48, 325, 416 45, 163, 434	23. 79	23.88	30.17
1929	52, 699, 700 \$ 17, 175, 400 1	169, 875, 100 169, 876, 060 171, 222, 325 171, 223, 350 171, 295, 675 171, 295	257, 474, 036 270, 349, 188	9, 070, 134	54, 099, 430 54, 099, 430<	799 195, 402, 446 2	72, 603, 623 2 71, 493, 449 2 18, 793, 749 1	33, 919, 348 33, 469, 397 30, 307, 415	19. 65	19.52	25, 51
1928	\$52, 689, 700 \$52, 689, 700 \$52, 689, 700 \$52, 699, 700 \$52, 689, 700 \$52, 689, 700 \$52, 689, 700 \$52, 689, 700 \$52, 689, 700 \$52, 689, 700 \$52, 689, 700 \$52, 689, 700 \$52, 689, 700 \$58, 850 \$118, 598, 899, 700 \$58, 899, 700 \$	150, 345, 550 169, 8 45, 650, 521 80, 8 4, 174, 896 3, 3 2, 838, 861 3, 3	203, 009, 828	227, 973	54, 099, 430 148, 682, 425 1, 122, 374	149, 804, 799 1	146, 745, 711 172, 603, 629 202, 484, 093 214, 533, 896 229, 811, 982 234, 313, 883 225, 852, 950 214, 284, 524 199, 075, 151 193, 613, 075 151 151, 615, 615, 617, 711, 433, 449 202, 398, 094 213, 452, 154 122, 573, 777, 585 02, 916, 827, 174, 698, 994 160, 782, 434 176, 099, 096 180, 615, 102 172, 167, 731 148, 920, 227 122, 833, 927 119, 077, 898	27, 692, 216 27, 640, 351 24, 478, 369	18.87	18,98	26.34
4	Capital stock: 1. Preferred 2. Common	3. Total capital Scripts and capital Scripts and continguay reserve B. Surplus and continguay reserve B. Reserve for Federal income and profits taxes.	7. Capital stock and surplus	100	gibles. Stockholders' investment Long-term debt.	12. Total investment 1.	13. Average total investment 1. 14. Average stockholders' hivestment 1. 15. Average of common stockholders' equity 2	otal investment ockholders' investment ommon stockholders' equity	Bate of return on stock holdow investment (17-14)	Dotto of return on common wholl-haldens constitutions	

¹ Less unamortized debt discount and expense, ² Average of investment at beginning and end of year.

APPENDIX TABLE 1A.—Summary of income, expenses, and surplus for the American Tobacco Co., 1917-37

	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Net sales	\$83, 626, 850	\$137, 854, 588	\$141, 639, 435	\$138, 530, 584	\$151, 103, 825	\$138, 961, 567	\$134, 292, 159	\$149, 268, 903	\$152, 088, 201	\$149, 446, 876	\$166,068,673
	61, 245, 122	101, 382, 428	111, 627, 608	111, 496, 702	115, 719, 709	106, 108, 942	103, 252, 748	113, 738, 994	114, 791, 349	112, 114, 988	124, 957, 000
Denses.	11, 679, 026	12, 234, 591	12, 278, 056	11, 514, 390	13, 763, 674	12,640,008	13, 159, 683	16, 582, 176	18, 196, 403	16, 783, 014	21, 728, 650
Total operating expenses	72, 924, 148	113, 617, 019	123, 905, 694	123, 011, 092	129, 483, 383	118, 748, 950	116, 412, 431	130, 321, 170	132, 987, 752	128, 898, 002	146, 685, 650
Net profit on sales	10, 712, 702 3, 723, 723	24, 237, 569 1 129, 063	17, 733, 741	15, 519, 492 3, 733, 600	21, 620, 442	20, 212, 617 1, 943, 188	17, 879, 728 2, 221, 392	18, 887, 733 3, 661, 814	19, 100, 449 5, 516, 764	20, 548, 874 4, 836, 749	19, 383, 023 6, 643, 758
Net income applicable to total investment. Less interest on long-term debt.	14, 436, 425	24, 108, 506 695, 467	19, 773, 677 2, 001, 105	19, 253, 092 1, 632, 544	22, 408, 163 1, 344, 447	22, 155, 805 1, 086, 074	20, 101, 120 26, 954	22, 549, 547 54, 824	24, 617, 213 49, 678	25, 385, 623 49, 446	26, 026, 781 51, 887
	14, 327, 086	23, 413, 039	17, 772, 572	17, 620, 548	21, 063, 716	21, 069, 731	20, 074, 166	22, 494, 723	24, 567, 535	25, 336, 177	25, 974, 894
profits taxes	1, 016, 401	6, 800, 000	1,800,000	1, 376, 913	2, 809, 052	2, 236, 476	2, 266, 027	1, 709, 853	2, 328, 616	2, 836, 529	2, 717, 091
Net income for the year	13, 310, 685 37, 081, 533	16, 613, 039 39, 181, 756	15, 972, 572 44, 584, 333	16, 243, 635 49, 346, 443	18, 254, 664 14, 655, 900	18, 833, 255 14, 749, 667	17, 808, 139 19, 670, 407	20, 784, 870 22, 845, 869	22, 238, 919 28, 266, 081	22, 499, 648 31, 233, 096	23, 257, 803 34, 948, 276
Total Tose dividends neid on	50, 392, 218	55, 794, 795	60, 556, 905	65, 590, 078	32, 910, 564	33, 582, 922	37, 478, 546	43, 630, 739	50, 505, 000	53, 732, 744	58, 206, 079
Common stock in stock	8, 048, 480	2 8 048 480	4,024,240	4,024,240	8, 062, 455	10, 750, 533	11, 470, 695	12, 202, 676	16, 109, 922	15, 622, 486	15, 620, 856
Preferred stock in cash	3, 161, 982	3, 161, 982	3, 161, 982	3, 161, 982	3, 161,	3, 161, 982	3, 161, 982	3, 161, 982	3, 161, 982	3, 161, 982	3, 161, 982
Total Other deductions (net)	11, 210, 32	11, 210, 462	11. 210, 462	50, 934, 178	18, 160, 897	13, 912, 515	14, 632, 677	15, 364, 658	19, 271, 904	18, 784, 468	18, 782, 838 2, 000
Surplus end of year	39, 181, 756	44, 584, 2.3	49, 346, 443	14, 655, 900	14, 749, 667	19, 670, 407	22, 845, 869	28, 266, 081	31, 233, 096	34, 948, 276	39, 421, 241

Total	\$4, 010, 995, 492	3, 065, 969, 946	437, 702, 936	3, 503, 672, 882	507, 322, 610 76, 232, 570	583, 555, 180 10, 179, 763	573, 375, 417	68, 225, 245 505, 150, 172		345, 239, 184 62, 757, 136 66, 401, 622	474, 397, 942	36, 286, 129 817, 223	
1937	\$232, 964, 682 \$242, 644, 515 \$4,	195, 042, 650	18, 630, 767	213, 673, 417	28, 971, 098	31, 663, 822	30, 922, 600	4, 291, 258 26, 631, 342 59, 922, 812	86, 554,	22, 934, 186 3, 161, 982	26, 096, 168	433, 850	60, 024, 136
1936	\$232, 964, 682	185, 144, 403	25, 725, 757	210, 870, 160	22, 094, 522 2, 196, 395	24, 290, 917	23, 576, 368	3, 340, 595 20, 235, 773 65, 557, 385	783,	23, 061, 555	26, 223, 537	3 462, 744. 109, 553	59, 922, 812
1935	\$220, 264, 060	171, 828, 759	24, 849, 076	196, 677, 835	23, 586, 225	27, 702, 897	27, 071, 286	3, 165, 578 23, 905, 708 105, 251, 117	129, 156,	3, 161, 982	26, 597, 502	36, 748, 873	65, 557, 385
1934	\$225, 646, 543	169, 238, 082	26, 660, 087	195, 898, 169	29, 748, 374 1 2, 173, 125	27, 575, 249 75, 545	27, 499, 704	4, 285, 424 23, 214, 280 108, 627, 695	841,	3, 161, 982	26, 590, 858	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	108, 627, 695 105, 251, 117
1933	\$230, 317, 190 \$225, 646, 543	186, 818, 888	28, 868, 984	215, 687, 872	14, 629, 318	19, 606, 079	19, 461, 305	2, 060, 096 17, 401, 209 118, 107, 617	508	3, 161, 982	26, 881, 131		108, 627, 695
1932	\$278, 215, 273	193, 036, 086	40, 868, 801	233, 904, 887	44, 310, 386 5, 156, 788	49, 467, 174	49, 366, 646	6, 099, 563 43, 267, 083 106, 448, 051	715	3, 161, 982	31, 607, 517		118, 107, 617
1931	\$300, 962, 646 \$278, 215, 273	217, 211, 748	36, 326, 235	253, 537, 983	47, 424, 663	52, 422, 532 94, 375	52, 328, 157	6, 138, 416 46, 189, 741 91, 865, 673	055,	3, 161, 982	31, 607, 363		106, 448, 051
1930	\$288, 167, 322	214, 451, 743	32, 353, 884	246, 805, 627	41, 361, 695	48, 398, 994 73, 578	48, 325, 416	5, 030, 647 43, 294, 769 80, 869, 332	164,	3, 161, 982	32, 455, 965	8 157, 537	91, 865, 673
1929	\$246, 688, 380	195, 256, 366	21, 861, 848	217, 118, 214	29, 570, 166	33, 919, 348 449, 951	33, 469, 397	3, 290, 793 30, 178, 604 45, 650, 521	75, 829,	3, 161, 982	24; 086, 314 5 29, 293, 725	167, 204	80, 869, 332
1928	\$202, 293, 220	161, 505, 631	20, 997, 796	182, 503, 427	19, 789, 793	27, 692, 216 51, 865	27, 640, 351	2, 625, 917 25, 014, 434 39, 421, 241	64, 435, 675	3, 161, 982	18, 776, 066	9,088	45, 650, 521
	Net sales	Cost of goods sold	PATTACT	Total operating expenses	Net profit on sales	Net income applicable to total investment. Less interest on long-term debt.	Net income applicable to stock-holders' investment.	profits taxes. Net income for the year. Surplus beginning of year.	Less dividends paid on-	Common stock in cash	Total. Premium on sale of common stock.	tion thereof in 1936, in connection with acquisition of leased brands Other deductions (net)	Surplus end of the year

Denotes loss.
 Serlip exchangeable for common stock B.
 Includes \$5,372,556 of serlip exchangeable for common stock D.
 Includes \$2,686,778 of serlip exchangeable for common stock B and \$4,250,182 in common stock of a subsidiary company Additions to surplus.

APPENDIX TABLE 2.—Summary of investments, profits, and rates of return for Liggett & Myers Tobacco Co. and subsidiaries, 1917-37

1927	\$22, 514, 100 65, 391, 829	87, 905, 929 49, 003, 176 820, 000	2, 920, 873	140, 649, 978	40, 797, 969	99, 852, 009 28, 551, 200	128, 403, 209	124, 379, 848	95, 767, 648	73, 253, 548	23, 359, 799	21, 664, 542	20, 088, 555	18.78	22.62	27.42
1926	\$22, 514, 100 \$22, 514, 59, 450, 229 65, 391,	81, 964, 329 47, 818, 268	2, 698, 658	132, 481, 255	40, 797, 969	91, 683, 286 28, 673, 200	822 120, 356, 486	116, 749, 654 124, 379,	88, 016, 954	65, 502, 854	22, 268, 354	20, 564, 434	18, 988, 447	19.02	23. 36	28.99
1925	\$22, 514, 100 8 54, 061, 671	76, 575, 771 46, 163, 328 264, 707	2, 144, 785	125, 148, 591	40, 797, 969	84, 350, 622 28, 792, 200	113, 142,	104, 565, 175	75, 710, 775	53, 196, 675	19, 067, 001	17, 354, 356	15, 763, 636	18. 23	22. 92	29. 63
1924	522, 514, 100 43, 315, 896	65, 829, 996 40, 420, 722 231, 768	1, 685, 412	108, 167, 898	41, 096, 969	67, 070, 929 28, 916, 600	95, 987, 529	88, 390, 612	59, 410, 512	36, 896, 412	15, 652, 432	13, 931, 684	12, 343, 697	17.71	23, 45	33.46
1923	\$22, 514, 100 34, 236, 721	56, 750, 821 34, 648, 891 189, 797	1, 257, 553	92, 847, 062	41, 096, 969	51, 750, 093 29, 043, 600	80, 793, 693	78, 769, 961	49, 662, 861	27, 148, 761	12, 597, 870	10, 868, 233	9, 280, 246	15.99	21.88	34. 18
1922	\$22, 514, 100 33, 791, 621	56, 305, 721 30, 655, 075 477, 948	1, 233, 853	88, 672, 597	41, 096, 969	47, 575, 628 29, 170, 600	76, 746, 228	75, 183, 545	45, 937, 945	23, 423, 895	12, 641, 431	10, 903, 306	9, 315, 324	.16.81	23. 73	39. 77
1921	\$22, 514, 000 33, 044, 921	55, 558, 921 26, 525, 958 1, 528, 710	1, 783, 643	85, 397, 232	41, 096, 969	44, 300, 263 29, 320, 600	73, 620, 863	81, 654, 752	42, 263, 902	19, 749, 902	14, 108, 123	11, 321, 469	9, 734, 989	17.28	26. 79	49. 29
1920	\$22, 514, 000 32, 600, 221	55, 114, 221 22, 230, 052 1, 183, 884	2, 796, 354	81, 324, 511	41, 096, 969	40, 227, 542 49, 461, 100	89, 688, 642	83, 204, 408	33, 676, 508	11, 162, 508	11, 534, 844	8, 576, 097	6, 996, 130	13.86	25. 47	62.68
1919	\$22, 514, 000 21, 859, 021	44, 373, 021 19, 670, 510 1, 188, 854	2, 990, 058	68, 222, 443	41, 096, 969	27, 125, 474 49, 594, 700	76, 720, 174	78, 077, 641	28, 417, 941	5, 903, 941	10, 109, 564	7, 141, 402	5, 565, 422	12.95	25, 13	94. 27
1918	\$22, 514, 000 \$ 21, 558, 898	44, 072, 898 18, 817, 964 1, 234, 898	6, 381, 617	70, 507, 377	40, 796, 969	29, 710, 408 49, 724, 700	79, 435, 108	65, 264, 585	25, 476, 010	2, 962, 310	14, 821, 913	12, 947, 918	11, 371, 938	22. 71	50.82	383.89
1917	\$22, 513, 400 21, 558, 898	44, 072, 298 15, 700, 219 1, 563, 993	702, 072	62, 038, 582	40, 796, 969	21, 241, 613 29, 852, 450	51, 094, 063	46, 654, 907	16, 744, 782	2, 203, 818	9, 725, 426	7, 938, 963	6, 737, 329	20.85	47.41	
1916	\$15, 383, 800 21, 496, 400	36, 880, 200 12, 978, 127 2, 971, 769	127, 566	52, 957, 662	40, 709, 711	12, 247, 951 29, 967, 800	42, 215, 751									
	Capital stock: 1. Preferred. 2. Common.	3. Total 4. Surplus—earned and capital 5. Surplus and contingency reserves 6. Reserve for Federal income and pro-	fits taxes.	7. Capital stock and surplus.	and other intar	9. Stockholders' investment 10. Long-term debt	11. Total investment	12. Average of total investment 1. 13. Average of stockholders' invest-	14. Average of common stockholders'	Net income before deducting Fed-	15. Applicable to total investment 16. Applicable to stockholders' in-	vestment vestment vestment.	Rate of return on total investment	Rate of return on stockholders' invest-	Rate of return on common stockholders'	equity (1/ ÷14)percent

Annual						\$120, 973, 952 90, 609, 983 68, 543, 504 20, 197, 762 18, 401, 900 16, 861, 186 20, 31 20, 31
1937	\$20, 874, 100 78, 423, 475	99, 297, 575 - 42, 143, 362 - 2, 715, 434 - 3, 727, 731 -	147, 884, 102	147, 884, 101 22, 551, 400	170, 435, 501	232, 886 624, 086 749, 986 749, 645 641, 680 15. 52 17. 00 18. 65
1936	\$21, 614, 100, \$20, 874, 100, \$20, 874, 100, 78, 584, 469, .78, 423, 475	99, 297, 575 41, 050, 623 2, 715, 434 4, 200, 439	144, 843, 367 147, 264, 071 147, 884, 102 1 1 1	188, 425, 566 146, 024, 877 143, 710, 797 148, 745, 929 144, 843, 386 137, 284, 070 147, 884, 101 29, 054, 200 25, 739, 200 23, 227, 200 22, 782, 200 22, 786, 200 22, 686, 200 22, 551, 400	166, 937, 997 171, 646, 129 167, 625, 566 169, 930, 270 170, 435,	221 29, 473 506 28, 775 918 170, 649 146, 635, 718 147, 18 126, 12 126, 733, 506 28, 10 126, 941, 28, 942, 28, 11, 62 28, 28, 28, 28, 28, 28, 28, 28, 38, 38, 38, 44, 38, 38, 38, 44, 38, 38, 38, 38, 48, 38, 38, 38, 38, 38, 38, 38, 38, 38, 3
1935	\$20, 874, 100 . 78, 423, 475	99, 297, 575 40, 262, 751 2, 715, 434 2, 567, 607	144, 843, 367	144, 843, 366 22, 782, 200	167, 625, 566	635 794 7782 782 1 1 1
1934	\$21, 614, 100 78, 584, 469	100, 198, 569 42, 686, 771 2, 715, 434 3, 200, 156	148, 800, 930 55, 001	148, 745, 929 22, 900, 200	171, 646, 129	109, 121, 922, 166, 351, 037, 166, 292, 064, 166, 119, 252, 222, 144, 867, 887, 146, 228, 364, 146, 119, 711, 122, 122, 772, 387, 134, 824, 364, 612, 28, 377, 828, 19, 28, 322, 389, 977, 19, 404, 612, 28, 377, 828, 19, 28, 322, 389, 977, 19, 404, 612, 28, 377, 828, 19, 16, 84, 821, 387, 14, 60, 16, 84, 847, 847, 847, 847, 847, 847, 847,
1933	\$21, 676, 800 78, 530, 891	100, 207, 691 39, 498, 617 1, 582, 036 2, 477, 454	143, 765, 798 55, 001	143, 710, 797 23, 227, 200	166, 937, 997	169, 351, 0371 1122, 772, 3371 122, 772, 3371 20, 882, 023 19, 464, 612 17, 915, 306 12, 33 13, 44
1932	\$22, 514, 100 78, 530, 891	101, 044, 991 40, 128, 100 1, 224, 004 3, 682, 783	.146, 079, 878 55, 001	146, 024, 877 25, 739, 200	664, 164 140, 148, 475 160, 892, 094 166, 479, 766 171, 764, 077	931 169, 121, 922 731 142, 225, 222 731 142, 225, 222 776 28, 432, 093 332 25, 332, 39 746 16, 84 75 15 16, 84 75 17, 96 75 17, 96
1931	\$22, 514, 100 78, 530, 391	101, 044, 491 34, 273, 920 3, 162, 156	138, 480, 567 55, 001	138, 425, 566 28, 054, 200	166, 479, 766	163,685, 113,656, 113,056, 26,406, 24,830, 17
1930	\$22, 514, 100 \$22, 514, 100 \$22, 514, 100 65, 463, 366 78, 530, 391 78, 530, 391	466 101, 044, 491 403 28, 447, 720 000 407 3, 278, 684	132, 770, 895 55, 001	132, 715, 894 1 28, 176, 200	160, 892, 094	155, 559, 285 122, 279, 085 99, 764, 985 29, 038, 157 27, 389, 290 25, 793, 303 19, 29 22, 38
1929	\$22, 514, 100 65, 463, 366	87, 977, 20, 739, 400, 2, 780,	111, 897, 276 55, 001	964 111, 842, 275 200 28, 306, 200	140, 148, 475	689 136, 406, 318 150, 485 108, 637, 618 122, 585 108, 637, 618 122, 629 26, 713, 406 29, 737 25, 635, 382 27, 7. 94 28, 489, 365 28, 7. 29 23, 17
1928	\$22, 514, 100 \$ 65, 463, 366	87, 977, 466 53, 987, 708 400, 000 2, 632, 501	144, 997, 675 40, 764, 711	104, 232, 964 28, 431, 200	132, 664, 164	130, 533, 686 102, 042, 485 70, 528, 386 23, 416, 629 21, 729, 737 20, 133, 750 17. 94 21. 29 22, 34
	Capital stock: 1. Preferred. 2. Common.	3. Trotal 4. Surplus—earned and capital 5. Surplus and contingency reserves. 6. Reserve for Federal Income and profits taxes	7. Capital stock and surplus 8. Less good will, appreciation and other intangibles	9. Stockholders' investment	11. Total investment	12. Average of total investment 1 13. Average of total investment 1 14. Average of common-stock holders' equity 1 15. Average of common-stock holders' equity 1 16. Applicable to stockholders' luvestment 1 17. Applicable to stockholders' luvestment 1 18. Applicable to coomnon-stock holders' equity 1 18. Applicable to common-stock holders' equity 1 18. Applicable to common-stock holders' equity 1 18. Rate of return on stockholders' investment (16+12) 18. Rate of return on common-stock holders' equity (17+14)

¹ Average of investment of beginning and end of year.
² Denotes negative investment.

APPENDIX TABLE 2A.—Summary of income, expenses, and surplus for Liggett & Myers Tobacco Co. and subsidiaries, 1917-37

	•						-		-		
	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Net sales	\$82, 897, 952	\$123, 698, 335	\$134, 697, 886	\$151, 503, 211	\$134, 697, 886 \$151, 503, 211 \$152, 072, 155 \$145, 051, 719 \$156, 100, 000	\$145, 051, 719	\$156, 100, 000	\$180, 475, 851	\$203, 113, 016 \$227, 703, 529	\$227, 703, 529	\$235, 722, 589
Clost of goods sold	61, 684, 677	99, 516, 567	112, 463, 250	125, 816, 768	119, 967, 462	115, 172, 359	127, 659, 620	144, 865, 119	163, 122, 879	182, 841, 352	189, 357, 614
Distribution and administrative ex-	11, 371, 355	8, 477, 478	11, 700, 925	13, 223, 022	17, 878, 514	17, 143, 145	15, 587, 899	19, 884, 815	21, 341, 882	22, 873, 455	24, 657, 692
Total operating expenses	73, 056, 032	107, 994, 045	124, 164, 175	139, 039, 790	137, 845, 976	132, 315, 504	143, 247, 519	164, 749, 934	184, 464, 761	205, 714, 807	214, 015, 306
Net profit on salesOther income (net)	9,841,920	15, 704, 290	10, 533, 711	12, 463, 421 1 928, 577	14, 226, 179 1 118, 056	12, 736, 215	12, 852, 481	15, 725, 917	18, 648, 255 418, 746	21, 988, 722 279, 632	21, 707, 283
Net income applicable to total investment.	9, 725, 426 1, 786, 463	14, 821, 913 1, 873, 995	10, 109, 564 2, 968, 162	11, 534, 844 2, 958, 747	14, 108, 123 2, 786, 654	12, 641, 431 1, 738, 125	12, 597, 870 1, 729, 637	15, 652, 432 1, 720, 748	19, 067, 001 1, 712, 645	22, 268, 354 1, 703, 920	23, 359, 799 1, 695, 257
Net income applicable to stock- holders' investment	7, 938, 963	12, 947, 918	7, 141, 402	8, 576, 097	11, 321, 469	10, 903, 306	10, 868, 233	13, 931, 684	17, 354, 356	20, 564, 434	21, 664, 542
Provision for Federal income and	575, 813	4, 814, 769	1, 273, 452	1, 054, 663	1, 555, 274	1, 232, 432	1, 259, 437	1, 685, 411	2, 149, 368	2, 804, 002	2, 921, 147
Net income for the year	7, 363, 150	8, 133, 149 15, 700, 219	5, 867, 950 18, 817, 964	7, 521, 434	9, 766, 195	9, 670, 874 26, 525, 958	9, 608, 796 30, 655, 075	12, 246, 273 34, 648, 891	15, 204, 988 40, 420, 722	17, 760, 432 46, 163, 328	18, 743, 395 47, 818, 268
Total	20, 341, 277	23, 833, 368	24, 685, 914	27, 191, 944	31, 996, 247	36, 196, 832	40, 263, 871	46, 895, 164	55, 625, 710	63, 923, 760	66, 561, 663
Less dividends paid on— Common stock in cash	3, 439, 424	3, 439, 424	3, 439, 424	3, 414, 513	3, 894, 309	3, 965, 775	4, 038, 993	4, 898, 455	8, 026, 395	9, 128, 205	10, 041, 050
Common stock in stockPreferred stock in cash	1, 201, 634	1, 575, 980	1, 575, 980	1, 579, 967	1, 586, 480	1, 587, 982	1, 587, 987	1, 587, 987	1, 590, 720	1, 575, 987	1, 575, 987
Total Goodwill and other intangibles written	4, 641, 058	5, 015, 404	5, 015, 404	4, 994, 480	5, 480, 789	5, 553, 757	5, 626, 980	6, 486, 442	9, 617, 115	16, 105, 492	17, 558, 487
Other additions or deductions (net)				2 32, 588	2 10, 500	2 12,000	12,000	2 12,000	2 154, 733		
Surplus end of year	15, 700, 219	18, 817, 964	19, 670, 510	22, 230, 052	26, 525, 958	30, 655, 075	34, 648, 891	40, 420, 722	46, 163, 328	47, 818, 268	19, 003, 176

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales	\$216, 188, 517	\$232, 936, 301	\$226, 558, 711	\$206, 741, 789	\$190, 726, 536	\$197,953,018	\$226, 123, 458	\$219, 732, 636	\$234, 892, 347	\$240, 503, 431	\$3, 985, 392, 987
	173, 265, 293	183, 752, 601	172, 222, 731	150, 621, 801	135, 051, 290	160, 932, 383	181, 159, 567	178, 937, 982	185, 887, 810	193, 543, 740	3, 157, 842, 865
Denses	20, 165, 210	22, 463, 940	25, 814, 269	29, 072, 483	29, 172, 539	18, 589, 516	22, 439, 862	21, 364, 768	20, 913, 796	22, 362, 795	416, 499, 360
Total operating expenses	193, 430, 503	206, 216, 541	198, 037, 000	179, 694, 284	164, 223, 829	179, 521, 899	203, 599, 429	200, 302, 750	206, 801, 606	215, 906, 535	3, 574, 342, 225
Net profit on salesOther income (net)	22, 758, 014 658, 615	26, 719, 760	28, 521, 711 516, 446	27, 047, 505	26, 502, 707 1, 979, 366	18, 431, 119 2, 450, 904	22, 524, 029 2, 200, 768	19, 429, 886	28, 090, 741	24, 596, 896 • 1, 829, 749	411, 050, 762 13, 102, 247
Net income applicable to total investment. Less interest on long-term debt.	23, 416, 629 1, 686, 892	26, 713, 406 1, 678, 054	29, 038, 157 1, 668, 867	28, 066, 776 1, 660, 467	29, 482, 093 1, 582, 176	20, 882, 023	24, 724. 797 1, 346, 969	20, 782, 221	29, 733, 505 1, 330, 932	26, 426, 645 1, 323, 778	424, 153, 009 37, 713, 116
Net income applicable to stock- holders investment	21, 729, 737	25, 035, 352	27, 369, 290	26, 406, 309	26, 899, 917	19, 464, 612	23, 377, 828	19, 439, 004	28, 402, 573	25, 102, 867	386, 439, 893
	2, 321, 093	2, 758, 020	3, 277, 047	3, 150, 777	3, 656, 885	2, 469, 244	3, 139, 167	2, 582, 460	4, 194, 941	3, 727, 307	52, 602, 709
Net income for the yearSurplus beginning of year	19, 408, 644 49, 003, 176	22, 277, 332 53, 987, 708	24, 092, 243 20, 739, 403	23, 255, 532 28, 447, 720	23, 243, 032 34, 273, 920	16, 995, 368 40, 128, 100	20, 238, 661 39, 498, 617	16, 856, 544 42, 686, 771	24, 207, 632 40, 262, 751	21, 375, 560 41, 050, 623	333, 837, 184
Total	68, 411, 820	76, 265, 040	44, 831, 646	51, 703, 252	57, 516, 952	57, 123, 468	59, 737, 278	59, 543, 315	64, 470, 383	62, 426, 183	
Less dividends paid on— Common stock in eash	13, 071, 190	15, 071, 190	14, 639, 189	15, 684, 595	15, 684, 615	15, 684, 695	15, 684, 695	15, 684, 695	21, 958, 573	18, 821, 634	217, 711, 038
Preferred stock in cash	1, 575, 987	1, 575, 987	1, 575, 987	1, 575, 987	1, 575, 987	1, 549, 306	1, 515, 531	1, 461, 187	1, 461, 187	1, 461, 187	32, 355, 024
Total Goodwill and other intangibles written	14, 647, 177	14, 647, 177	16, 215, 176	17, 260, 582	17, 260, 602	17, 234, 001	37, 200, 226	17, 145, 882	23, 419, 760	20, 282, 821	261, 408, 812
off. Other additions or deductions (net)	1 223, 065	40, 709, 710	168, 750	168, 750	128, 250	390, 850	149,719	55,000			40, 764, 710 2, 498, 427
Surplus end of year	53, 987, 708	20, 739, 403	28, 447, 720	34, 273, 920	40, 128, 100	39, 498, 617	42, 686, 771	40, 262, 751	41, 050, 623	42, 143, 362	

: Denotes loss.

APPENDIX TABLE 3.—Summary of investments, profits, and rates of return for R. J. Reynolds Tobacco Co., 1917-37

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926.	1927
Capital stock: 1. Preferred 2. Common	\$2, 500, 000 10, 000, 000	\$10, 000, 000 10, 000, 000	\$2, 560, 600 \$10, 600, 600 \$10, 600, 600 \$10, 600, 600 \$20, 600, 600 \$10, 600, 600 \$20, 600, 600, 600, 600, 600, 600, 600, 6	\$10,000,000 20,000,000	\$20,000,000	\$20, 000, 000 \$20, 000, 000 60, 000, 000 80, 000, 000	\$20,000,000 80,000,000	\$20, 000, 000 80, 000, 000	\$20, 000, 000 \$20, 000, 000 80, 000, 000 80, 000, 000 880, 000, 00	\$80,000,000	\$80,000,000	\$100,000,000
3. Total and eapital Surplus-carned and eapital Surplus and contingency reserves. 6. Reserve for Federal income and profit aves	12, 500, 000 16, 747, 369 717, 485	20, 000, 000 23, 806, 464 305, 505 1, 888, 756	30, 000, 000 27, 999, 227 710, 109 8, 528, 256	30, 000, 000 36, 171, 981 1, 271, 323 4, 214, 217	80, 000, 000 2, 064, 102 1, 321, 912 2, 831, 485	80, 000, 000 12, 122, 425 1, 321, 912 7, 203, 653	4, 915, 221 742, 837 3, 108, 103	100, 000, 000 16, 955, 097 1, 540, 717 3, 555, 327	29, 732, 814 1, 165, 449 3, 647, 301	80, 000, 000 39, 154, 393 1, 764, 490 3, 775, 461	80, 000, 000 50, 203, 796 1, 686, 784	100, 000, 000 40, 696, 775 1, 909, 060 5 177 460
7. Capital stock and surplus	30, 138, 639	46, 000, 725	67, 237,	71, 657, 521		100, 647, 990	86, 217, 499 100, 647, 990 108, 786, 161 122, 051, 141 134, 545, 564 124, 694, 344 136, 359, 253 147, 783, 295	122, 051, 141	134, 545, 564	124, 694, 344	136, 359, 253	147, 783, 295
R. Treasury stock at cost (common). Goodwill, appreciation, and other intanribles	1, 222, 795	1, 179, 047	1, 222, 926	1, 207, 416	1, 307, 583	1, 357, 737	1, 362, 907	1, 313, 291	1, 319, 091	1, 317, 891	1, 316, 691	1
10. Stockbolders' investment	28, 915, 844	44, 821, 678	66, 014, 666	70, 450, 105 15, 000, 000	84, 909, 916 15, 000, 000	99, 290, 253 1, 700, 000	107, 403, 254 120, 737, 850 133, 226, 473 123, 376, 453 135, 042, 562 147, 783, 294 87, 000	120, 737, 850	133, 226, 473	123, 376, 453	135, 042, 562	147, 783, 294
12. Total investment	28, 915, 844	44, 821, 678	66, 014, 666	85, 450, 105	99, 990, 916	100, 990, 253	107, 490, 254 120, 737, 850		133, 226, 473	123, 376, 453	123, 376, 453 135, 042, 562	147, 783, 294
13. Average of total investment 1		36, 868, 761 36, 868, 761	55, 418, 172 55, 418, 172	75, 732, 385 68, 232, 385	92,	100, 450, 085 92, 100, 085	680, 010 100, 450, 085 104, 240, 254 114, 114, 052 126, 982, 162 680, 012 92, 100, 085 103, 346, 754 114, 070, 552 126, 982, 162	114, 114, 052	126, 982, 162 126, 982, 162	128, 301 128, 301	, 463 129, 209, 508 141, 412, 463 129, 209, 508 141, 412,	141, 412, 928 141, 412, 928
equity 1		30, 618, 761	45, 418, 172	58, 232, 385	62, 680, 012	72, 100, 085	83, 346, 754		94, 070, 552 106, 982, 162 118, 301,		463 129, 209, 508 141, 412, 928	141, 412, 928
eral income and profits taxes: 16. Applicable to total investment		12, 229, 101	15, 571, 019	15, 923, 471	14, 257, 273	24, 642, 984	24, 646, 565	26, 595, 203	25, 024, 989	28, 443, 272	30, 633, 073	34, 041, 242
		12, 229, 101	15, 571, 019	15, 486, 971	13, 357, 273	24, 177, 021	24, 612, 410	26, 595, 203	25, 024, 989	28, 443, 272	30, 633, 073	34, 041, 242
holders' equity	1	11, 747, 851	14, 871, 019	14, 786, 971	11, 957, 273	22, 777, 022	23, 212, 410	25, 195, 203	23, 624, 989	27, 043, 272	30, 633, 073	34, 041, 242
13) percent.	1	33. 17	28. 10	21.03	15.38	24. 53	23.64	23. 31	19.71	22. 17	23. 71	24.07
ment (17+14)percent.	1	33. 17	28, 10	22. 70	17. 20	26. 25	23.82	23. 31	19.71	22. 17	23.71	24.07
equity (18+15)precent.		38.37	32.74	25.39	19.08	31.59	27.85	26.78	22.08	22.86	23. 71	24.07

Annual a ge	1 7 -0 1 1 5 1 1 1 9 1 1 1 9 2 1 1 9 2 1 1 9 2 1 3 1 4 1 5 1 6 1 7 1 8 1 8 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$123, 269, 056 121, 755, 389	28, 418, 071	28, 330, 613	27, 841, 030	23.05	23. 27	24.10
1937	100, 000, 000	100, 000, 000 40, 850, 662 4, 388, 110 5, 403, 846	150, 642, 618	140, 522, 617	140, 522, 617	140, 742, 824 140, 742, 824	33, 594, 125	33, 594, 125	33, 594, 125	23.87	23.87	23.87
1936	\$100, 000, 000 \$100, 000, 000	100, 000, 000 41, 748, 290 3, 433, 229 5, 901, 512	151, 083, 031 10, 120, 000	138, 823, 312 140, 963, 030	140, 963, 030	139, 893, 171	34, 995, 370	34, 995, 370	34, 995, 370	25.02	25.02	25. 02
1935	\$100,000,000	100, 000, 000 42, 495, 155 2, 339, 475 4, 108, 683	10, 120, 000	138, 823, 312	138, 823, 312	142, 273, 529 142, 273, 529	29, 506, 646	29, 506, 646	29, 506, 646	20.74	20.47	20.74
1934	\$100, 000, 000 \$100, 000, 000 \$100, 000, 0	100, 000, 000 48, 598, 757 3, 839, 489 3, 405, 501	155, 843, 747	145, 723, 746	145, 723, 746	148, 817, 482 148, 817, 482		26, 303, 300	26, 303, 300	17.67	17.67	17.67
1933	\$100,000,000	100, 000, 000 57, 061, 863 3, 102, 397 1, 866, 958	162, 031, 218 10, 120, 000	151, 911, 217	151, 911, 217	157, 111, 072 157, 111, 072		19, 502, 421	19, 502, 421	12. 41	12.41	12. 41
1932	100, 000, 000	100, 000, 000 65, 908, 141 8, 149, 446 6, 263, 236	180, 320, 823 18, 009, 896	162, 310, 926	162, 310, 926	159, 739, 545 159, 739, 545	41, 707, 202	41, 707, 202	41, 707, 202	26.11	26.11	26.11
1931	3100, 000, 000	100,000,000 62,233,341 2,403,711 5,624,852	170, 261, 904 13, 093, 740	157, 168, 163	157, 168, 163	155, 316, 598 155, 316, 598	45, 149, 696	45, 149, 696	45, 149, 696	29. 07	29.07	29.07
1930	\$100,000,000	100,000,000 55,836,524 1,739,725 5,024,385	162, 600, 634 9, 135, 600	153, 465, 033	153, 465, 033	145, 905, 389	143, 903, 389	42, 144, 172	42, 144, 172	28.88	28.88	28. 88
1929	\$100,000,000	100,000,000 51,579,859 1,829,523 4,218,412	157, 627, 794	138, 345, 745	138, 345, 745	144, 361, 006 144, 361, 006	144, 301, 000 38, 720, 162	38, 720, 162	38, 720, 162	26.82	26.82	26.82
1928	\$100,000,000 \$100,000,000	100, 000, 000 44, 869, 338 1, 851, 139 4, 262, 992	150, 983, 469	150, 376, 267	150, 376, 267	149, 079, 781	33, 148, 208	33, 148, 208	33, 148, 208	22, 24	22, 24	22. 24
	Capital stock: 1. Preferred. 2. Common.	.3. Total 4. Surplus—earned and capital 5. Surplus and contingency reserves 6. Reserve for Federal income and profits taxes.	7. Capital stock and surplus. Less: 8. Treasury stock at cost (common) 9. Goodwill, appredation, and other Intanchies	10. Stockholders' investment.	12. Total investment	investment 1	Net income before deducting Federal income and profits taxes: Applicable to total investment.	Applicable to stockholde vestment	a :	(16+13)	Rate of return on stockholders' invest- ment (17+14)	Kate of return on common stockholders' equity (18+15)percent

1 Average of investment at beginning and end of year.

APPENDIX TABLE 34.—Summary of income, expenses, and surplus for R. J. Reynolds Tobacco Co., 1917-37

APPENDIX LABLE	E 3A.—S1	3A.—Summary of	ıncome,	income, expenses,	and surplus for	us jor K.	J. Keynol	ds Tobacc	Keynolds Tobacco Co., 1917-37	17-37	
3	. 1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Net sales	\$83, 537, 850	\$83, 537, 850 \$128, 496, 211 \$188, 115, 324 \$195, 312, 210 \$187, 730, 166 \$190, 658, 527	\$188, 115, 324	\$195, 312, 210	\$187, 730, 156	\$190, 658, 527	\$233, 516, 345 \$238, 745, 043 \$255, 986, 334	\$238, 745, 043	\$255, 986, 334	\$279, 815, 715	\$281, 623, 053
Cost of goods sold	67, 407, 150	109, 218, 997	162, 609, 398	169, 427, 629	149, 189, 709	155, 936, 191	195, 669, 335	201, 299, 881	212, 832, 305	225, 364, 173	221, 151, 837
penses	3, 636, 672	3, 090, 975	8, 969, 209	10, 992, 416	14, 007, 809	10, 919, 091	11, 658, 385	13, 281, 773	15, 640, 183	24, 242, 769	28, 460, 885
Total operating expenses	71, 043, 822	112, 309, 972	171, 578, 607	180, 420, 045	163, 197, 518	166, 855, 282	207, 327, 720	214, 581, 654	228, 472, 488	249, 606, 942	249, 612, 722
Net profit on salesOther income (net)	12, 494, 028 1 264, 927	16, 186, 239 1 615, 220	16, 536, 717	14, 892, 165 1 634, 892	24, 532, 638 110, 346	23, 803, 245 843, 320	26, 188, 625 406, 578	24, 163, 389 861, 600	27, 513, 846 929, 426	30, 208, 773 424, 300	32, 010, 331 2, 030, 911
Net income applicable to total investment. Less interest on long term debt.	12, 229, 101	15, 571, 019	15, 923, 471	14, 257, 273	24, 642, 984 465, 962	24, 646, 565 34, 155	26, 595, 203	25, 024, 989	28, 443, 272	30, 633, 073	34, 041, 242
Net income applicable to stock- bolders' investment	12, 229, 101	15, 571, 019	15, 486, 971	13, 357, 273	24, 177, 022	24, 612, 410	26, 595, 203	25, 024, 989	28, 443, 272	30, 633, 073	34, 041, 242
	1, 888, 756	8, 528, 256	4, 214, 217	2, 831, 485	7, 203, 653	3, 108, 103	3, 555, 327	3, 647, 301	3, 775, 461	4, 468, 674	4, 917, 771
Net income for the year	10, 340, 345 16, 747, 369	7, 042, 763 23, 806, 464	11, 272, 764 27, 999, 227	10, 525, 788 36, 171, 981	16, 973, 369 2, 064, 102	21, 504, 307 12, 122, 425	23, 039, 876 4, 915, 221	21, 377, 688 16, 955, 097	24, 667, 811 29, 732, 814	26, 164, 399 39, 154, 393	29, 123, 471 50, 203, 796
Total	27, 087, 714	30, 849, 227	39, 271, 981	46, 697, 769	19, 037, 471	33, 626, 732	27, 955, 097	38, 332, 785	54, 400, 625	65, 318, 792	79, 327, 267
Less dividends paid on— Common stock in cash. Common stock in stock. Preferred stock in cash.	2, 800, 000	2, 150, 000	2, 400, 000	3, 600, 000 40, 000, 000 1, 400, 000	4, 800, 000	7, 800, 000 20, 000, 000 1, 400, 000	9, 600, 000	9, 600, 000	10, 400, 000	15, 200, 000	26,000,000
Total Federal income-tax refunds Loss from damaged tobacco Premium on retirement of preferred stock	3, 281, 250	2, 850, 000	3, 100, 000	45,000,000	6, 200, 000	29, 200, 000 1, 513, 562 1, 007, 698	11,000,000	11,000,000	11, 800, 050	15, 200, 000	46,000,000 \$ 8,744,739
Goodwill and other intangibles writ- terform Other additions or deductions (net)				165, 506	65, 592	17, 375		2, 400, 029	1 553, 768	\$ 85,004	1, 332, 426
Surplus end of the year	23, 806, 464	27, 999, 227	36, 171, 981	2, 064, 102	12, 122, 425	4, 915, 221	16, 955, 097	29, 732, 814	39, 154, 393	50, 203, 796	40, 696, 775

Denotes loss..

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales	\$262, 257, 472	\$265, 909, 101	\$265, 909, 101 \$266, 591, 068 \$258, 077, 426	\$258, 077, 426	\$192, 714, 619 \$166, 344, 014 \$217, 616, 507	166, 344, 014	3217, 616, 507	\$250, 635, 962	\$289, 313, 165	\$302, 999, 161	\$4, 735, 995, 263
Cost of good sold Distribution and administrative ex-	207, 581, 381	211, 754, 722	205, 035, 370	191, 956, 793	136, 145, 881	134, 707, 970	173, 268, 137	202, 279, 882	230, 383, 088	244, 881, 642	3, 808, 101, 461
	22, 542, 334	15, 971, 460	20, 002, 145	20, 927, 821	15, 510, 855	12, 961, 317	18, 668, 549	19, 408, 529	24, 291, 857	24, 330, 988	339, 516, 022
Total operating expenses	230, 123, 705	227, 726, 182	225, 037, 515	212, 884, 614	151, 656, 736	147, 669, 287	191, 936, 686	-221, 688, 411	254, 674, 945	269, 212, 630	4, 147, 617, 483
Net profit on sales. Other income (net)	32, 133, 767 1, 014, 441	38, 182, 919 537, 243	41, 553, 553	45, 192, 812	41, 057, 883 649, 319	18, 674, 727 827, 694	25, 679, 831 623, 479	28, 947, 551 559, 659, 095	34, 638, 220 357, 150	33, 786, 631	588, 377, 780 8, 401, 714
Net income applicable to total investment Less interest on long-term debt	33, 148, 208	38, 720, 162	42, 144, 172	45, 149, 696	41, 707, 202	19, 502, 421	26, 303, 300	29, 506, 646	34, 995, 370	33, 594, 125	596, 779, 494
Net income applicable to stock- holders' investment Provision for Federal income and	33, 148, 208	38, 720, 162	42, 144, 172	45, 149, 696	41, 707, 202	19, 502, 421	26, 303, 300	29, 506, 646	34, 995, 370	33, 594, 125	594, 942, 877
profits taxes.	4, 258, 543	4, 218, 412	5, 024, 385	5, 624, 852	6, 263, 236	1,866,958	3, 405, 501	4, 101, 465	6, 140, 426	5, 378, 099	94, 420, 881
Net income for the year	28, 889, 665 40, 696, 775	34, 501, 750 44, 869, 338	37, 119, 787 51, 579, 859	39, 524, 844 55, 836, 524	35, 443, 966 62, 233, 341	17, 635, 463 65, 908, 141	22, 897, 799 57, 061, 863	25, 405, 181 48, 598, 757	28, 854, 944	28, 216, 026	500, 521, 996
Total	69, 586, 440	79, 371, 088	88, 699, 646	95, 361, 368	97, 677, 307	83, 543, 604	79, 959, 662	74, 003, 938	71, 350, 099	69, 964, 316	
Less dividends paid on— Common stock in eash Common stock in stock Freferred stock in eash	26, 000, 000	25, 500, 000	30, 000, 000	30, 000, 000	30, 000, 000	30, 000, 000	30, 000, 000	30, 000, 000	30, 000, 000	28, 500, 000	384, 350, 000 80, 000, 000
Total Federal income tax refunds	26, 000, 000	25, 500, 000	30, 000, 000	30, 000, 000	30, 000, 000	30, 000, 000	30, 000, 000	30, 000, 000	30, 000, 000	28, 500, 000	474, 631, 250
Loss from damaged tobacco. Premium on retirement of preferred			1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		613, 654	10, 459, 128 2, 270, 806
Goodwill and other intangibles written	1	-									4, 000, 000
Other additions or deductions (net)	1, 282, 898	2, 291, 229	2, 863, 122	3, 128, 027	1, 769, 166	1 3, 518, 259	1, 360, 905	1, 508, 783	1 398, 191		1, 332, 426
Surplus end of the year	44, 869, 338	51, 579, 859	55, 836, 524	62, 233, 341	65, 908, 141	57, 061, 863	48, 598, 757	42, 495, 155	41, 748, 290	40, 850, 662	

Denotes loss.
Additions to surplus.

APPENDIX TABLE 4.—Summary of investments, profits, and rates of return for P. Lorillard Co., 1917-37

4.

APPENDIA 1 A	ABDE T.	Summer y of energements,	on energy	d (coarcon	Project, and	6						
	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Capital stock: 1. Preferred. 2. Common	\$11, 307, 600 \$	11, 307 15, 155	, 600 \$11, 307, 600 , 600 24, 248, 920	\$11, 307, 600 \$11, 307, 600 \$11, 307, 600 \$24, 248, 920 30, 306, 420 30, 306, 420	\$11, 307, 600 30, 306, 420	\$11, 307, 600 30, 306, 420	\$11, 307, 600 30, 306, 420	30, 306, 420	\$11, 307, 600 \$11, 307, 600 30, 306, 420	32, 166, 945	\$11, 307, 600 \$11, 307, 600 \$11, 307, 600 32, 166, 945 32, 810, 268 34, 131, 122	31, 307, 600 34, 131, 122
Total Surplus—earned and capital Surplus and contingency reserv	26, 463, 200 5, 642, 003 585, 555	26, 463, 200 8, 050, 942 2, 122, 015	35, 556, 520 7, 164, 878 4, 203, 183	35, 556, 520 8, 444, 136 969, 636	41, 614, 020 10, 743, 197 1, 285, 961	41, 614, 020 12, 593, 420 816, 331	41, 614, 020 14, 673, 330 926, 773	41, 614, 020 14, 830, 902 497, 710	41, 614, 020 12, 440, 373 1, 461, 436	43, 474, 545 13, 586, 324 838, 975	44, 117, 868 13, 406, 537 790, 760	45, 438, 722 14, 421, 982 1, 165, 399
	101,000	1, 240, 280	2, 396, 230	1, 921, 126	1, 257, 335	1, 001, 031	929, 413	614, 465	550, 000	671, 646	628, 934	380, 539
8. Capital stock and surplus.	32, 791, 758	37, 876, 437	49, 320, 811	46, 891, 418	54, 900, 513	56, 024, 802	58, 143, 536	57, 557, 097	56, 065, 829	58, 571, 490	58, 944, 099	61, 406, 642
9. Less goodwill, appreciation, and other intangibles.	21, 132, 777	21, 132, 777	21, 132, 777	21, 137, 777	21, 137, 927	21, 137, 927	21, 147, 927	21, 147, 927	21, 149, 227	21, 228, 892	21, 228, 892	21, 270, 981
10. Stockholders' investment	11, 658, 981 21, 144, 250	16, 743, 660 21, 065, 050	28, 188, 034 20, 977, 350	25, 753, 641 20, 888, 850	33, 762, 586 20, 795, 900	34, 886, 875 20, 701, 800	36, 995, 609 20, 615, 600	36, 411, 170 20, 529, 950	34, 916, 602 20, 445, 150	37, 342, 598 20, 358, 950	37, 715, 207 20, 275, 200	40, 135, 661 34, 337, 200
12. Total investment	32, 803, 231	37, 808, 710	49, 165, 384	46, 642, 491	54, 558, 486	55, 588, 675	57, 611, 209	56, 939, 120	55, 361, 752	57, 701, 548	57, 990, 407	74, 472, 861
64		35, 305, 971	43, 487, 047	47, 903, 937	50, 600, 488	55, 073, 580	56, 599, 942	57, 275, 164	56, 150, 436	56, 531, 650	57, 845, 977	66, 231, 634
14, Average of stockholders' invest- ment 1	1	14, 201, 320	22, 465, 847	26, 970, 837	29, 758, 113	34, 324, 730	35, 941, 242	36, 702, 389	35, 662, 886	36, 129, 600	37, 528, 902	38, 925, 431
15; Average of common stockholders' equity 1.	1	2, 893, 720	11, 158, 247	15, 663, 237	18, 450, 513	23, 017, 130	24, 633, 642	25, 394, 789	24, 355, 286	24, 822, 000	26, 221, 302	27, 617, 834
		8, 291, 582	9, 136, 545	7, 182, 760	8, 690, 136	8, 447, 185	9, 099, 607	6, 901, 289	6, 974, 046	7, 494, 696	5, 966, 565	4, 481, 779
		7, 028, 479	7,880,095	5, 932, 145	7, 445, 276	7, 208, 324	7, 868, 444	5, 676, 042	5, 754, 837	6, 281, 431	4, 759, 198	2, 867, 787
18. Applicable to common stock-holders' equity.		6, 236, 947	7, 088, 563	5, 140, 613	6, 653, 744	6, 416, 792	7, 076, 912	4, 884, 510	4, 963, 365	5, 489, 899	3, 967, 666	2, 076, 255
Rate of return on total investment (16+13)percent	1	23. 48	21.01	14.99	17. 17	15.34	16.08	12.05	12.42	13. 26	10.31	6.77
Rate of return on stockholders' investment (17÷14)percent.	1	49.49	35.08	21.99	25.02	21.00	21.89	15, 47	16.14	17.39	12.68	7.37
Rate of return on common stock- holders' equity (18+15)percent		215.53	63. 53	32.82	36.06	27. 88	28. 73	19.23	20.38	22. 12	15. 13	7.52
					The state of the s		-					

Annual	1				\$60, 404, 420 38, 881, 334 27, 984, 525	6, 228, 727 4, 922, 910 4, 158, 627	10.31	16.66	14.86
1937	\$9, 800, 000 18, 722, 909	28, 522, 909 13, 685, 860 446, 768 54, 016	42, 709, 553	42, 709, 552 11, 896, 950	54, 606, 502 55, 057, 264 43, 121, 664 33, 321, 664	3, 374, 674 2, 664, 712 1, 978, 712	6. 13	6. 18	5.94
1936	\$9, 800, 000 18, 722, 909	28, 522, 909 14, 232, 338 157, 988 567, 028 53, 513	43, 533, 776	43, 533, 775 11, 974, 250	55, 508, 025 56, 262, 016 43, 678, 766 33, 878, 766	4, 765, 819 4, 018, 530 3, 332, 530	8.47	9. 20	9.84
1935	\$9, 800, 000 18, 722, 909	28, 522, 909 14, 550, 445 185, 888 508, 182 56, 333	43, 823, 757	43, 823, 756 13, 192, 250	57, 016, 006 57, 544, 711 43, 864, 961 34, 064, 961	4, 378, 103 3, 556, 142 2, 870, 142	7.61	8. 11	8. 43
1934	\$9, 800, 000 18, 722, 909	28, 522, 909 14, 658, 647 180, 967 482, 035 61, 608	43, 906, 166	43, 906, 165 14, 167, 250	58, 073, 415 59, 652, 347 45, 039, 997 35, 161, 197	4, 276, 930 3, 390, 740 2, 704, 341	7.17	7.53	7.69
1933	\$9, 957, 600 18, 886, 709	28, 844, 309 16, 866, 640 305, 656 96, 288 60, 937	46, 173, 830	46, 173, 829 15, 057, 450	61, 231, 279 66, 411, 980 50, 669, 030 40, 036, 430	3, 557, 608 2, 605, 813 1, 911, 406	5.36	5, 14	4.77
1932	\$11, 307, 600 44, 541, 027	55, 848, 627 19, 473, 288 342, 896 767, 758	76, 432, 569 21, 268, 339	55, 164, 230 16, 428, 450	71, 592, 680 73, 496, 901 55, 365, 701 44, 058, 101	6, 390, 983 5, 280, 176 4, 542, 019	8.69	9. 54	10.31
1931	\$11, 307, 600 45, 031, 602	56, 339, 202 19, 585, 158 238, 167 672, 984	76, 835, 511	55, 567, 172 19, 833, 150	75, 400, 322 80, 396, 368 53, 908, 499 42, 600, 899	7, 315, 779 5, 542, 742 4, 751, 210	9. 10	10.28	11.15
1930	\$11, 307, 600 45, 031, 602	56, 339, 202 •16, 576, 073 147, 726 455, 164	73, 518, 165	52, 249, 829 33, 142, 588	85, 392, 414 84, 501, 072 50, 761, 178 39, 453, 578	6, 071, 879 4, 093, 311 3, 301, 779	7. 19	8.06	8.37
1929	\$11, 307, 600 45, 031, 602	56, 339, 202 13, 753, 242 315, 755 132, 671	70, 540, 870 21, 268, 339	49, 272, 531 34, 337, 200	83, 609, 731 78, 366, 386 44, 027, 686 32, 720, 086	3, 914, 236 1, 459, 465 667, 933	4.99	3, 31	2.04
1928	\$11, 307, 600 \$11, 307, 600 \$11, 307, 600 \$11, 307, 600 \$11, 307, 600 \$4, 131, 122 \$45, 031, 602 \$45	45, 438, 722 13, 843, 801 537, 857 230, 484	60, 050, 864 21, 268, 023	38, 782, 841 34, 340, 200	73, 123, 041 73, 797, 951 39, 459, 251 28, 151, 651	4, 091, 058 2, 067, 428 1, 275, 896	5.34	5.24	4.53
	Capital stock: 1. Preferred 2. Common	3. Total 4. Surplus, earned and espital 5. Surplus and contingency reserves 6. Reserve for Federal income and profits taxes. 7. Minority stockholders' equity in subeidiary.	8. Capital stock and surplus 9. Less goodwill, appreciation, and other intangibles	10. Stockholders' investment	12. Total investment 13. Average of total investment 14. Average of stockholders' investment 15. Average of stockholders' equity 15. Average of common stockholders' equity 16. Average of common stockholders' equity 17. Average of common stockholders' equity 18. Average of common sto	16. Applicable to total investment. 17. Applicable to stockholders' investment. 18. Applicable to sommon stockholders' equity. 18. Rate of return on total invasion (16-13)	Rate of return on stockholders' investment	(17 + 14) Rate of return on common stockholders' scuiry	(18 + 15) Percent.

¹ Less unamortized debt discount and expense.

Average of investment at beginning and end of year.

APPENDIX TABLE 4A.—Summary of income, expenses, and surplus, for P. Lorillard Co., 1917-37

	1917	1918	6161	1920	1821	1922	1923	1924	1925	1926	1927
Net sales	\$60, 461, 068	\$82, 612, 191	\$78, 533, 021	\$83, 841, 563	\$84, 331, 874	\$77, 300, 268	\$65, 370, 236	\$62, 690, 779	\$60, 628, 004	\$56, 619, 217	\$66, 889, 428
ministrative expenses 10	575, 396 385, 014	61, 007, 114 12, 061, 425	61, 386, 969	66, 592, 677 8, 928, 689	64, 780, 353 11, 237, 983	57, 352, 828 11, 767, 358	48, 459, 681 10, 942, 345	45, 619, 660 10, 747, 188	44, 188, 364 10, 170, 174	40, 994, 006 10, 421, 603	49, 590, 484 13, 902, 970
Total operating expenses	960, 410	73, 058, 539	71, 626, 378	75, 521, 366	76, 018, 336	69, 120, 186	59, 402, 026	56, 366, 848	54, 358, 538	51, 415, 609	63, 493, 454
Net profit on sales. 77 Other income (net).	7, 500, 658	9, 553, 652	6, 906, 643	8, 320, 197	8, 313, 538 133, 647	8, 180, 062	5, 968, 210 933, 079	6, 323, 931 650, 115	6, 269, 466	5, 203, 608	3, 395, 974
Net income applicable to total investment 8. Less interest on long-term debt	3, 291, 582	9, 136, 545	7, 182, 760	8, 690, 136 1, 244, 860	8, 447, 185 1, 238, 861	9, 099, 607	6, 901, 289 1, 225, 247	6, 974, 046 1, 219, 209	7, 494, 696	5, 966, 565 1, 207, 367	4, 481, 779
Net income applicable to stockholders' investment. Provision for Federal income and profits taxes 1,	7, 028, 479 1, 100, 000	7, 880, 095 2, 489, 486	5, 932, 145 951,9	7, 445, 276	7, 208, 324	7, 868, 444	5, 676, 042 638, 000	5, 754, 837 550, 000	6, 281, 431	4, 759, 198 642, 000	2, 867, 787
Net income for the year.	5, 928, 479	5, 390, 609 8, 050, 942	4, 980, 376	8, 545, 276 8, 444, 136	6, 278, 324 10, 743, 197	6, 888, 444 12, 593, 420	5, 038, 042 14, 673, 500	5, 204, 837 14, 830, 902	5, 641, 431 12, 440, 373	4, 117, 198 13, 586, 233	2, 490, 787 13, 406, 537
Total	11, 570, 482	13, 441, 551	12, 145, 254	14, 988, 412	17, 021, 521	19, 481, 864	19, 711, 372	20, 035, 739	18, 081, 804	17, 703, 431	15, 897, 324
Less dividends paid on— Common stock in essh	2, 728, 008	2, 454, 021 3, 031, 120 791, 532	2, 909, 586	3, 454, 683	3, 636, 569	4, 017, 002	4, 088, 938	3, 803, 834	3, 704, 039	2, 205, 848 1, 299, 514 791, 532	14, 496 669, 314 791, 532
Total a Appropriation to or from reserves	3, 519, 540	6, 276, 673	3, 701, 118	4, 246, 215	4, 428, 101	4, 808, 534	4, 880, 470	4, 595, 366	4, 495, 571	4, 296, 894	1, 475, 342
Surplus end of the year	3, 050, 942	7, 164, 878	8, 444, 136	10, 743, 197	12, 593, 420	14, 673, 330	14, 830, 902	12, 440, 373	13, 586, 233	13, 406, 537	14, 421, 982

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales	\$82, 992, 682	\$87, 112, 525	\$87, 395, 220	\$78, 447, 777	\$64, 067, 913	\$56, 920, 863	\$59, 054, 188	\$58, 587, 149	\$67, 127, 695	\$75, 962, 586	\$1, 496, 946, 247
Cost of goods sold Distribution and administrative expenses	63, 390, 204 16, 190, 318	70, 352, 936 13, 277, 685	70, 264, 862	61, 743, 945 9, 921, 260	47, 423, 467 10, 598, 133	46, 159, 058	46, 541, 787 8, 632, 242	45, 413, 914 9, 286, 496	49, 866, 408 12, 753, 925	58, 101, 819 14, 696, 264	1, 141, 805, 932 235, 085, 033
Total operating expenses	79, 580, 522	83, 630, 621	81, 797, 777	71, 665, 205	58, 021, 600	53, 560, 695	55, 174, 029	54, 700, 410	62, 620, 333	72, 798, 083	1, 376, 890, 965
Net profit on sales	3, 412, 160 678, 898	3, 481, 904	5, 597, 443	6, 782, 572 533, 207	6,046,313	3, 390, 168	3, 880, 159	3, 886, 739	4, 507, 362 258, 457	3, 164, 503	120, 055, 282 10, 747, 977
Net income applicable to total investment Less interest on long-term debt	4, 091, 058	3, 914, 236 2, 454, 771	6, 071, 879 1, 978, 568	7, 315, 779	6, 390, 983	3, 557, 608 951, 795	4, 276, 930 886, 190	4, 378, 103 821, 961	4, 765, 819 747, 289	3, 374, 674 709, 962	130, 803, 259 27, 422, 142
Net income applicable to stockholders' invest- ment. Provision for Federal income and profits taxes	2, 067, 428 250, 000	1, 459, 465 115, 000	4, 093, 311	5, 542, 742, 685, 000	5, 280, 176	. 2, 605, 813 213, 692	3, 390, 740 543, 379	3, 556, 142 491, 851	4, 018, 530	2, 664, 712 375, 672	103, 381, 117 14, 559, 973
Net income for the year	1,817,428	1, 344, 465 13, 843, 801	3, 623, 311 13, 753, 242	4, 857, 742	4, 556, 052 19, 585, 158	2, 392, 121 19, 473, 288	2, 847, 361 16, 866, 640	3,064,291 14,658,647	3, 525, 530 14, 550, 445	2, 289, 040 14, 232, 338	88, 821, 144
. Total	16, 239, 410	15, 188, 266	17, 376, 553	21, 433, 815	24, 141, 210	21, 865, 409	19, 714, 001	17, 722, 938	18, 075, 975	16, 521, 378	
Less dividends paid on— Common stock in cash Common stock in stock Preferred stock in cash	791, 532	791, 532	791, 532	573, 031	2, 268, 703	2, 266, 387	4, 152, 838	2, 246, 890	2, 808, 246	2, 246, 611	49, 579, 730 4, 999, 948 16, 049, 943
Total Appropriation to or from reserves	791, 532	791, 532	791, 532	1, 364, 563	3,006,860	2, 960, 794	4, 839, 237	2, 932, 890	3, 494, 246	2, 932, 611 3 130, 758	70, 629, 621 3, 089, 074
Wifte-down of real estade, machinery, and equipment. Bent. Goodwill and other intangibles written off. Reduction in stated value of common stock. Other deductions (ret).	31,604,077	643, 492	8, 948	484, 094	686, 062	6, 643, 443 22, 510, 816 25,634,568 3 726, 548	216, 117	239, 603	349, 391	33,665	6, 643, 443 22, 510, 816 25, 634, 568 2, 852, 839
Surplus end of the year	13, 843, 801	13, 753, 242	16, 576, 073	19, 585, 158	19, 473, 288	16, 866, 640	14, 658, 647	14, 550, 445	14, 232, 338	13, 685, 860	

1 Denotes loss.
2 Additions to surplus.
3 Additional Federal income tax.

APPENDIX LABLE 3.—Summary of investments, profits, and rates of return for Axion-Fisher Tobacco Co., 1918-37	nmary of 1	nvestmen	ts, profits,	, and rate	s of returi	ı jor Axto	n-Fisher	Торассо	0., 1918	-87	
	. 1917	1918	1919	1920	1921	1922	1923	1924	1925 1	1926	1927
Capital stock: 1. Preferred. 2. Common	\$64,000	\$64,000	\$64,000	\$448,000	\$448,000	\$300,000	\$300,000	\$288,000 448,000	\$274, 300 448, 000	\$440,900	\$400, 300 452, 700
3. Total 1. Surplus—earned and capital. 5. Reserve for Federal income and profits taxes	64,000 345,069	64,000	64,000 431,355	448,000	448, 000 127, 590	748,000 245,624	748, 000 212, 003	736,000	722, 300 396, 502	888, 900 529, 943	853, 000 1, 008, 225
6. Capital stock and surplus	409, 069	484, 863 144, 627	495, 355 144, 627	508, 417 144, 627	575, 590 145, 627	993, 624	960, 003 145, 627	970, 235 145, 627	1, 118, 802 145, 627	1, 418, 843 211, 686	1, 861, 225 290, 590
S. Total investment	264, 442	340, 236	350, 728	363, 790	429, 963	847, 997	814, 376	824, 608	973, 175	1, 207, 157	1, 570, 635
9. Average of total Investment ? 10. Average of common stockbolders' equity ? Net income before deducting Federal Income		302, 339 302, 339	345, 482 345, 482	357, 259 357, 259	396, 876 396, 876	638, 980 488, 980	831, 186 531, 186	819, 492 525, 492	898, 891 617, 741	1, 090, 166 732, 566	1, 388, 896 968, 276
and prouts taxes: 1. Applicable to total investment 12. Applicable to common-stock equity Rate of return on total investment (11+9), percent. Rate of return on common stockholders' equity (12+10).		66, 381 66, 381 21, 96 21, 96	53, 814 53, 814 15, 58 15, 58	43, 587 43, 587 12, 20 12, 20	74, 274 74, 274 18, 71	136, 094 136, 094 21. 30 27. 83	119, 061 98, 061 14. 32	108, 091 - 87, 721 13. 19	281, 979 262, 055 31, 37 42, 42	313, 297 221, 065 30, 12 32, 39	725, 591 696, 149 52, 24 71, 89
			_								

al se					812	550, 488 513, 778 19. 59	99.
Annual		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			\$2, 809, 722 2, 083, 812	550, 513,	24.
1937	\$1, 418, 600 1, 574, 770	2, 993, 370 4, 269, 068 748	7, 263, 186 329, 170	6, 934, 016	7, 052, 343 5, 610, 843	241, 409 241, 409 3. 42	4.30
1936	\$1, 464, 400 1, 574, 770	3, 039, 170	7, 497, 100	7, 170, 671	7, 191, 820 5, 690, 020	608, 074 516, 619 8, 46	80.6
1935	\$1, 539, 200 1, 574, 770	3, 113, 970 4, 342, 827 82, 602	7, 539, 399 326, 429	7, 212, 970	7, 291, 015 5, 711, 265	597, 186 500, 002 8. 20	8.77
1934	\$1, 620, 300 1, 574, 770	3, 195, 070 4, 264, 141 236, 218	7, 695, 429	7, 369, 060	6, 907, 215 5, 244, 265	1, 706, 125 1, 605, 035 24, 74	30.66
1933	\$1, 705, 600 1, 574, 770	3, 280, 370 3, 221, 786 268, 534	6, 770, 690	6, 445, 370	5, 830, 451 4, 087, 651	1, 958, 196 1, 850, 760 33, 59	45.28
1932	\$1, 780, 000	3, 354, 000 1, 953, 305 226, 851	5, 534, 156 318, 624	5, 215, 532	4, 193, 417 2, 878, 417	1, 643, 803 1, 573, 022 39. 20	54.65
1931	\$850,000 1,525,000	2, 375, 000 1, 030, 541 83, 369	3, 488, 910	3, 171, 302	3, 141, 619 2, 268, 669	688, 921 649, 501 21. 93	28. 63
1930	\$895, 900 1, 570, 000	2, 465, 900 861, 160 101, 964	3, 429, 024	3, 111, 936	2, 942, 811	844, 962 830, 035 28. 71	41.09
1929	\$950,000	2, 450, 000 574, 036 66, 513	3, 090, 549	2, 773, 686	2, 647, 859 1, 672, 859	600, 579 585, 652 22, 68	35.01
1928	\$1,000,000	2, 500, 000 313, 783 23, 839	2, 837, 622 315, 590	2, 522, 032	2, 046, 333 1, 346, 183	198, 335 184, 325 9, 69	13.69
	Capital stock: 1. Preferred 2. Common	73. Total and capital 4. Surplus-earned and capital 5. Reserve for Federal income and profits tax	6. Capital stock and surplus. 7. Less goodwill and other intangibles	8. Total investment	9. Average of total investment 2	and profits taxes: 11. Applicable to total investment. 12. Applicable to common-stock equity. Rate of return on total investment (11 ÷ 9)percent.	Kate of return on common-stock holders equity (12+10)percent

 $^{\rm I}$ Denotes loss. $^{\rm 2}$ Average of investment at beginning and end of year.

APPENDIX TABLE 54.—Summary of income, expenses, and surplus for Axion-Fisher Tobacco Co. 1918-37

	1928	\$4, 121, 684	2, 851, 793	1,091,541	3, 943, 334	178, 350	198, 335	23,800	174, 535	1, 182, 760	110,000	14,010	1,069,510	313, 783
8-37	1927	\$4, 971, 719	3, 334, 674	923, 191	4, 257, 865	713,854	725, 591	97, 955	627, 636 529, 943	1, 157, 579	112,000	29, 442	141, 442	1,008,225
Axion-Fisher Tobacco Co., 1918-3.	1926	\$3, 407, 975	2, 438, 568	660, 617	3,099,185	308, 790 4, 507	313, 297	42, 295	271,002 396,502	667, 504	44, 800	92, 232	137, 032 529	529, 943
er 1 ooacc	1925	\$2, 950, 171	2, 092, 620	588, 737	2, 681, 357	268,814 13,165	281, 979	36, 657	245, 322 234, 235	479, 557	44, 800	19,924	64, 724 18, 331	396, 502
reon-r	1924	\$2, 665, 016	1, 913, 168	653, 611	2, 566, 779	98, 237 9, 854	108,091	13, 511	94, 580 212, 003	306, 583	44, 800	20,370	65, 170 7, 178	234, 235
ptus Jor A	1923	\$2, 816, 200	2,044,844	665, 544	2, 710, 388	105, 812 13, 249	119, 061	14,882	104, 179 245, 624	349, 803	44, 800	21,000	65, 800 72, 000	212, 003
ammary of encome, expenses, and surpius for	1922	\$2, 412, 858	1, 742, 309	535, 792	2, 278, 101	134, 757	136, 094	17,012	119,082 127,590	246,672			1,048	245, 624
, expenses	1921	\$1, 118, 987	873, 681	244, 829	1, 118, 510	73, 797	74, 274	14, 652	59,622 60,417	120,039			2 7, 551	127, 590
o) income	1920	\$772, 845	644, 478	144, 086	788, 564	115,719 59,306	43, 587	8,747	34, 840 431, 355	466, 195	22, 400		406, 400 1 622	60, 417
Summary	1919	\$815, 294	640, 247	120, 111	760, 358	54, 936 11, 122	. 53, 814	10, 119	43, 695 420, 863	464, 558			33, 203	431, 355
SLE JA.	. 8161	\$923, 669	554, 379	302, 909	857, 288	66, 381	66, 381	20, 555	45, 826 299, 243	345,069			1 75, 794	420, 863
AFFENDIA 4 ABLE JA.		Net sales	Cost of goods soid	penses.	Total operating expenses	Net profit on salesOther income (net)	Net income applicable to total investment		Net income for the yearSurplus beginning of year	Total	Less dividends paid on— Common stock in cash Common stock in stock	Preferred stock in cash	Total Other additions or deductions (net)	Surplus end of the year

	1929	1930	1931	1932	1933 .	1934	1935	1936	1937	Total
124 Net sales	\$5, 333, 715	\$6, 277, 108	\$6, 292, 837	\$17, 608, 701	\$23, 683, 139	\$28, 531, 842	\$20, 542, 983	\$17, 230, 817	\$19, 254, 815	\$171, 732, 375
G Cost of goods sold Distribution and administrative expenses.	3, 638, 467 1, 110, 921	4, 156, 696 1, 263, 965	4, 112, 123	13, 898, 501 2, 004, 311	19, 293, 043 2, 402, 804	23, 880, 503 2, 954, 924	17, 434, 198 2, 650, 168	14, 393, 043 2, 433, 799	16, 371, 633 2, 658, 914	136, 308, 968 24, 909, 793
Total operating expenses	4, 749, 388	5, 420, 661	5, 611, 142	15, 902, 812	21, 695, 847	26, 835, 427	20,084,366	16, 826, 842	19, 030, 547	161, 218, 761
Substitution New York Company of the New York Company	584, 327 16, 252	856, 447 111, 485	681,695	1, 705, 889	1,987,292	1, 696, 415 9, 710	458, 617 138, 569	403, 975 204, 099	224, 268 17, 141	10, 513, 614 496, 145
Net income applicable to total investment Provision for Federal income and profits targs	600, 579 65, 567	844, 962 101, 964	688, 921 83, 369	1, 643, 803 226, 851	1, 958, 196 268, 533	1, 70 6 , 125 236, 218	597, 186 83, 933	608, 074 73, 760	241, 409 1, 089	11,009,759
Net income for the year	535, 012 313, 783	742, 998 574, 036	861, 160	1, 416, 952 1, 030, 541	1, 689, 663 1, 953, 305	1, 469, 907 3, 221, 786	513, 253 4, 264, 141	534, 314 4, 342, 827	240, 320 4, 457, 930	9, 568, 290
Total	848, 795	1, 317, 034	1, 466, 712	2, 447, 493	3, 642, 968	4, 691, 693	4, 777, 394	4, 877, 141	4, 698, 250	
Less dividends paid on— Common stock in eash. Common stock in stock. Preferred stock in eash.	260,000	260,000 70,000 14,926	288,000	354, 758	324, 708	324, 680	324, 707	324, 707		2, 885, 160 1, 399, 500 734, 195
Total Other additions or deductions (net)	274, 926	344, 926 110, 948	327, 420 108, 751	425, 539 68, 649	432, 144 2 10, 962	425, 769 1, 783	421, 891 12, 676	416, 162 3, 049	429, 182	5, 018, 855 579, 610
Surplus end of the year.	574, 036	861, 160	1, 030, 541	1, 953, 305	3, 221, 786	4, 264, 141	4, 342, 827	4, 457, 930	4, 269, 068	

Denotes loss.
Additions to surplus.

APPENDIX TABLE 6.—Summary of investments, profits, and rates of return for Brown & Williamson Tobacca, Co., 1928-37

L 6	708	•	•		CC) IN	Cur	11	ΝŢ	K.	ΑΊ	110	Q.	V ()F	
	Annual	average								1 1			43, 257, 245 \$20, 793, 535	1.801.293	8.66	
100001	1937		-	6, 000, 000	10,000,000	1, 123, 467	000	070	30, 080, 943		44 120 049		43, 257, 245	4, 075, 209	9. 42	
10-0001 1000-01	1936			o, www. pwo	10,000,000	123, 467	1 670 820		1	8,060,303	42/383 548		41, 678, 096	7, 423, 297	17.81	
	1935		\$4,000,000		10,000,000	123, 467	1,303,086	2) 200		7, 054, 235	40. 972. 644		37, 977, 593	5, 559, 418	14.64	
	1933		\$4,000,000	-	1, 341, 891		1, 011, 957		4, 156, 694	30,.825, 548	34, 982, 542	94 997 504	24, 237, 384	3, 942, 711	16. 27	
•	1933		\$4,000,000		4, 400, 000 4, 400, 000 8, 060, 655 1 4, 632, 861	57, 450	664, 559		489, 148	23, 003, 479	13, 492, 627	16 002 694		2, 527, 901	14,88	
	1932		\$4,000,000		4, 400, 000	46, 430	397, 080		1 3, 317, 145	23, 712, 100	20, 495, 021	14 891 319	11,001,	3, 635, 914	24, 42	
	1931		\$4,000,000		111, 299, 489	31, 553			1 6, 867, 936	20, 100, 102	9, 287, 603	8. 296. 044		1 205, 488	1 2. 48	
	1930		\$4,000,000 \$4,000,000 400,000	1	4, 400, 000 110, 253, 851		-		13, 158, 337		7, 304, 486	8, 117, 162		3, 032, 527	1 37. 36	
	1929		\$4,000,000	4 400 000	1 6, 584, 626			10 104 000	11, 114, 464		8, 929, 838	7, 445, 162		4, 219, 533	1 56. 67	
	1928		\$4,000,000	4 400 000	1 277, 824 1 1, 970, 790			0 490 910	3, 531, 276	000	5, 950, 486	5, 041, 331	1 1 000 000	. 1, 092, 96h 4, 219, 533 1 3, 032, 527	1 33. 58	
	1927		\$4,000,000 400,000					4 199 176	- :	4 100 170	2, 122, 170					
		Capital stock:	1. Preferred 2. Common	3. Total	4. Surplus—earned and capital	b. Keserve for Federal income and profits taxes		Capital stock and surplus	8. Long-term debt.	9. Total investment	OI.	11. Net income before deducting Edd	eral income and profits taxes	Rate of return on total investment	- nanad	

Denotes deficit or loss.

A verage of investment at beginning and end of year.

APPENDIX TABLE 6A .-- Summary of income, expenses, and surplus for Brown & Williamson Tobacco Co., 1928-37

	1928	1929	1930	1931	1932	1933	1934	1985	1936	1927	Total
Net sales.	\$5, 965, 413	\$9, 837, 761	\$8, 495, 234	\$14, 082, 223	\$50, 148, 040	\$44, 641, 180	\$70, 919, 898	\$85, 601, 582	\$94, 338, 141	\$100, 141, 863	\$484, 171, 335
Cost of goods sold.	4, 994, 721	8, 414, 350	7,028,132	11, 405, 954	42, 153, 194	37, 818, 069	60, 693, 738	73, 037, 919	79, 133, 689	86, 438, 270	411, 118, 036
	2, 535, 788	5, 467, 865	4, 169, 227	2, 703, 184	4, 299, 752	4, 219, 795	6, 216, 938	7, 252, 724	8, 177, 560	9, 041, 727	54, 085, 560
Total operating expenses	7, 531, 509	13, 882, 215	11, 197, 359	14, 109, 138	46, 452, 946	42, 037, 864	66, 910, 676	80, 290, 643	87, 311, 249	95, 479, 997	465, 203, 596
Net profit on salesOther income (net)	11,566,096	1 4, 044, 454	1 2, 702, 125 1 330, 402	1 26, 915 1 178, 573	3, 695, 094	2,603,316	4,009,222	5, 310, 939	7, 026, 892	4, 661, 866	18, 967, 739
Net income applicable to total investment	11, 692, 966	14, 219, 533	13, 032, 527	1 205, 488	3, 635, 914	2, 527, 901	3, 912, 711	5, 559, 418	7, 423, 297	4, 074, 209	18, 012, 936
Less— Interest on long-term debt		394, 303	636, 698	840, 150				817, 254	306, 380	540, 853	3, 535, 638
profits taxes					397, 080	600, 107	721, 741	859, 317	1,087,927	644, 406	4, 310, 578
Net income for the yearSurplus beginning of year	1 1, 692, 966 1 277, 824	1 4, 613, 836 1 1, 970, 790	1 3, 669, 225 1 6, 584, 626	11, 045, 638 110, 253, 851	3, 238, 834	1, 927, 794	3, 220, 970	3, 882, 847	6, 028, 990 22, 490, 956	2, 888, 950 22, 519, 946	10, 166, 720
Total	1 1, 970, 790	1 6, 584, 626	110, 253, 851	111, 299, 489	1 8, 060, 655	1 6, 132, 861	1 1, 411, 891	2, 540, 956	28, 519, 946	25, 408, 896	
Less dividends paid in cash on- Common stock								2, 450, 000	5, 720, 600	\$ 6,000,000 280,000	11, 720, 000 3, 010, 000
Total Paid-in surplus through release of in-								2, 450, 000 .	6, 000, 000	6, 280, 000	14, 730, 000
debtedness Reserved for special advertising			4			\$ 1, 500, 000	\$ 70,000	22, 400, 000		1,000,000	3 23, 970, 000 1, 000, 300
Surplus end of the year	1 1, 970, 790	1 6, 584, 626	110, 253, 851	111, 299, 489	1 8, 060, 655	1 4, 632, 861	11,341,891	22, 490, 956	22, 519, 946	18, 128, 896	
1 Denotes loss or deficit.	deficit.		2 Paid-ir	6 percent u	² Paid-in 6 percent unsecured notes.	*80		Denotes ad	Denotes addition to surplus.	plus.	

APPENDIX TABLE 7.—Summary of investments, profits, and rates of return for General Cigar Co., Inc., 1917-37

			1929	1924	1925	1926	1927	1
\$5, 000, 000 \$5, 000, 000 \$9, 620, 800 18, 104, 000 18, 104, 000	\$9,620,800 \$9,420, 18,104,000 18,104,	20, 600 \$9, 200, 000 04, 000 18, 104, 000	\$9,000,000 18,104,000	\$8, 500, 000 18, 104, 000	\$7, 280, 000 18, 104, 000	\$7, 255, 200 362, 576	\$5,000,000 407,570	
23, 104, 000 23, 104, 000 27, 724, 800 5, 127, 537 5, 755, 726 7, 209, 838 840, 000 780, 000	27, 724, 800 27, 8, 894, 144 9, 3	360, 000 27, 304, 000 368, 956 6, 163, 869 360, 000 427, 000	27, 104, 000 7, 472, 270 494, 000	26, 604, 000 8, 145, 539 420, 000	25, 384, 000 8, 838, 676 450, 000	7, 617, 776 12, 209, 948 450, 000	5, 407, 570 15, 692, 878 550, 000	
35,	1	33,	35,	- [34, 672, 676	20, 277, 724	21, 650, 448	
19, 326, 003 19, 326, 003 19, 326, 003 19, 326, 003	1 202, 740 1 1 19, 326, 003 19, 3	1 178, 848 141, 660 19, 326, 003 15, 000, 000	30 1 169, 668 30 15, 000, 000	1 141, 600 15, 000, 000	15, 000, 000	1	1	
905, 534 10, 373, 723 16, 298, 590	17, 852, 701 17, 7	17, 748, 105 18, 853, 2	209 19, 900, 602 7, 700, 000	19, 027, 939 7, 700, 000	19, 672, 676 6, 966, 489	20, 277, 723 6, 278, 589	21, 650, 447 5, 578, 844	
905, 534 10, 373, 723 16, 298, 590	17, 852, 701 17, 748,	105 18, 853,	209 27, 600, 602	26, 727, 939	26, 639, 165	26, 556, 312	27, 229, 291	
748, 512 9, 639, 629 13, 336, 156 748, 512 9, 639, 629 13, 336, 156	17, 075, 646 17, 8 17, 075, 646 17, 8	17, 800, 403 18, 300, 657 17, 800, 403 18, 300, 657	23, 226, 906 19, 376, 906	27, 164, 270 19, 464, 270	26, 683, 552 19, 350, 308	26, 597, 739 19, 975, 200	26, 892, 801 20, 964, 085	
748, 512 4, 639, 629 6, 070, 779	7, 601, 238 8, 470,	797 9, 100,	911 10, 382, 570	11, 369, 904	12, 031, 108	12, 707, 600	14, 836, 485	
559, 715 2, 461, 591 3, 452, 666	4, 120, 992 2, 4	423, 380 3, 124, 140	10 3, 415, 091	3, 680, 322	3, 534, 566	3, 407, 557	4, 295, 360	
589, 715 2, 461, 591 3, 452, 666	4, 120, 992 2, 4	2, 423, 380 3, 124, 140	10 3, 376, 591	3, 177, 302	3, 036, 565	2, 953, 550	3, 886, 117	
209, 715 2, 111, 591 2, 969, 778	3, 459, 261 1, 7	772, 906 2, 480, 4	490 2, 746, 980	2, 604, 179	2, 526, 118	2, 445, 481	3, 424, 080	
17.83 25.54 25.89	24. 13	13.61 17.07	14.70	13.55	13.25	12.81	15.97	
17. 83 25. 54 25. 89	24. 13	13.61	07 17.43	16.32	- 15.69	14. 79	18.54	
32. 27 45. 51 48. 92	45.51	20.93	26. 46	22,90	21.00	19.24	23.08	
27 45.51 48.	45.51	20.93		27.26 26.	27.26 26.46 22.	27, 26 26, 46 22, 90	27, 26 26, 46 22, 90 21, 00.	27.26 26.46 22.90 21.00 19.24

ral ge	000						, 675 , 901	, 025 , 649 , 410 2. 86	13.59	16.30
Annual	\$5,000,000 5,298,410						23, 789, 583 21, 414, 675 15, 077, 901	3, 059, 025 2, 909, 649 2, 457, 410 12, 86		
1937	\$5,000,000 5,298,410	10, 298, 410 13, 844, 336 337, 789	24, 480, 535	1	24, 480, 534	24, 480, 534	24, 515, 111 24, 515, 111 19, 515, 111	1, 954, 209 1, 954, 209 1, 604, 209 7, 97	7.97	8. 22
1936	\$5, 000, 000 5, 298, 410	10, 298, 410 13, 939, 352 311, 928	24, 549, 690	1	24, 549, 689	24, 549, 689	24, 754, 876 24, 754, 876 19, 754, 876	2, 107, 019 2, 107, 019 1, 757, 019 8, 51	8.51	8.89
1935	\$5, 000, 200 5, 295, 410	10, 298, 410 14, 378, 623 283, 032	24, 960, 065	1	24, 960, 064	24, 960, 064	24, 860, 013 24, 860, 013 19, 860, 013	2, 408, 050 2, 408, 050 2, 058, 050 9, 69	69.6	10.36
1934	\$5,000,000 5,298,410	10, 298, 410 14, 071, 437 390, 117	24, 759, 964	1	24, 759, 963	24, 759, 963	26, 349, 533 26, 349, 533 21, 349, 533	2, 729, 291 2, 729, 291 2, 204, 291 10.36	10.36	10.32
1933	\$5, 000, 000 5, 298, 410	10, 298, 410 17, 465, 694 175, 000	27, 939, 104	1	27, 939, 103	27, 939, 103	28, 850, 483 28, 850, 483 23, 850, 483	877, 372 877, 372 527, 372 3.04	3.04	2, 21
1932	\$5, 000, 000 5, 298, 410	10, 298, 410 19, 163, 455 300, 000	29, 761, 865	1	29, 761, 864	29, 761, 864	31, 342, 574 29, 912, 574 24, 912, 574	2, 477, 827 2, 328, 697 1, 978, 697 7. 91	7.79	7.94
1931	\$5, 000, 000 5, 298, 410	10, 298, 410 19, 389, 876 375, 000	30, 063, 286	1	30, 063, 285 2, 860, 000	32, 923, 285	33, 088, 915 29, 878, 915 24, 878, 915	3, 250, 660 3, 044, 160 2, 694, 160 9, 82	10.19	10.83
1930	\$5,000,000 5,298,410	10, 298, 410 18, 911, 137 485, 000	29, 694, 547	1	29, 694, 546 3, 560, 000	33, 254, 546	33, 177, 243 29, 265, 618 24, 265, 618	3, 934, 492 3, 682, 492 3, 332, 492 11. 86	12. 58	13.73
1929	\$5, 000, 000 5, 298, 410	10, 298, 410 19, 087, 224 550, 000	29, 935, 634	² 1,098,942	28, 836, 691 4, 263, 250	33, 099, 941	30, 056, 071 25, 441, 196 20, 441, 196	5, 135, 277 4, 841, 277 4, 491, 277 17.09	19.03	21.97
1928	\$5,000,000	5, 407, 570 16, 853, 057 430, 000	22, 690, 627	1 644, 926	22, 045, 700 4, 966, 500	27, 012, 200	27, 120, 746 21, 848, 074 16, 848, 074	3, 889, 957 3, 557, 457 3, 207, 457 14. 34	16.28	19.04
	Capital stock: 1. Preferred 2. Common	Total Surplus, earned and capital Reserve for Federal income and profits taxes	Capital stock and surplus	7. Tresury stock at cost. 8. Goodwill, appreciation, and other intangibles. bles.	9. Stockholders' investment	11. Total investment	ders' investment strock holders' equity strock holders' equity strock deducting Federal income	and prouts taxes: Applicable to total investment Applicable to stockholders' investment. Applicable to common-stockholders' equity. Rate of treatm on total investment (15-12), percent.	Rate of return on stockholders' investment (16 ÷ 13)	Rate of return on common-stock holders' equity (17+14)percent

¹ Preferred stock.
1 Common stock.
1 Average of investment at beginning and end of year.

APPENDIX TABLE 7a.—Summary of income, expenses, and surplus for General Cigar Co., Inc., 1917-37

	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Net sales	\$21, 395, 398	\$26, 671, 360	\$32, 317, 023	\$41, 885, 394	\$34, 697, 711	\$36, 766, 921	\$41, 825, 984	\$40, 222, 508	\$38, 294, 770	\$39, 446, 191	\$39, 448, 703
Cost of goods sold	16, 874, 820	20, 777, 404	24, 894, 609	32, 005, 595	26, 973, 101	27, 991, 561	31, 936, 855	31, 011, 095	29, 286, 535	30, 588, 453	28, 549, 226
DAID TO THE TOTAL OF THE TOTAL	3, 048, 061	3, 509, 167	4,042,276	5, 818, 791	5, 646, 765	5, 759, 203	6, 543, 316	5, 719, 390	5, 567, 246	5, 531, 307	6, 652, 100
Total operating expenses	19, 922, 881	24, 286, 571	28, 936, 885	37, 824, 386	32, 619, 866	33, 750, 764	38, 480, 171	36, 730, 485	34, 853, 781	36, 119, 760	35, 201, 326
Other income (net)	1, 472, 517 87, 198	2, 384, 789 76, 802	3, 380, 138 72, 528	4,061,008 59,984	2, 077, 845	3, 016, 157	3, 345, 813 69, 278	3, 492, 023 188, 299	3, 440, 989	3, 326, 431	4, 247, 377
Net income applicable to total investment Less interest on long-term debt	1,559,715	2, 461, 591	3, 452, 666	4, 120, 992	2, 423, 380	3, 124, 140	3, 415, 091	3, 680, 322 503, 020	3, 534, 566 498, 001	3, 407, 557	4, 295, 360
Net income applicable to stock- holders' investment. Provision for Federal income and profits	1, 559, 715	2, 461, 591	3, 452, 666	4, 120, 992	2, 423, 380	3, 124, 140	3, 376, 591	3, 177, 302	3, 036, 565	2, 953, 550	3, 886, 117
taxes	217, 694	801, 704	679, 733	720, 572	309, 494	391, 931	438, 306	413, 432	379, 074	390, 738	519, 981
Net income for the year Surplus beginning of year	1, 342, 021 4, 813, 493	1, 659, 887 5, 127, 537	2, 772, 933 5, 755, 726	3, 400, 420 7, 209, 838	2, 113, 886 8, 894, 144	2, 732, 209 9, 368, 956	2, 938, 285 6, 163, 869	2, 763, 870 7, 472, 270	2, 657, 491 8, 145, 539	2, 562, 812 8, 838, 676	3, 366, 136 12, 209, 948
Total	6, 155, 514	6, 787, 424	8, 528, 659	10, 610, 258	11, 008, 030	12, 101, 165	9, 102, 154	10, 236, 140	10, 803, 030	11, 401, 488	15, 576, 084
Less dividends pald on— Common stock in cash Preferred stock in cash	724, 160 350, 000	724, 160 350, 000	905, 200 482, 888	1, 086, 240 661, 731	1, 086, 240 650, 474	1, 086, 240 643, 650	1, 086, 240 629, 611	1, 448, 320 573, 123	1, 448, 320 510, 447	1, 449, 696 508, 069	1, 472, 623
Goodwill and other intangibles written	1, 074, 160	1, 074, 160	1, 388, 088	1, 747, 971	1, 736, 714	1, 729, 890	1, 715, 851	2, 021, 443	1, 958, 767	1, 957, 765	1, 934, 660
Reduction in value of common stock Exchange of preferred for common stock						4, 326, 003				14, 999, 999	1 2, 204, 706
Cost of 16,102 shares common stock can- celed. Other additions or deductions (net)	1 46, 183	1 42, 462	1 69, 267	1 31, 857	1 97, 640	1 118, 597	1 85, 967	69, 158	5, 587	1 24, 800	153, 252
Surplus end of the year	5, 127, 537	5, 755, 726	7, 209, 838	8, 894, 144	9, 368, 956	6, 163, 869	7, 472, 270	8, 145, 539	8, 838, 676	12, 209, 948	15, 692, 878

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales	\$40, 513, 134	\$46, 918, 630	\$40, 727, 305	\$36, 145, 607	\$29, 132, 332	\$21, 809, 825	\$24, 285, 572	\$23, 218, 043	\$22, 513, 269	\$21, 723, 667	\$699, 959, 347
- 1	29, 303, 474	32, 919, 511	28, 827, 283	25, 999, 739	21, 162, 717	16, 576, 608	17, 133, 893	16, 578, 227	16, 138, 515	15, 737, 435	521, 266, 656
Distribution and administrative ex-	7, 367, 305	8, 762, 142	8, 027, 576	6, 939, 239	5, 509, 365	4, 402, 986	4, 540, 508	4, 371, 411	4, 421, 462	4, 106, 931	116, 286, 547
Total operating expenses	36, 670, 779	41, 681, 653	36, 854, 859	32, 938, 978	26, 672, 082	20, 979, 594	21, 674, 401	20, 949, 638	20, 559, 977	19,844,366	637, 553, 203
Net profit on salesOther Income (net)	3,842,355	5, 236, 977	3, 872, 446 62, 046	3, 206, 629 44, 031	2, 460, 250 17, 577	830, 231 47, 141	2, 611, 171 118, 120	2, 268, 405 139, 645	1, 953, 292 153, 727	1, 879, 301 74, 908	62, 406, 144 1, 833, 390
Net income applicable to total investment. Less interest on long-term debt.	3, 889, 957 332, 500	5, 135, 277	3, 934, 492 252, 000	3, 250, 660 206, 500	2, 477, 827 149, 130	877, 372	2, 729, 291	2, 408, 050	2, 107, 019	1, 954, 209	64, 239, 534 3, 136, 901
Net income applicable to stock- holders'investment	3, 557, 457	4, 841, 277	3, 682, 492	3, 044, 160	2, 328, 697	877, 372	2, 729, 291	2, 408, 550	2, 107, 019	1, 954, 209	61, 102, 633
taxestaxes	416, 998	545, 316	480, 970	323, 493	270, 327	155, 852	395, 746	331, 918	304, 362	280, 279	8, 767, 920
Net income for the year	3, 140, 459 15, 692, 878	4, 295, 961 16, 853, 057	3, 201, 522 19, 087, 224	2, 720, 667 18, 911, 137	2, 058, 370 19, 389, 876	721, 520 19,163, 455	2, 333, 545 17, 465, 694	2, 076, 132 14, 071, 437	1, 802, 657 14, 378, 623	1, 673, 930 13, 939, 352	52, 334, 713
Total	18, 833, 337	21, 149, 018	22, 288, 746	21, 631, 804	21, 448, 246	19, 884, 975	19, 799, 239	16, 147, 569	16, 181, 280	15, 613, 282	
Less dividends paid on: Common stock in cash Preferred stock in cash	1, 630, 280 350, 000	1, 711, 794	1, 956, 336	1, 891, 928 350, 000	1, 891, 928	1, 891, 928	5, 202, 802	1, 418, 946	1, 891, 928 350, 000	1, 418, 946 350, 000	33, 424, 255 9, 497, 030
Total Goodwill and other intangibles written	1, 980, 280	2, 061, 794	2, 306, 336	2, 241, 928	2, 241, 928	2, 241, 928	5, 727, 802	1, 768, 946	2, 241, 928	1, 768, 946	42, 921, 285
Reduction in value of common stock.		b				6		5 0 2 5 1 6 6 5 8 7 1 0 7 2 1 8 1 2 0 1 3 0 1 3 0 5 5 0 5	8		1 17, 741, 424
Cost of 16,102 shares common stock can- celed. Other additions or deductions (net)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	1, 071, 273	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	42, 863	177, 353					1, 071, 273 1 68, 560
Surplus end of the year	16, 853, 057	19, 087, 224	18, 911, 137	19, 389, 876	19, 163, 455	17, 465, 694	14, 071, 437	14, 378, 623	13, 939, 352	13, 844, 336	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

¹ Denotes additions to surplus.
² Denotes loss.

	1930	\$15, 188, 400 2, 955 1, 347, 441	16, 538, 796	15, 038, 796 6, 190, 500	21, 229, 296	21, 477, 048 15, 070, 076	1,440,974	1,031,250	6.71	6.84
1920-37	1929	943	16, 601, 356	15, 101, 356 6, 623, 444	21, 724, 800	20, 159, 263 13, 536, 915	1, 436, 852	1,009,682	7.13	7.46
acco Co.,	1928	550 \$12, 248, 550 \$15, 187, 953	13, 472, 475	11, 972, 475 6, 621, 251	18, 593, 726	18, 783, 088 11, 743, 112	943, 474	486, 105	5.02	4.14
ıcan Tob	1927	\$12, 248, 550 6, 953 758, 246	13, 013, 749	11, 513, 749	18, 972, 450	12, 241, 316 8, 511, 966	725, 483	277, 424	5.93	3.26
can-Amer	1926	\$6, 315, 550 \$12, 248, 6, 953 687, 680 758,	7, 010, 183	5, 510, 183	5, 510, 183	6, 240, 632 5, 483, 192	300, 402	203, 377	4.81	3.71
Forto Ku	1925	\$6, 315, 550 6, 953 633, 698	6, 956, 201	5, 456, 201	6, 971, 082	6, 849, 653 5, 257, 560	582, 027	446, 134	8.50	8.49
eturn jor	1924	\$6, 310, 250 12, 253 236, 416	6, 558, 919	5, 058, 919 1, 669, 306	6, 728, 225	6, 864, 101 5, 088, 368	78, 698	3 69, 474	1, 15	1 1. 37
rates of r	1923	\$6, 283, 150 24, 553 310, 114	6, 617, 817	5, 117, 817 1, 882, 161	6, 999, 978	7, 108, 954 5, 044, 913	469, 559	296, 447	6.61	.5. 88
onis, and	1922	\$6, 277, 850 185, 490 8, 669	6, 472, 009	4, 972, 009 2, 245, 921	7, 217, 930	7, 614, 813 5, 156, 063	3 174, 724	3 376, 942	3 2. 29	3 7. 31
ments, pr	1921	\$6, 270, 150 193, 146 376, 822	6,840,118	5, 340, 118 2, 671, 579	8, 011, 697	8, 042, 260 6, 706, 470	3 2, 563, 878	3 2, 740, 395	3 31.88	3 40.33
of invest	1920	\$4, 965, 350 1, 354, 730 1, 959, 343	8, 279, 423	8, 072, 823	8, 072, 823	7, 573, 751	998, 948	998, 948	13. 19	13. 19
Summary	1919	\$4, 961, 750 761, 911 1, 557, 619	7, 281, 280	7, 074, 680	7, 074, 680					
AFFENDIX LABLE S.—Summary of investments, profits, and rates of return for Forto Rican-American Tobacco Co., 1920-37		Capital stock (common) Scrip and fractional shares Surplus—earned and capital	Capital stock and surplus Less goodwill, appreciation, and other intangibles.	6. Stockholders' Investment	8. Total investment	9. Average of total investment 1. 10. Average of stockholders' investment 2. Net income before deducting Federal	11. Applicable to total investment 12. Applicable to stockholders' in-	tota	- 1-2	ment (12+10)percent

	1931	1932	1933	1934	1935	1936	1937	Annual
1. Capital stock (common) . 2. Scrip and fractional shares . 3. Surplus—earned and capital .	\$15, 188, 400 2, 955 1, 022, 661	\$15, 188, 400 2, 893 687, 379 533, 464	\$15, 188, 400 2, 861 533, 464	\$15, 188, 400 2, 861 690, 511	\$15, 188, 400 2, 861 1, 095, 268	\$15, 188, 400 2, 861 1, 148, 123	\$15, 188, 400 2, 853 942, 349	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4. Capital stock and surplus. 5. Less goodwill, appreciation and other intangibles.	16, 214, 016 1, 500, 000	15, 778, 672	15, 724, 725 1, 500, 000	15, 881, 772	16, 286, 529	16, 339, 384	16, 133, 602 1, 500, 000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6. Stockholders' investment. 7. Long-term debt 1.	14, 714, 016 6, 073, 530	14, 278, 672 6, 013, 500	14, 224, 725 5, 785, 000	14, 381, 772 5, 200, 000	14, 786, 529 4, 374, 018	14, 839, 384 3, 799, 330	14, 633, 602 3, 445, 000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
8, Total investment.	20, 787, 546	20, 292, 172	20,009,725	19, 581, 772	19, 160, 547	18, 638, 714	18,078,602	
9. Average of total investment 4. 10. Average of stockholders investment 1. Net income before deducting Federal income and profits taxes: 11. Applicable to total investment. 12. Applicable to stockholders investment. Rate of return on total investment (11-49). Rate of return on stockholders' investment (12-10).	21, 008, 421 14, 876, 406 644, 908 259, 572 3, 07 1, 74	20, 539, 859 14, 496, 344 290, 090 8 63, 238 1, 41 3, 44	20, 150, 948 14, 251, 698 177, 212 161, 045 0, 88 3 1, 13	19, 795, 748 14, 303, 248 119, 737 3 201, 508 0, 60	19, 371, 159 14, 584, 150 400, 993 113, 797 2. 07	18, 899, 630 14, 812, 956 119, 859 128, 062 0. 63	18, 358, 658 14, 736, 483 1116, 438 1331, 702 10. 63	\$14, 504, 406 10, 624, 093 326, 343 60, 354 2, 25

Less unamortized debt discount and expense.
 Average of investment at beginning and end of year.
 Denotes loss.

APPENDIX TABLE 8A.—Summary of income, expenses, and surplus for Porto Rican American Tobacco Co., 1920-37

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Net sales	\$15, 706, 765	\$7, 451, 358	\$9, 313, 488	\$9, 281, 557	\$7, 849, 682	\$7, 329, 857	\$6, 538, 044	\$5, 480, 429	\$4, 762, 371	\$4, 358, 085
Cost of goods sold	12, 994, 068 1, 475, 776	8, 167, 094 985, 323	8, 142, 007 1, 074, 363	7, 827, 275 985, 268	6, 743, 734 1, 069, 028	5, 888, 361 876, 725	5, 411, 628 854, 861	4, 873, 222 843, 542	4, 017, 416	3, 552, 680 764, 062
Total operating expenses	14, 469, 844	9, 152, 417	9, 216, 370	8, 812, 543	7, 812, 762	6, 765, 086	6, 266, 489	5, 716, 764	4, 785, 189	4, 316, 742
Net profit on salesOther income (net)	1, 236, 921	1 1, 701, 059 1 862, 819	97, 118 1 271, 842	469, 014	36, 920 41, 778	564, 771 17, 256	271, 555 28, 847	1 236, 335 961, 818	1 22, 818 966, 292	41, 343
Net lacome applicable to total investment Less interest on long-term debt	998, 948	1 2, 563, 878 140, 517	1 174, 724 202, 218	469, 559 173, 112	78, 698 148, 172	582, 027 135, 893	300, 402 97, 025	725, 483 448, 059	943, 474 457, 369	1, 436, 852 427, 170
Net income applicable to stockholders' invest- ment Provision for Federal income and profits taxes	998, 948	1 2, 704, 395	1 376, 942	296, 447 19, 723	1 69, 474 12, 894	446, 134 48, 852	203, 377 28, 187	277, 424 12, 906	486, 105 11, 079	1,009,682
Net income for the yearSurplus beginning of year	998, 948 1, 557, 619	1 2, 704, 395 1, 959, 343	1 376, 942 376, 822	276, 724 8, 669	1 82, 368 310, 114	397, 282 236, 416	175, 190 633, 698	264, 518 687, 680	475, 026 758, 246	1,009,682 1,216,932
Total Less dividends paid on common stock in cash	2, 556, 567 597, 224	1 745, 052 149, 306	1 120	285, 393	227, 746	633, 698	808, 888	952, 198 534, 846	1, 233, 272 178, 282	2, 226, 614 891, 406
Total Revaluation of goodwill	1, 959, 343	1 894, 358 2 1, 293, 400	1 120	285, 393	227, 746	. 663, 698	808, 888	417, 352	1,054,990	1, 335, 208
Revaulation of securities. Adjustment of inventory Proceeds from settlement of damage suit against								2 232, 772		405,939
net)		22, 220	18,789	1 24, 721	18,670		121, 208	18, 122	2 161, 942	2 392, 251 2 85, 293
Surplus end of the year	1, 959, 343	376, 822	8, 669	310, 114	236, 416	633, 698	687, 680	758, 246	1, 216, 932	1, 406, 813

	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales.	\$4, 581, 667	\$4,008,134	\$2, 472, 491	\$2, 042, 622	\$2, 047, 414	\$1, 731, 546	\$1, 454, 270	\$1, 302, 624	\$97, 712, 404
Cost of goods sold. Distribution and administrative expenses.	1, 587, 802 804, 708	3, 237, 795	1, 953, 735	1, 716, 885 455, 502	1, 697, 798 407, 653	1, 398, 092	1, 252, 840 294, 386	1, 244, 024	83, 706, 456 13, 625, 589
Total operating expenses	4, 392, 510	4, 066, 479	2, 510, 270	2, 172, 387	2, 105, 451	1, 734, 148	1, 547, 226	1, 489, 368	97, 332, 045
Net profit on sales.	189, 157	1 58, 345 703, 253	1 37, 779 327, 869	1 129, 765 306, 977	1 58, 037 177, 774	1 2, 602 403, 595	1 92, 956 212, 815	1 186, 744 70, 306	380, 359 5, 493, 817
Net income applicable to total investment.	1, 440, 974 409, 724	644, 908 385, 336	290, 090 353, 328	177, 212 338, 257	119, 737 321, 245	400, 993 287, 196	119,859 247,921	1116, 438 215, 264	5, 874, 176 4, 787, 806
Net income applicable to stockholders' investment.	1, 031, 250	259, 572	1 63, 238	1 161, 045	1 201, 508	113, 797 1, 678	1 128, 062	1 331, 702	1, 086, 370
Net income for the year.	1, 031, 250 1, 406, 813	259, 572 1, 347, 441	1, 022, 661	1 161, 045 587, 379	1 201, 508 533, 464	112, 119 690, 511	1,095,268	1 331, 702 1, 148, 123	951, 051
Total Less dividends paid on common stock in cash.	2, 438, 063 891, 438	1, 607, 013	959, 423	426, 334	331, 956	802, 630	967, 206	816, 421	3, 522, 683
1,	1, 546, 625	1, 326, 832	959, 423 332, 772	426, 334	331, 956	802, 630		816, 421	3, 522, 683 11, 293, 400 800, 932
Proceeds from settlement of damage suit against American Tobacco Co. Repurchase of own securities. Other additions or deductions (net).	2 1, 018	109, 380	39, 272	² 175, 084 67, 954	2 358, 079 2 476	² 290, 496 ² 2, 142	2 181, 679	2 128, 031 2, 103	2 392, 251 2 1, 133, 369 61, 726
Surplus end of the year	1, 347, 441	1, 022, 661	587, 379	533, 464	690, 511	1, 095, 268	1, 148, 123	942,349	

¹ Denotes loss.
² Denotes addition to surplus.

APPENDIX TABLE 9.—Summary of investments, profits, and rates of return for Consolidated Ciaar Co., 1919-37

AFFENDIX LABLE 3.—Bunning of investments, projus, and rates of retain for consolutation cigal Co., 1919-01	mary of	thest ments	, projes, a	יים אוונט היי	of min h	Consocia	nair nam	101, 101		
	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
1. Capital stock: 1. Preferred 2. Common	\$527, 500	\$3, 910, 000 3, 600, 000	\$4, 149, 500 4, 140, 000	\$4, 094, 300 4, 140, 000	\$4, 070, 800 5, 168, 550	\$4, 073, 000 5, 241, 825	\$4, 073, 000 5, 241, 825	\$3, 968, 000 5, 202, 425	\$3, 659, 000 11, 855, 684	\$14, 579, 000 11, 855, 684
3. Total 4. Surplus—earned and capital 5. Surplus and contingency reserves 6. Reserve for Pederal income and State taxes	527, 500 195, 200 33, 270	7, 510, 000 525, 204 166, 000	8, 289, 500 . 8, 887 380, 821	8, 234, 300 1 799, 287 6, 390 13, 500	9, 239, 350 J79, 390 10, 162 115, 000	9, 314, 825 271, 112 52, 513 67, 000	9, 314, 825 1, 040, 004 25, 846 169, 000	9, 170, 425 1, 999, 829 35, 664 240, 000	15, 514, 684 2, 315, 418 47, 030 489, 000	26, 434, 684 1, 983, 532 58, 396 292, 550
7. Capital stock and surplus.	755, 970	8, 201, 204	8, 679, 208	7, 454, 903	9, 543, 902 206, 765	9, 705, 450	10, 549, 675	11, 445, 918	18, 366, 132 10, 172, 000	28, 769, 162 530, 750
9. Total investment	755, 970	8, 201, 204	8, 889, 504	7, 653, 496	9, 750, 667	9, 888, 257	10, 720, 386	13, 957, 220	28, 538, 132	29, 209, 912
10. Average of total investment 1. 11. Average of stockholders' investment 1. 12. Average of common stockholders' equity 1. Net income before deducting Pederal income and		4, 478, 587 4, 478, 587 2, 523, 587	8, 545, 354 8, 440, 206 4, 410, 456	8, 271, 500 8, 067, 055 3, 945, 155	8, 702, 082 8, 499, 402 4, 416, 852	9, 819, 452 9, 624, 676 5, 552, 776	10, 304, 321 10, 127, 562 6, 054, 562	12, 338, 803 10, 997, 796 6, 977, 296	21, 247, 676 14, 906, 025 11, 092, 525	28, 919, 022 23, 567, 647 14, 448, 647
profils taxes: 13. Applicable to total investment. 14. Applicable to stockholders' investment. 15. Applicable to common stockholders' equity. 16. Rate of return on total investment (13+10). percent.		585, 520 585, 520 437, 266 13. 07	2, 177, 042 2, 173, 720 1, 913, 229 25, 48	249, 212 236, 233 1 52, 300 3. 01	1, 182, 653 1, 170, 290 1, 089, 900 13. 59	538, 429 525, 984 241, 224 5. 48	1, 257, 474 1, 246, 432 961, 672 12. 20	1, 896, 827 1, 753, 162 1, 265, 586 15, 37	2, 883, 410 2, 720, 955 1, 674, 822 13. 57	3, 813, 756 3, 195, 688 2, 791, 414 13. 19
Rate of return on common stockholders' equity (15+		13.07	25. 75	2.93	13. 77	5.46	12.31	15.94	18. 25	13.56
Tribonadian in the contract of		11.00	40.00	1. 93	£4. 00	F. 0.1	10.00	10.41	01	

Annual	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				15, 540, 904 \$17, 599, 849 15, 540, 904 16, 737, 764 5, 440, 604 8, 317, 288	1, 721, 955 1, 662, 177 1, 068, 539 9, 78 9, 93	12.85
1937	\$9, 838, 300 2, 500, 000	12, 338, 300 2, 876, 377 19, 692 213, 178	15, 447, 547	15, 447, 574	15, 540, 904 15, 540, 904 5, 440, 604	1, 111, 744 1, 111, 744 451, 629 7, 15 7, 15	8. 15
1936		12, 662, 300 2, 766, 722 18, 692 186, 548	15, 634, 262	15, 634, 262	15, 672, 904 15, 672, 904 5, 375, 904	1, 001, 038 1, 001, 038 322, 776 6. 39 6. 39	6.00
1935	2, 500, 000	12, 931, 700 2, 686, 419 18, 000 75, 427	16, 145, 566 15, 711, 546 15, 634, 262 15, 447, 547	15, 711, 546	15, 928, 556 15, 928, 556 5, 349, 256	631, 492 631, 492 1 69, 477 3. 96	11.30
1934	2, 500, 000	13, 226, 900 2, 804, 533 66, 395 47, 738	16, 145, 566	16, 145, 566	16, 279, 242 16, 161, 305 5, 344, 905	841, 052 827, 730 115, 376 5, 17 5, 12	2.16
1933	\$10, 905, 900 2, 500, 000	13, 405, 900 2, 666, 652 66, 874 54, 37, 618	16, 177, 044 235, 875	16, 412, 919	16, 882, 520 16, 604, 082 5, 295, 532	561, 356 541, 929 1 197, 584 3. 33	1 3. 73
1932	2, 500, 000	14, 211, 200 2, 740, 612 68, 809 10, 500	17, 031, 121 321, 000	17, 352, 121	23, 079, 880 22, 749, 255 10, 563, 255	956, 449 935, 858 113, 982 4, 14 4, 11	1.08
1931	\$12, 661, 000 11, 855, 684	24, 516, 684 3, 570. 403 70, 303 310, 000	28, 467, 390 340, 250	28, 807, 640	29, 065, 482 28, 687, 607 15, 685, 907	2, 440, 827 2, 418, 573 1, 557, 334 8, 40 8, 43	9.93
1930	\$13, 342, 400 11, 855, 684	25, 198, 084 3, 304, 459 75, 781 329, 500	28, 907, 824 415, 500	29, 323, 324	29, 645, 657 29, 221, 532 15, 523, 832	2, 718, 163 2, 694, 035 1, 786, 760 9, 17	11.51
1929	\$14, 053, 000 11, 855, 684	25, 908, 684 3, 147, 069 73, 387 406, 100	29, 535, 240	29, 967, 990	30, 004, 605 29, 562, 730 15, 286, 730	3, 731, 462 3, 706, 390 2, 756, 751 12, 44 12, 54	18.03
1928	\$14, 499, 000 \$14, 053, 000 \$13, 342, 400 \$12, 661, 000 \$11, 711, 200 \$10, 905, 900 \$10, 726, 900 \$10, 431, 700 \$10, 162, 300 1, 855, 684 \$11, 855, 684 \$11, 855, 684 \$2, 500, 000 \$2, 500,	26, 354, 684 2, 655, 785 70, 451 509, 300	29, 590, 220	30, 041, 220	29, 670, 566 29, 179, 691 14, 640, 691	4, 139, 239 4, 104, 598 3, 141, 875 13. 95 14. 07	21. 46
	Capital stock: 1. Preferred 2. Common	3. Total. 4. Surplus—carned and capital. 5. Surplus and contingency reserves. 6. Reserve for Federal income and State taxes	7. Capital stock and surplus	9. Total investment	10. A versge of total investment **		Kate of return on common stockholders equity (15+12)

1 Denotes deficit or loss.

Less unamortized debt discount and expense.

Average of investment at beginning and end of year.

APPENDIX TABLE 9A.—Summary of income expenses and surplus for Consolidated Cigar Co., 1919-37

						,	n and an and an	0 0101		
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
Net sales	\$8, 215, 883	\$20, 971, 231	\$15, 850, 083	\$16, 280, 550	\$15,024,284	\$15, 403, 779	\$15, 209, 695	\$21, 693, 396	\$27, 202, 378	\$27, 148, 250
Cost of goods sold. Distribution and administrative expenses.	6,880,980	17, 125, 364 1, 226, 309	13, 681, 917 1, 428, 651	13, 054, 897 1, 697, 867	12, 269, 811	12, 061, 157 1, 620, 630	11, 263, 757 1, 702, 979	15, 489, 085 2, 628, 310	19, 017, 940 3, 922, 622	17, 871, 087
Total operating expenses	7, 484, 509	18, 351, 673	15, 110, 568	14, 752, 764	14, 039, 707	13, 681, 787	12, 966, 736	18, 117, 395	22, 904, 562	22, 219, 559
	731, 374 1 145, 854	2, 619, 558 1 442, 516	739, 515	1, 527, 786 1 345, 133	984, 577 1 446, 148	1, 721, 992 1 464, 518	2, 242, 959 1 346, 132	3, 576, 001 1 692, 591	4, 261, 816	4, 928, 691
Net income applicable to total investment. Less interest on long-term debt	585, 520	2, 177, 042	249, 212 12, 979	1, 182, 653 12, 363	538, 429 12, 445	1, 257, 474	1, 896, 827	2, 883, 410 162, 455	3, 813, 756 618, 068	4, 139, 239
Net income applicable to stockholder's Investment Provision for Federal income and profits taxes	585, 520 117, 500	2, 173, 720 275, 273	236, 233	1, 170, 290	525, 984 54, 000	1, 246, 432 165, 000	1, 753, 162 230, 000	2, 720, 955	3, 195, 688 274, 050	4, 104, 598
Net income for the year. Surplus beginning of year.	468, 020 195, 200	1, 898, 447 525, 204	236, 233 8, 887	1, 055, 290 1 799, 287	471, 984 179, 390	1, 081, 432 271, 112	1, 523, 162 1, 340, 004	2, 372, 755	2, 921, 638 2, 315, 418	3, 613, 798 1, 983, 532
Total	663, 220	2, 423, 651	245, 120	256, 003	651, 374	1, 352, 544	2, 563, 166	4, 372, 584	5, 237, 056	5, 597, 330
Less dlyidends paid on— Common stock in cash Common stock in stock		631, 125	181, 003	4 9 9 1 1 1 1 9					1, 749, 937	1,749,937
referred stock in cash	148, 254	260, 491	288, 533	80, 390	284, 760	284, 760	487, 576	1,046,133	404, 274	962, 723
Write-down of inventory value	148, 254	1, 431, 616 978, 998	469, 536	80, 390	284, 760	284, 760	487, 576	1,046,133	2, 154, 211	2, 712, 660
Discounts, premiums, and expenses re: issuance and retirement of securities.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1			99, 295	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	75, 153	142, 224	240, 720	173, 901
Other additions or reductions (net)	2 10, 238	4,150	2 132, 136	2 3, 777	13, 793	27, 780	809	847, 036	816, 874	54, 984
Surplus end of the year.	525, 204	8,887	1 799, 287	179, 390	271, 112	1,040,004	1, 999, 829	2, 315, 418	1, 983, 532	2, 655, 785
										-

	1929	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales	\$28.371,051	\$25, 214, 788	\$21, 582, 270	\$12, 831, 182	\$9, 197, 924	\$10, 240, 135	\$9, 549, 273	\$10, 022, 349	\$11,001,394	\$321, 015, 895
Cost of goods sold	19, 157, 233 4, 914, 651	17, 037, 882 4, 912, 707	14, 246, 333 4, 402, 205	8, 373, 236 3, 176, 078	6, 071, 353 2, 283, 932	6, 824, 076 2, 357, 419	6, 320, 945 2, 385, 228	6, 467, 834 2, 326, 694	7, 086, 853 2, 567, 193	230, 301, 740 50, 275, 372
Total operating expenses	24, 071, 834	21, 950, 589	18, 648, 538	11, 549, 314	8, 355, 285	9, 181, 495	8, 706, 173	8, 794, 528	9, 654, 046	280, 577, 112
Net profit on sales. Other income (net)	4, 299, 167	3, 264, 199 1 546, 036	2, 933, 732 1 492, 905	1, 287, 868	842, 639 1 281, 283	1, 058, 640 1 217, 589	843, 100 1 211, 608	1, 227, 821	1, 347, 348	40, 438, 783 7, 721, 639
Net income applicable to total investment.	3, 731, 462 25, 072	2, 718, 163 24, 128	2, 440, 827 22, 254	956, 449 20, 591	561, 356 19, 127	841, 051 13, 322	631, 492	1, 001, 038	1, 111, 744	32, 717, 144 1, 135, 774
Net income applicable to stockholder's invest- ment Provision for Federal income and profits taxes	3, 706, 390 392, 300	2, 694, 035 321, 500	2, 418, 573 296, 400	935, 858	541, 929 44, 150	827, 729 49, 513	631, 492 78, 350	1, 001, 038 188, 000	1, 111, 744	31, 581, 370 3, 659, 206
Net income for the year.	3, 314, 090 2, 655, 785	2, 372, 535 3, 147, 069	2, 122, 173 3, 304, 459	935, 858 3, 570, 403	497, 779 2, 740, 612	778, 216 2, 666, 652	553, 142 2, 804, 533	813, 038 2, 686, 419	892, 574 2, 766, 722	27, 922, 164
Total	5, 969, 875	5, 519, 604	5, 426, 632	4, 506, 261	3, 238, 391	3, 444, 868	3, 357, 675	3, 499, 457	3, 659, 296	
Less dividends paid on— Common stock in eash Common stock in stock.	1, 749, 941	1, 374, 952	1, 249, 960	187, 484				9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	187, 500	9, 061, 839 540, 000
Preferred stock in cash	. 949, 639	907, 275	861, 239	821, 876	739, 513	712, 353	200, 969	678, 262	660, 116	11, 279, 136
Total. Write-down of inventory value. Reserved for contingencies.	2, 699, 580	2, 282, 227	2, 111, 199	1, 009, 360 1, 242, 650	739, 513	712, 353	700, 969	678, 262	847,616	20, 880, 975 2, 928, 655 746, 293
Discounts, premiums, and expenses re issuance and retirement of securities. Write-down on value of fixed capital.	2 90, 890	2 210, 175	\$ 273, 235	2 487, 564 1, 450, 133	2 437, 214	1 84, 089	27,835	\$ 52,003	2 58, 133	2 57, 228 1, 450, 133
Goodwll written off Reduction in stated value of common stock Other additions or deductions (net).	199, 116	143, 093	2 18, 265	7, 905, 551 2 9, 355, 684 1, 203	269, 440	12, 071	1,878	106, 476	\$ 6, 564	7, 905, 551 2 9, 355, 684 742, 292
Surplus, end of the year	3, 147, 069	3, 304, 459	3, 570, 403	2, 740, 612	2, 666, 652	3, 804, 533	2, 686, 419	2, 766, 722	2, 876, 377	5 5 7 7 1 2 8

Denotes loss.
Additions to surplus.

APPENDIX TABLE 10.—Summary of investments, profits, and rates of return for Bayuk Cigars, Inc., 1917-37

	1916	1917	1918	9161	1920	1921	1922	1923	1924	1925	1926	1927
Capital stock: 1. Preferred. 2. Common	\$827,825	\$1,018,350	\$1,042,375	\$1, 118, 825	\$2, 269, 500 6, 389	\$2, 228, 500 6, 389	\$2, 189, 500 1, 006, 389	\$3, 225, 500 1, 668, 089	\$3, 164, 600 1, 668, 089	\$3, 059, 600 1, 668, 089	\$4, 048, 100 1, 668, 089	\$5, 846, 600 1, 729, 359
3. Total 4. Surplus-carned and capital 5. Surplus and contingency reserves	827, 825 94, 082	1, 018, 350 81, 970	1, 042, 375	1, 118, 825	2, 275, 889 214, 165	2, 234, 889 525, 727	3, 195, 889	4, 893, 589 1, 026, 192	4, \$32, 689 1, 662, 139	4, 727, 689 2, 077, 040	5, 716, 189 2, 797, 416	7, 575, 959
6. Reserve for Federal income and profits taxes	1	000 '09		55,000	160, 500	180,000	160, 561	136, 920	129, 388	93, 224	153, 861	222, 668
7. Capital stock and surplus	921, 907	1, 160, 320	1, 230, 447	1, 350, 259	2, 650, 554 55, 000	2, 940, 616 21, 160	3, 811, 655 20, 440	6, 056, 701 9, 720	6, 624, 216	6, 897, 953	8, 667, 466 400, 000	11, 632, 182 405, 000
9. Total investment	921, 907	1, 160, 320	1, 230, 447 1, 195, 383	1, 350, 259 1, 290, 353	2, 705, 554 2, 027, 906	2, 961, 776 2, 833, 665	3, 832, 095 3, 396, 935	6, 066, 421 4, 949, 258	6, 624, 216 6, 345, 318	7, 347, 953 6, 986, 084	9, 067, 466 8, 207, 709	12, 037, 182 10, 552, 324
		1, 041, 113	1, 195, 383	1, 290, 353	2, 000, 406	2, 795, 585	3, 376, 135	4, 934, 178	6, 340, 458	6, 761, 084	7, 782, 709	10, 149, 924
! = 9	1	1,041,113	1, 195, 383	1, 290, 353	865, 656	546, 585	1, 127, 135	2, 226, 678	3, 145, 408	3, 648, 984	4, 228, 859	5, 202, 474
13. Applicable to total investment		249, 835	225, 858	276, 086	518, 389	677, 043	1, 285, 747	1,040,332	991, 673	727, 274	1, 133, 761	1, 618, 800
		249,835	225, 858	275, 086	516, 739	674, 343	1, 284, 487	1, 039, 252	991, 673	727, 274	1, 107, 636	1, 595, 675
bolders' equity.		249,835	225, 858	276,086	361, 972	495, 223	1, 090, 767	848, 025	768, 419	510, 594	886, 619	1, 285, 267
(13+10) percent Pate of return on stockholders' in-		24.00	18.89	21.40	25.56	23.89	37.85	21.02	15.63	10.41	13.81	15.34
Vestment (14 +11)percent		24.00	18.89	21, 40	25.83	24. 12	38.02	21.06	15.64	10.76	14.23	15.72
bolders' equity (15+12)percent		24.00	18.89	21.40	41.81	90.60	96.77	38.08	24. 43	13.99	20.97	24.70

Annual	3 B B B B B B B B B B B B B B B B B B B		0 1 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	\$7, 496, 152 7, 349, 655 4, 692, 119 799, 921	10.67	10.78	12.87
1937	\$1, 876, 700 2, 987, 047	4, 863, 747 5, 102, 280 322, 273	10, 288, 300 19, 250	10, 307, 550 10, 197, 716 10, 177, 841 8, 160, 741 1, 251, 712	1, 119, 219	12.30	13. 71
1936.	\$2, 157, 500 2, 987, 047	5, 144, 547 4, 676, 740 246, 096	10, 067, 383 20, 500	10, 087, 883 9, 955, 429 9, 945, 179 7, 676, 729 1, 222, 093	1,070,568	12, 29	13.95
1935	\$2, 379, 400 2, 986, 913	5, 366, 313 4, 273, 722 182, 940	9, 822, 975	9, 822, 975 9, 722, 929 9, 647, 929 7, 207, 979 1, 193, 255	1, 023, 489	12.37	14.20
1934	\$2, 500, 500 2, 804, 234	5, 304, 734 3, 756, 735 309, 780 101, 635	9, 472, 884	9, 622, 884 9, 573, 977 9, 411, 477 6, 777, 827 1, 043, 439	10.90	10.98	12.56
1933	\$2, 766, 800 2, 628, 521	5, 395, 321 3, 268, 291 673, 458 13, 000	9, 350, 070 175, 000	9, 525, 070 9, 606, 505 9, 419, 005 6, 490, 605 689, 274	477, 208	7. 20	7.35
1932	\$3, 090, 000 2, 566, 687	5, 656, 687 2, 683, 703 1, 147, 551	9, 487, 941 200, 000	9, 687, 941 10, 273, 229 10, 055, 229 6, 790, 729 2, 1, 249, 026	2 1,488, 700 3 12.16	2 12, 56	2 21. 92
1931	\$3, 439,300 2, 570, 042	6, 009, 042 3, 986, 208 627, 267	10, 622, 517 236, 000	10, 858, 517 11, 611, 257 11, 357, 267 7, 693, 667 271, 446	1,061	2. 25	.01
1930	\$3, 888, 200 2, 752, 045	6,640,245 5,253,959 127,498 70,316	12, 092, 018 272, 000	12, 364, 018 12, 587, 427 12, 297, 427 8, 289, 927 668, 753	370, 579	5.29	4.47
1929	\$4, 126, 800 2, 743, 881	6, 870, 681 5, 283, 194 187, 386 161, 576	12, 502, 837	12, 810, 837 12, 725, 750 12, 399, 750 8, 111, 450 1, 497, 125	1, 179, 944	11.91	14,55
1928	\$4, 449, 800 3, 015, 369	7, 465, 169 4, 493, 383 152, 662 185, 450	12, 296, 664 344, 000	12, 640, 664 12, 338, 923 11, 964, 423 6, 816, 223 1, 465, 464	1, 082, 353	12.08	15.88
	Capital stock:	Total Surplus-earned and capital Surplus and contingency reserves Surplus and contingency reserves G. Reserve for Federal income and profits taxes	7. Capital stock and surplus.	Total investment Average of fods investment! Average of stock holders' investment i Average of common stockholders' equity! Net income before deducting Federal income and profits taxes: Applieable to total investment Applieable to total investment	15. Applicable to common stockholders' equity. Rate of return on total investment (13+10) percent.	(14+1). Rate of return on stockholders' investment (14+1). Rate of return on common stockholders' conity	(15+12)percent.

¹ Average of investment at beginning and end of year.
² Denotes loss.

APPENDIX TABLE 10a.—Summary of income, expenses, and surplus for Bayuk Cigars, Inc., 1917-37

AFFENDIA LABBE 10A	- C	6 6 00			•						
	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Notesina	\$3, 728, 894	\$3, 981, 461	\$5, 202, 078	\$9, 654, 923	\$9, 580, 144	\$10, 427, 175	\$11, 597, 811	\$12, 197, 451	\$11, 828, 669	\$12, 384, 504	\$14, 479, 202
Cost of goods sold	3, 195, 046 260, 302	3, 351, 695	4, 391, 149	8, 349, 620 733, 944	8, 038, 031	8, 161, 079	9, 863, 761	10, 073, 116 1, 172, 723	9, 782, 183 1, 278, 135	9, 881, 142 1, 295, 966	11, 102, 460 1, 642, 775
Total operating expenses.	3, 455, 348	3, 711, 028	4, 891, 985	9,086,564	8, 838, 476	9, 106, 006	10, 934, 877	11, 245, 839	11, 060, 318	11, 177, 108	12, 745, 235
Net profit on sales Other income, net	273, 546 1 23, 711	270, 433	310, 093	568, 359 1 49, 970	741,668	1, 321, 171	1, 062, 304 1 21, 972	951, 612	768, 351	1, 207, 396	1, 733, 967
Net income applicable to total investment Less interest on long-term debt.	249, 835	225, 858	276, 086	518, 389	677, 043	1, 285, 747 1, 260	1,040,332	991, 673	727, 274	1, 133, 761 26, 125	1, 618, 800 23, 125
Net income applicable to stockholders' investment Provision for Federal Income and profits taxgs	249, 835 60, 000	225, 858 1 3, 426	276, 086 139, 468	516, 739 168, 136	674, 343 179, 824	1, 284, 487	1, 039, 252 139, 030	991, 673 130, 452	727, 274 93, 224	1, 107, 636	1, 595, 675
Net income for the year	189, 835	229, 284 81, 970	136, 618 188, 072	348, 603 176, 434	494, 519 214, 165	1, 127, 710	900, 222 455, 205	861, 221 1, 026, 192	634, 050 1, 662, 139	942, 200 2, 077, 040	1, 369, 333 2, 797, 416
Total	283, 917	311, 254	324, 690	525, 037	708, 684	1, 653, 437	1, 355, 427	1, 887, 413	2, 296, 189	3, 019, 240	4, 166, 749
Less dividends paid on: Common stock in cach	201, 947	123, 182	148, 256	156, 635			100 101	000	916 680	200 1042	310, 408
Preferred stock in eash	201 947	123 182	148, 256	311, 402	179, 120	193, 720	191, 227	223, 254	216, 680	221, 017	310, 408
Transferred to capital stock—common Other additions or deductions—net				2 530	3,837	1,000,000 4,512	138,008	2, 020	2,469	807	22, 786
Surplus end of the year	81, 970	188, 072	176, 434	214, 165	525, 727	455, 205	1, 026, 192	1, 662, 139	2,077,040	2, 797, 416	3, 833, 555

¹ Denotes loss.
² Additions to surplus.

	1928	1929	1930	1931	19; 2	1933	1934	1935	1936.	1937	Total
Net sales	\$14, 341, 255	\$14, 165, 455	\$11, 167, 914	\$7, 786, 775	\$5, 176, 797	\$10, 812, 397	\$14, 697, 960	\$14, 787, 055	\$15, 133, 509	\$16, 372, 273	\$229, 903, 074
Cost of goods sold. Distribution and administrative expenses.	11, 109, 589	10, 287, 381 2, 003, 222	8, 428, 859	5, 807, 209 1, 712, 157	4, 165, 468 2, 336, 318	8, 275, 979	11, 427, 656 2, 148, 137	11, 419, 289 2, 241, 272	11, 503, 717 2, 475, 018	12, 783, 891 2, 500, 336	181, 398, 320 30, 934, 251
Total operating expenses	12, 770, 141	12, 290, 603	10, 374, 372	7, 519, 366	6, 501, 786	10, 124, 203	13, 575, 793	13, 660, 561	13, 978, 735	15, 284, 227	212, 332, 571
Net profit on sales Other income, net.	1, 571, 114 1 105, 650	1,874,852	1 124, 789	267, 409	1 1, 324, 989 75, 963	688, 194	1, 122, 167	1, 126, 494 66, 761	1, 154, 774 67, 319	1, 088, 046	17, 570, 503
Net income applicable to total investment Less interest on long-term debt	1, 465, 464 20, 125	1, 497, 125 20, 010	668, 753 17, 850	271, 446 15, 690	1, 249, 026	689, 274 11, 563	1, 043, 439	1, 193, 255	1, 222, 093	1, 251, 812	16, 798, 333 164, 770
Net income applicable to stockholders' investment. Provision for Federal income and profits taxes	1, 445, 339 185, 450	1, 477, 115	650, 903 69, 490	255, 756 8, 807	1 1, 262, 556	677, 711	1, 033, 377	1, 193, 255	1, 222, 093	1, 251, 712 266, 100	16, 633, 563 2, 712, 279
Net income for the year. Surplus beginning of year.	1, 259, 889 3, 833, 555	1, 315, 539	5, 283, 194	246, 949 5, 253, 959	1 1, 265, 136 3, 986, 208	664, 711 2, 683; 703	941, 298 3, 268, 191	982, 516 3, 756, 735	974, 898	985, 612	13, 921, 284
Total	5, 093, 444	5, 808, 922	5, 864, 607	5, 500, 908	2, 271, 072	3, 348, 414	4, 209, 589	4, 739, 251	5, 248, 620	5, 662, 352	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Less dividends paid on: Common Stock in cash. Common stock in stock. Preferred stock in cash.	98, 835	218, 238	279, 702	239, 950	226, 144	200, 503	94, 419 175, 713 181, 932	98, 148 182, 635 169, 766	393, 060	393, 067	2, 445, 439 358, 348 3, 947, 732
Total Transferred to capital stock—common Reserve for continuousles	461, 821	515, 409	560,026	494, 645	226, 144	200, 503	452, 064	450, 549	544, 585	525, 560	6, 751, 519
Other additions or deductions—net	138, 240	. 10, 319	50, 622	1, 107, 013 2 86, 958	2 188, 775	120,380	790	14,980	27, 295	34, 512	107, 54,
Surplus end of the year	4, 493, 383	5, 283, 194	5, 253, 959	3, 986, 208	2, 683, 703	3, 268, 291	3, 756, 735	4, 273, 722	4, 676, 740	5, 102, 280	1 0 0 0 0 0

Denotes loss.
Additions to surplus.

APPENDIX TABLE 11.—Summary of investments, profits, and rates of return for United States Tobacco Co., 1917-37

1916 1917 1918 1919 1920 1922 1922 1923	AFFENDIX LABLE 11: Summerly of envisormence, project, and record	11	to 6 insu	200000000000000000000000000000000000000	es, project	i man i	600						
\$4,600,000 \$4,688,800 \$4,688,800 \$4,688,800 \$4,938,000 \$5,590,000 \$5,520,000		1916	1917	1918	1919	1920	1922	1922	1923	1924	1925	1926	1927
9 200, 000 0, 20, 000 10, 308, 800 11, 312, 600 12, 887, 320 13, 488, 800 16, 648, 800 10, 309, 900 11, 312, 600 12, 887, 3747, 949 5, 481, 919 2, 938, 837 3, 747, 949 5, 481, 919 2, 938, 837 3, 747, 949 5, 481, 919 1, 689, 919 1, 731, 462 1, 999, 026 2, 388, 297 2, 640, 175 4, 646, 98 17, 304, 306 18, 556, 309 20, 398, 441 21, 730, 787 21, 304, 306 11, 504, 250 12, 679, 961 14, 557, 477 16, 501, 998 17, 304, 306 18, 556, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 306 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 306 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 306 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 306 18, 568, 309 20, 398, 441 21, 730, 787 21, 304, 309 20, 398, 441 21, 730, 787 21, 23, 398, 441 21, 730, 787 21, 731, 731, 731, 731, 731, 731, 731, 73	Cap	\$4,600,000 4,600,000	\$4,600,000 4,600,000	000	900	\$4, 688, 800 6, 623, 800	\$4, 938, 000 7, 948, 520	\$5, 520, 000 7, 948, 800	\$5, 520, 000 11, 128, 300	\$5, 520, 000 11, 128, 300	\$5, 520, 000 11, 128, 300	\$5, 520, 000 11, 128, 300	\$5, 520, 000 11, 128, 300
10.5 10.5		9,200,	9, 200, 000 1, 174, 260 1, 999, 026	10, 208, 1, 319, 2, 389,	11, 312, 600 2, 035, 175 2, 677, 018	11, 312, 600 2, 864, 937 2, 709, 799	12, 887, 320 3, 747, 949 1, 471, 939	13, 468, 800 5, 481, 991 1, 069, 919	348, 938, 738,	648, 300 610, 651 528, 378	16, 648, 300 4, 361, 339 3, 071, 621	16, 648, 300 5, 230, 384 3, 726, 062	16, 628, 300 6, 283, 498 4, 637, 635
11, 504, 250 12, 679, 961 14, 557, 477 16, 501, 098 17, 304, 306 18, 556, 309 20, 398, 441 21, 730, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 330, 787 21, 730, 787 21,		32,	306, 675	640, 175	476, 305	416, 970	449, 101	377, 731	405, 233	422, 863	425, 255	472, 847	521, 904
1, 210 2, 21, 138 4, 646, 312 4, 646, 066 4, 642, 890 4, 640, 856 5, 140, 651 5, 136, 630 5, 134, 004 6, 863, 062 8, 033, 644 9, 911, 411 11, 858, 208 12, 663, 450 13, 415, 658 15, 261, 811 16, 596, 783 1	7. Capital stock and surplus	11, 504,	629	14, 557, 477	16, 501, 098		18, 556, 309	20, 398, 441	1	23, 210, 102	24, 506, 515	26, 077, 593	28, 091, 337
6, 863,062 8,083,644 9, 911,411 11,858,208 12,663,450 13,415,658 15,261,811 16,596,783	8. Less: Goodwill, appreciation, and other intangibles.		646,	4, 646, 066	4, 642, 890	4, 640, 856	5, 140, 651	5, 136, 630	5, 134, 004	5, 130, 475	5, 128, 022	5, 123, 242	5, 117, 820
holders' 2, 848, 355 8, 972, 530 10, 884, 810 12, 200, 829 13, 039, 554 14, 338, 734 15, 929, 397 76 detail 2, 848, 355 4, 328, 130 6, 196, 010 7, 572, 029 8, 225, 754 9, 109, 334 10, 409, 297 77 6 detail stock 2, 12, 504 2, 166, 675 2, 182, 791 2, 237, 307 2, 338, 152 2, 398, 516 2, 509, 781 stock 16, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28		6,863,062	8, 033, 640	9, 911, 411	11, 858, 208	12, 663, 450	13, 415, 658	261,	596,	18, 079, 627	19, 378, 493	20, 954, 351	22, 973, 517
tching Federal control ders	10. Average of total investment	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7, 448, 355	972,	884,	260,	13, 039, 554	14, 338, 734	929,	17, 338, 205	18, 729, 060	20, 166, 422	21, 963, 934
Accountant Accountant Accountant Accountant Accountant Accountant (12 Accountant) Accountant (12 Accou		1	2, 848, 355	4, 328, 130	6, 196, 010	7, 572, 029	225,		297	11, 818, 205	13, 209, 060	14, 646, 422	16, 443, 934
mmon stock-vestment (12) 890, 504 1, 843, 121 1, 884, 575 1, 906, 811 2, 017, 287 2, 123, 381 2, 239, 5 vestment (12) 16, 28 24.15 20.05 18, 25 17.93 16, 69 15.76 15.79 stockholders* 16, 28 16, 28 16, 29 16, 69 16, 69 16, 69 16, 69	income and profits the Applicable to total		1, 212, 504	2, 166, 675	2, 182, 791	2, 237, 307	2, 338, 152	2, 393, 516	2, 509, 781	2, 625, 614	2, 707, 059	2, 872, 918	3, 106, 045
vestment (12	13. Applicable to common stock bolders' equity.	1	890, 504	1,843,121	1,854,575	1, 909, 091	1, 996, 811	2,017,287	2, 123, 381	2, 239, 214	2, 320, 659	2, 486, 518	2, 719, 645
stockholders" stock on the first term of the fir	Rate of return on total investment (1: +10)	1		24.15			17.93	16.69	15.76	15, 14	14.45	14.25	14.14
31, 26 42, 58 29, 93 25, 21 24, 25 42, 10 20, 40 10.	stockhol		31.26	42.58	29.93	25. 21	24. 28	22. 15	20.40	18.95	17. 57	16, 98	16.54

				-							
	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Annual Average
Capitol stock: Preferred Common	\$5, 520, 000 11, 128, 300	\$5, 520, 000 14, 943, 700	\$5, 520, 000 14, 943, 700	\$2, 600, 000 14, 943, 700	\$2, 333, 700 14, 943, 700	\$2, 333, 700 14, 943, 700	\$2, 330, 000 14, 943, 700	9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
3. Total copital 4. Surplus—earned and copital 5. Surplus and contingent reserves 6. Reserve for Federal income and profits taxes	16, 648, 300 7, 422, 797 5, 605, 860 453, 594	20, 463, 700 5, 588, 112 5, 958, 543 473, 241	20, 463, 700 5, 973, 747 6, 603, 945 472, 192	17, 543, 700 6, 137, 790 7, 276, 629 463, 384	17, 543, 700 5, 883, 485 4, 480, 512 533, 256	17, 543, 700 5, 303, 467 4, 385, 857 483, 245	17, 543, 700 5, 284, 286 4, 385, 857 494, 547	17, 277, 400 5, 447, 012 4, 385, 857 515, 690	17, 277, 400 5, 513, 228 4, 385, 857 657, 818	17, 273, 700 5, 605, 765 4, 385, 857 531, 857	
7. Capital stock and surplus. 8. Less: Goodwill, appreciation, and other intangibles.	30, 130, 551 5, 144, 729	32, 483, 596 5, 108, 861	33, 513, 584 4, 543, 381	31, 421, 503 28, 440, 953 4, 461, 395 1	28, 440, 953	27, 716, 269	27, 708, 390	27, 625, 959	27, 834, 403 27, 797, 179	27, 797, 179	
equity 1.	25, 015, 822 23, 994, 670 18, 474, 670	27, 374, 735 26, 195, 278 20, 675, 278	28, 970, 203 28, 172, 469 22, 652, 469	26, 960, 108 27, 965, 155 23, 905, 155	28, 440, 952 27, 700, 530 25, 100, 530	27, 716, 268 28, 078, 610 25, 478, 610	27, 708, 389 27, 712, 328 25, 112, 328	27, 625, 958 27, 667, 174 25, 200, 324	27, 834, 402 27, 730, 180 25, 396, 480	27, 797, 178 27, 815, 791 25, 483, 941	\$20, 671, 618 16, 299, 348
vestment stock holders equity.	3, 123, 919 2, 737, 519 13. 02	3, 251, 968 2, 865, 568 12, 41	3, 423, 010 3, 036, 610 12. 15	3, 484, 153 3, 302, 163 12, 46	4, 068, 191 3, 886, 191 14. 69	3, 887, 681 3, 709, 591 13. 85	3, 905, 663 3, 740, 626 14. 09	4, 109, 278 3, 945, 919 14. 85	4, 893, 681 4, 730, 322 17. 65	4,009,278 3,846,048 14.41	3, 071, 866 2, 771, 498 14, 80
(13 ÷11)	14.82	13.86	13.41	13.81	15.48	14. 56	14.90	15.66	18.63	15.09	17.00

¹ Average of investment at beginning and end of year.

APPENDIX TABLE 11a.—Summary of income, expenses, and surplus for United States Tobacco Co., 1917-37

		6 6	oden (out		f and ma		2000	Community of processes are can processes account to the contract of the contra			
	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
	\$6, 318, 362	\$9, 127, 106	\$10, 133, 893	\$11, 674, 028	\$12, 590, 573	\$13, 347, 870	\$14, 144, 278	\$14, 139, 419 \$14, 243, 834		\$15, 775, 037	\$16, 815, 972
11	3, 649, 657	5, 123, 764 1, 702, 545	6, 487, 118 1, 429, 109	7, 946, 493	8, 748, 432	9, 003, 419 2, 037, 241	9, 531, 718 2, 389, 268	9, 208, 663 2, 529, 699	9, 194, 869 2, 672, 491	9, 967, 658 3, 440, 137	10, 393, 905 3, 890, 904
1	5, 171, 174	6, 826, 309	7, 916, 227	9, 269, 095	10, 140, 495	11, 040, 660	11, 920, 986	11, 738, 362	11, 867, 360	13, 407, 795	14, 284, 809
	1, 147, 188 65, 316	2, 300, 797	2, 217, 666	2, 404, 933 1 167, 626	2, 450, 078 1 111, 926	2, 307, 210 86, 306	2, 223, 292 286, 489	2, 401, 057 224, 557	2, 376, 474	2, 367, 242 505, 676	2, 531, 163 574, 882
	1, 212, 504 306, 675	2, 166, 675 640, 176	2, 182, 791 476, 305	2, 237, 307	2, 338, 152 449, 101	2, 393, 516	2, 509, 781 405, 233	2, 625, 614 422, 864	2, 707, 059 425, 255	2, 872, 918	3, 106, 045 521, 905
	905, 829 960, 431	1, 525, 499 1, 174, 260	1, 706, 486 1, 319, 205	1, 820, 338 2, 035, 175	1, 889, 051 2, 864, 937	2, 015, 785 3, 749, 949	2, 104, 548 5, 481, 991	2, 202, 750 2, 938, 837	2, 281, 804 3, 610, 561	2, 400, 071 4, 361, 339	2, 584, 140 5, 230, 384
	1, 866, 260	2, 700, 759	3, 025, 691	3, 855, 513	4, 753, 988	5, 763, 734	7, 586, 539	5, 141, 587	5, 892, 365	6, 761, 410	7, 814, 524
	920, 000	138,000	662, 300	662, 360	662, 360	953, 856	1,096,879	1, 144, 626	1, 144, 626	1, 144, 626	1, 144, 626
	322, 000	323, 554	328, 216	328, 216	341, 341	376, 229	386, 400	386, 400	386, 400	386, 400	386, 400
	1, 242, 000	1, 381, 554	990, 516	990, 576	2, 328, 421	1, 330, 085	4, 662, 779	1, 531, 026	1, 531, 026	1, 531, 026	1, 531, 026
	2 550, 000				2 72, 382		2 15, 077			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 	1, 174, 260	1, 319, 205	2, 035, 175	2, 864, 937	3, 747, 949	5, 481, 991	2, 938, 837	3, 610, 561	4, 361, 339	5, 230, 384	6, 283, 498
1											

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales	\$16, 418, 705	\$16, 759, 437 \$16, 965, 114	\$16, 965, 114	\$16, 684, 188 \$15, 388,	202	\$15, 265, 687	\$15, 789, 295	295 \$16, 495, 527	\$17,850,094	\$17, 976, 214	\$303, 902, 835
Cost of goods self. Distribution and saministrative expenses.	10, 118, 042	10, 078, 719 4, 331, 664	10, 322, 693 3, 912, 911	10, 043, 999 3, 852, 362	8, 929, 661	8, 653, 534 . 3, 147, 408	9, 403, 124 2, 921, 452	9, 990, 714 3, 041, 982	10, 363, 326 3, 265, 567	10, 725, 176 3, 763, 915	187, 884, 664 59, 651, 865
Total operating expenses	14, 160, 639	14, 410, 383	14, 235, 604	13, 896, 361	11, 974, 072	11, 800, 942	12, 324, 576	13, 032, 696	13, 628, 893	14, 489, 091	247, 536, 529
Net profit on sales. Other income (net).	2, 258, 066 865, 853	2, 349, 054	2, 729, 510 693, 500	2, 787, 827 696, 336	3, 414, 130 654, 061	3, 464, 745	3, 464, 719 440, 944	3, 462, 831 646, 447	4, 221, 201 672, 480	3, 487, 123 522, 155	56, 366, 306 8, 142, 888
Net income applicable to total investment	3, 123, 919	3, 251, 968	3, 423, 010	3, 484, 163	4,068,191	3, 887, 681	3, 905, 663 494, 547	4, 109, 278 515, 638	4, 893, 681 657, 818	4,009,278	64, 509, 194 10, 016, 521
Net income for the year Surplus beginning of year	2, 670, 325 6, 283, 498	2, 778, 727	2, 950, 818 5, 588, 112	3, 020, 779 5, 973, 747	3, 534, 934 6, 137, 790	3, 396, 482 5, 883, 485	3, 411, 116 5, 303, 467	3, 593, 640 5, 284, 286	4, 235, 863 5, 447, 012	3, 462, 688 5, 513, 328	54, 492, 673
Total	8, 953, 823	10, 201, 524	8, 538, 930	8, 994, 526	9, 672, 724	9, 279, 967	8, 714, 583	8, 877, 926	9, 682, 875	8, 976, 016	
Less dividends paid on— Common stock in cash	1, 144, 626	1, 411, 612	1, 831, 400	2, 014, 540	1, 937, 368	4, 274, 092	3, 250, 735	3, 204, 950	4,006,188	3, 204,,950	35, 954, 720
Common stock in stock	386, 400	386, 400	386, 400	182,000	182,000	178,090	164, 937	163, 359	163, 359	163, 230	6, 307, 731
Total Tombiations to or from reserves	1, 531, 026	2 1, 000, 000	2, 217, 800	2, 196,	2, 119, 368	4, 452, 182	3, 415, 672	3, 368, 309	4, 169, 547	3, 368, 180	51, 502, 071 2 5, 694, 140
Premium paid on preferred stock retired Goodwill and other infazzibles written off	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			660, 196	4, 461, 394			L		V 1	4, 461, 394
Profit on sale of treasury stock Other additions or deductions (net)						2 475, 682	14,625	62, 605		2,071	2 475, 682 2 606, 500
Surpius end of the year	7, 422, 797	5, 588, 112	5, 973, 747	6, 137, 790	5, 883, 485	5, 303, 467	5, 284, 286	5, 447, 012	5, 513, 328	5, 605, 765	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Denotes loss.

Denotes additions to surplus.

APPENDIX TABLE 12.—Summary of investments, profits, and rates of return for American Snuff Co., 1917-37

	1927	\$3, 952, 800 11, 000, 000	14, 952, 800 5, 443, 670 602, 018	458, 186 21, 456, 674	10, 126, 996	11, 329, 678 11, 098, 849 7, 146, 049	2, 282, 202	2,045,034	20, 56	28.62
	1926	\$3, 952, 800 11, 000, 000	14, 952, 800 5, 026, 921 589, 778	425, 517 20, 995, 016	10, 126, 996	10, 868, 020 10, 757, 520 6, 804, 720	1,947,285	1, 710, 117	18.10	25. 13
	1925	\$3, 952, 800 11, 000, 000	14, 952, 800 4, 910, 639 510, 594	399, 983 20, 774, 016	10, 126, 996	10, 647, 020 10, 598, 164 6, 645, 364	1, 912, 158	1,674,.990	18.04	25. 21
,	1924	\$3, 952, 800 11, 000, 000	14, 952, 800 4, 827, 649 497, 084	398, 771 20, 676, 304	10, 126, 996	10, 549, 308 10, 409, 479 6, 456, 679	2, 122, 968	1,885,800	20.39	29.21
	1923	\$3, 952, 800 11, 000, 000	14, 952, 800 4, 526, 229 483, 603	434, 014 20, 396, 646	10, 126, 996	10, 269, 650 10, 115, 982 6, 163, 182	2, 392, 520	2, 155, 352	23, 65	34. 97
	1922	\$3, 952, 800 11, 000, 000	14, 952, 800 4, 220, 878 474, 460	20, 089, 310	10, 126, 996	9, 962, 314 9, 573, 506 5, 620, 706	2, 746, 786	2, 509, 618	28.69	44.65
	1921	\$3, 952, 800 11, 000, 000	14, 952, 800 3, 584, 091 262, 439	512, 363 19, 311, 693	10, 126, 996	9, 184, 697 9, 073, 002 5, 120, 202	2, 244, 886	2,007,718	24, 74	39. 21
	1920	\$3, 952, 800 11, 000, 000	14, 952, 800 3, 329, 579 250, 186	555, 737 19, 088, 302	10, 126, 996	8, 961, 306 8, 722, 079 4, 769, 279	2, 406, 760	2, 169, 592	27. 59	45, 49
	1919	\$3, 952, 800 11, 000, 000	14, 952, 800 2, 869, 987 278, 997	508, 063 18, 609, 847	10, 126, 996	8, 482, 851 8, 382, 511 4, 429, 711	2, 249, 412	2, 012, 244	26, 83	45, 43
	8161	\$3, 952, 800 11, 000, 000	14, 952, 800 2, 542, 743 310, 624	603,000 18,409,167	10, 126, 996	8, 282, 171 8, 043, 286 4, 090, 486	2, 134, 564	1, 897, 396	26.54	46.39
	. 1917	\$3, 952, 800 11, 000, 000	14, 952, 800 2, 456, 018 276, 520	246, 059 17, 931, 397	10, 126, 996	7, 804, 401 7, 677, 347 3, 724, 547	1, 748, 238	1, 511, 070	22, 77	40.57
	1916	\$3, 952, 800 11, 000, 000	14, 952, 800 2, 398, 541 286, 567	39, 381 17, 677, 289	10, 126, 996	7, 550, 293	1		1	1
		Capital stock: 1. Preferred. 2. Common.	4. Surplus—earned and capital	2 13	ation,	9. Total investment	income and profits taxes: 12. Applicable to total investment	holders' equity.	(12 + 0) return on total investment (12 + 0) return on total investment.	equity (13+11)

Annual				, 420, 737	2, 194, 544 1, 957, 376 19. 22	26. 23
1937 · 1	\$3, 952, 000 111, 000, 000	14, 952, 800 9, 007, 374 969, 277 285, 442	25, 214, 893	15, 087, 897 15, 133, 986 11, 181, 186	1, 868, 591 2 1, 631, 423 1	14.59
1936	\$3,952,800 \$ 11,000,000 I	14, 952, 800 1, 9, 061, 151 995, 113 298, 007	25, 307, 071 29		1, 966, 473 1, 729, 305 13. 18	15.77
1935	\$3, 952, 800 11, 000, 000	14, 952, 800 8, 529, 979 1, 004, 289 291, 323		14, 651, 395 14, 578, 747 10, 625, 947	1, 946, 773 1, 709, 605 13. 35	16.09
1934	\$3, 952, 800 11, 000, 000	14, 952, 800 8, 511, 729 793, 257 375, 308	24, 633, 094 24, 778, 391 10, 126, 996 10, 126, 966	14, 506, 098 14, 314, 310 10, 361, 510	2, 333, 773 2, 096, 605 16. 30	. 20. 23
1933	\$3, 952, 800 11, 000, 000	14, 952, 800 8, 162, 216 757, 486 377, 016	24, 249, 518	14, 122, 522 13, 683, 640 9, 730, 840	2, 348, 029 2, 110, 861 17, 16	21.69
1932	\$3, 952, 800 11, 000, 000	14, 952, 800 7, 303, 152 770, 665 345, 136	23, 371, 753	13, 244, 757 13, 149, 511 9, 196, 711	2, 143, 521 1, 906, 353 16. 30	20.73
1931	\$3, 952, 800 11, 000, 000	14, 952, 800 7, 152, 295 7, 753, 907 322, 259	23, 181, 261	13,054,265 12,886,970 8,934,170	2, 224, 440 1, 987, 272 17. 26	22, 34
1930	\$3, 952, 800 11, 000, 000	14, 952, 800 . 6, 903, 331 599, 624 390, 915	22, 846, 670 10, 126, 996	12, 719, 674 12, 603, 504 8, 650, 704	2, 133, 132 1, 895, 964 16, 92	21.92
1929	\$3, 952, 800 11, 000, 000	14, 952, 800 6, 677, 450 590, 418 393, 662	22, 614, 330 10, 126, 996	12, 487, 334 12, 348, 091 8, 395, 291	2, 349, 616 2, 112, 448 19, 03	25. 16
1928	\$3, 952, 800 11, 000, 000	14, 952, 800 6, 345, 037 599, 450 438, 556	22, 335, 843 10, 126, 996	12, 208, 847 11, 769, 263 7, 816, 463	2, 583, 298 2, 346, 130 21, 95	30.02
		reserves. ne and profits taxes.	7. Capital stock and surplus. 8. Less goodwill, appreciation, and other intangibles.	leral income	12. Applicable to total investment. 13. Applicable to common stockholders' equity 18 Applicable to common stockholders' equity 18 Applicable to common stockholders' equity 18 Abso of return on common stockholders' enriev	

1 Average of investment at beginning and end of year.

APPENDIX TABLE 12A .-- Summary of income, expenses, and surplus for American Snuff Co., 1917-37

	7161	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
										000	000
Met seles	\$5, 184, 910	\$6, 885, 836	\$7,807,301	\$8, 896, 430	\$9, 165, 452	\$9, 347, 902	\$8, 943, 901	\$8, 600, 209	\$8, 128, 852	\$7, 970, 338	\$8, 487, 889
- :	3, 318, 429	4, 539, 040	5, 262, 813	6,044,553	6, 670, 336	6, 334, 174	6, 236, 848	6, 112, 357	5, 787, 959	5, 679, 819	5, 932, 672
Distribution and administrative ex-	510, 363	598, 311	713, 278	897, 870	759, 198	799, 110	856, 059	887, 395	897, 575	862, 716	856, 757
Total operating expenses.	3, 828, 792	5, 137, 351	5, 976, 091	6, 942, 423	7, 429, 534	7, 133, 284	7, 092, 907	6, 999, 752	6, 685, 534	6, 542, 535	6, 789, 429
Net profit on sales Other income (net)	1,356,118	1, 748, 485	1, 831, 210 418, 202	1, 954, 007	1, 735, 918 508, 968	2, 214, 618 532, 168	1, 850, 994 541, 526	1, 600, 457 522, 511	1, 443, 318 468, 840	1, 427, 803 519, 482	1, 698, 460 583, 742
Net income applicable to total	1, 748, 238	2, 134, 564	2, 249, 412	2, 406, 760	2, 244, 886	2, 746, 786	2, 392, 520	2, 122, 968	1, 912, 158	1, 947, 285	2, 282, 202
Provision for Federal income and profits taxes.	245, 268	601, 296	475,000	500,000	430,000	352, 518	310,001	272, 870	272, 000	275, 410	317, 619
Net income for the year	1, 502, 070 2, 398, 541	1, 533, 268 2, 456, 018	1, 774, 412 2, 542, 743	1, 906, 760 2, 869, 987	1,814,886 3,329,579	2, 394, 268 3, 584, 091	2, 082, 519 4, 220, 878	1,850,098 4,526,229	1, 640, 158 4, 827, 649	1, 671, 875 4, 910, 639	1, 964, 583 5, 026, 921
Total	-3, 901, 511	3, 989, 286	4, 317, 155	4, 776, 747	5, 144, 465	5, 978, 339	6, 303, 397	6, 376, 327	6, 467, 807	6, 582, 514	6, 991, 504
Less dividends paid on: Common stock in eash Preferred stock in eash	1, 210, 000 237, 168	1, 210, 000	1, 210, 000	1, 210, 000	1, 320, 000	1, 320, 000 237, 168	1, 540, 000	1, 320, 000	1, 520, 000	1, 320, 000 237, 168	1, 320, 000
Total	1, 447, 168	1, 447, 168	1, 447, 168	1, 447, 168	1, 557, 168	1, 557, 168	1, 777, 168	1, 557. 168	1, 557, 168	1, 557, 168	1, 557, 168
Transfer to or from reserves. Other additions or deductions (net)	11,675	1 625			3, 206	313		18,490		1 1, 575	1 9, 334
Surplus end of the year	2, 456, 018	2, 542, 743	2, 869, 987	3, 329, 579	3, 584, 091	4, 220, 878	4, 526, 229	4, 827, 649	4, 910, 639	5, 026, 921	5, 443, 670

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales	\$8, 826, 359	\$8, 399, 747	\$8, 289, 328	\$8, 407, 626	\$7, 744, 158	\$7, 531, 064	\$7, 636, 344	\$7, 551, 001	\$7, 530, 555	\$7, 550, 634	\$168, 885, 836
Cost of goods soid.	6, 053, 114	5, 821, 985	5, 868, 378	5, 918, 747	5, 216, 827	4, 806, 823	5, 027, 754	5, 150, 459	4, 915, 690	4, 914, 884	.115, 613, 661
- 1	844, 690	874, 312	870, 751	871, 706	919, 767	913, 958	867, 216	1,059,453	1, 366, 746	1, 336, 928	18, 564, 159
Total operating expenses	6, 897, 804	6, 696, 297	6, 739, 129	6, 790, 453	6, 136, 594	5, 720, 781	5, 894, 970 .	6, 209, 912	6, 282, 436	6, 251, 812	134, 177, 820
Net profit on salesOther income (net)	1, 928, 555 654, 743	1, 703, 450 646, 166	1, 550, 199 582, 933	1, 617, 173 607, 267	1, 607, 564 535, 957	1, 810, 283 537, 746	1, 741, 374 592, 399	1, 341, 089 605, 684	1, 248, 119 718, 354	1, 298, 822 569, 769	34, 708, 016 11, 377, 409
Net income applicable to total investment	2, 583, 298	2, 349, 616	2, 133, 132	2, 224, 440	2, 143, 521	2, 348, 029	2, 333, 773	1, 946, 773	1, 966, 473	1, 868, 591	46, 085, 425
tovision to Federal Income and prone	308, 283	263, 985	261, 237	279, 106	289, 496	321, 797	317, 092	261, 355	268, 133	255, 200	6, 877, 666
Net income for the yearSurplus beginning of year	2, 275, 015 5, 443, 670	2, 085, 631 6, 345, 037	1, 871, 895 6, 677, 450	1, 945, 334 6, 903, 331	1,854,025 7,152, 39 5	2, 026, 232 7, 303, 152	2, 016, 681 8, 162, 216	1, 685, 418 8, 511, 729	1, 698, 340 8, 529, 979	1, 613, 391 9, 061, 151	39, 207, 759
Total	7, 718, 685	8, 430, 668	8, 549, 345	8, 848, 665	9, 006, 320	9, 329, 384	10, 178, 897	10, 197, 147	10, 228, 319	10, 674, 542	
Less dividends paid on: Common stock in cash Preferred stock in cash	1, 540, 000 237, 168	1, 540, 000	1, 430, 000 237, 168	1, 430, 000 237, 168	1, 430, 000	1, 430, 000	1, 430, 000	1, 430, 000	1, 430, 000 237, 168	1, 430, 000 237, 168	28, 820, 000 4, 980, 528
Transfer to or from reserves	1, 777, 168 1 403, 520	1, 777, 168	1, 667, 168		1, 667, 168	1, 667, 168	1, 667, 168	1, 667, 168	1, 667, 168	1, 667, 168	33, 800, 528 1 1, 203, 520
Other additions or deductions (net)	1	1 23, 950	1 21, 154	28, 202	36,000					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,
Surplus end of the year	6, 345, 037	6, 677, 450	6, 903, 331	7, 152, 295	7, 303, 152	8, 162, 216	8, 511, 729	8, 529, 979	9, 061, 161	9, 007, 374	0 0 0 1 1 1 1 1 1

¹ Denotes additions to surplus.

IX TABLE 13.—Summary of investments, profits, and rates of return for George W. Helme Co., 1917-37

APPENDIX LABLE 15.—Duntingly of processioning, project of	10.—24	mman y o	O TOPO O TOPO	afaid tons				,				
	9161	1917	1918	1919	, 1920	1921	1922	1923	1924	1925	1926	1927
Capital stock: Preferred	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000 4,000,000	\$4,000,000	\$4,000,000 6,000,000	\$4,000,000	\$4,000,000	\$4,000,000 6,000,000	\$4,000,000 6,000,000
000140000	8, 000, 000 1, 619, 526 956, 198	8,000,000 1,697,496 1,148,723	8, 000, 000 2, 092, 199 1, 346, 162	8, 000, 000 2, 507, 165 1, 535, 278	8,000,000 3,029,715 1,737,095	8, 000, 000 3, 728, 179 1, 960, 050	10, 000, 000 2, 553, 791 2, 209, 791	10, 000, 000 3, 230, 097 2, 423, 605	10, 000, 000 3, 529, 847 2, 634, 123	10,000,000 3,833,571 2,866,604	10, 000, 000 4, 097, 491 3, 061, 553	10, 000, 000 4, 396, 340 3, 260, 385
6. Reserve for Federal income and	26,302	196, 200	454, 283	327, 990	400, 845	416, 494	324, 181	318, 114	332, 453	348, 858	353,011	366, 506
7. Oanital stock and surplus	10, 602, 026	11, 042, 419	11, 892, 644	12, 370, 433	13, 167, 655	14, 104, 723	15, 087, 763	15, 971, 816	16, 496, 423	17, 049, 033	17, 512, 055	18, 023, 233
Less	442, 298	550, 013	550, 013	534, 185	518, 912	514, 191	642, 849	744, 360	827, 636	922, 308	1, 022, 820	1, 033, 145
9. Less common stock in treasury at		1	,	827	44, 598	83, 997	93, 997	93, 031	76, 465	75, 317	29, 160	28, 610
10. Total treasury stock	442, 298	550, 013	550, 013	535, 012	563, 510	598, 188	636, 846	837, 391	904, 101	997, 625	1, 051, 980	1, 061, 755
11. Capital stock outstanding and sur-	10, 159, 728	10, 492, 406	11, 342, 631	11, 835, 421	12, 604, 145	13, 506, 535	14, 450, 917	15, 134, 425	15, 592, 322	16, 051, 408	16, 460, 075	16, 961, 476
12. Less goodwill, appreciation, and	3,091,000	3, 140, 699	3, 140, 699	3, 140, 699	3, 140, 699	3, 140, 699	3, 140, 699	3, 140, 699	3, 140, 699	3, 140, 699	3, 140, 699	3, 140, 699
13. Total investment.	7,068,728	7, 351, 707	8, 201, 932	8, 694, 722	9, 463, 446	10, 365, 836	11, 310, 218	11, 993, 726	12, 451, 623	12, 910, 709	13, 319, 376	13, 820, 77
A verage of total invest		7, 210, 217	7, 776, 819	8, 448, 327	9, 079, 084	9, 914, 641	10, 838, 027	11, 651, 972	12, 222, 674	12, 681, 166	13, 115, 042	13, 570, 076
15. Average of common stockholders'	- !	3, 210, 217	3, 776, 819	4, 448, 327	5, 079, 084	5, 914, 641	6, 838, 027	7, 651, 972	8, 222, 674	8, 681, 156	9, 115, 042	9, 570, 076
Net income before deducting Federal income and profits taxes: A profice before and profits taxes:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1, 233, 921	1, 501, 457	1, 564, 074	1, 862, 575	1, 931, 254	2, 325, 075	2, 400, 334	2, 553, 328	2, 505, 675	2, 530, 210	2, 620, 700
		953, 921	1, 221, 457	1, 284, 074	1, 582, 575	1, 651, 254	2, 045, 075	2, 120, 334	2, 273, 328	2, 225, 675	2, 250, 210	2,340,700
Rate of return on total investment	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17.11	19.31	18. 51	20. 52	19.48	21.45	20.60	20.89	19.76	19. 29	19.31
turn on common-		29. 72	32.34	28.87	31.16	27. 92	29.91	27. 71	27.65	25.64	24.69	24. 46

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Annual	
Capital stock: Preferred Common.	\$4,000,000 6,000,000	\$4,000,000	\$4,000,000 6,000,000	\$4, 000, 000 6, 000, 000	\$4,000,000 6,000,000	\$4,000,000 6,000,000	\$4,000,000 6,000,000	\$4,000,000 6,000,000	\$4,000,000 6,000,000	\$4,000,000 6,000,000		
3. Total 4. Surplus 5. Surplus and contingency reserves 6. Reserve for Federal income and profits taxes	10, 000, 000 4, 737, 391 3, 442, 651 335, 543	10,000,000 5,102,385 3,649,172 338,018	10, 000, 000 5, 473, 886 3, 810, 863 309, 707	10, 000, 000 5, 661, 576 3, 944, 525 286, 610	10, 000, 000 5, 719, 142 3, 956, 557 279, 153	10, 000, 000 5, 867, 145 876, 912 294, 737	10,000,000 4,839,817 882,441 324,628	10, 000, 000 4, 872, 670 850, 296 275, 364	10, 000, 000 4, 829, 879 854, 217 299, 223	10, 000, 000 4, 591, 180 858, 463 262, 155		
Capital stock and surplus	18, 515, 585	19, 059, 575	19, 594, 456	19, 892, 711	19, 954, 852	17, 038, 794	16,046,886	15, 998, 330	15, 983, 319	15, 711, 798		
8. Less preferred stock in treasury at cost9. Less common stock in treasury at cost	1, 141, 924 35, 333	1, 322, 668 282, 890	1, 411, 235	1, 436, 691 345, 479	1,503,220	1, 516, 279 198, 931	721, 375	721,375	721, 375	721, 375		
Total treasury stock	1, 177, 257	1, 605, 558	1, 744, 120	1, 782, 170	1,871,139	1, 715, 210	721, 375	721,375	721,375	721, 375	1 1 1 1 1 1 1 1 1 1	
11. Capital stock outstanding and surplus.	17, 338, 328	17, 454, 017	17, 850, 336	18, 110, 541	18, 083, 713	15, 323, 584	15, 325, 511	15, 276, 955	15, 261, 944	14, 990, 423	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
12. Less goodwill, appreciation, and other intangi-	3, 140, 699	3, 140, 699	3, 140, 699	2, 710, 439	2, 710, 439	1	1	1	1	1		
Total investment	14, 197, 629	14, 313, 318	14, 709, 637	15, 400, 102	15, 373, 274	15, 323, 583	15, 325, 510	15, 276, 954	15, 261, 943	14, 990, 422	2 2 3 4 1 9 9	
14. Average of total investment 1	14, 009, 203 10, 009, 203	14, 255, 473 10, 255, 473	14, 511, 477 10, 511, 477	15, 054, 869 11, 054, 869	15, 386, 688 11, 386, 688	15, 348, 428 11, 348, 428	15, 324, 546 11, 324, 546	15, 301, 232 11, 301, 232	15, 269, 448 11, 269, 448	15, 126, 182 11, 126, 182	\$12,671,219 8,671,219	
profits taxes: 16. Applicable to total investment	2, 652, 720 2, 372, 720 18. 94	2, 649, 304 2, 369, 304 18, 58	2, 555, 829 2, 275, 829 17. 61	2, 325, 600 2, 045, 600 15, 45	2, 176, 763 1, 896, 763 14, 15	2, 235, 511 2, 045, 942 14. 57	2, 303, 965 2, 102, 862 15, 03	2, 146, 519 1, 927, 716 14. 15	2, 170, 839 1, 934, 036 14. 22	1, 940, 259 1, 703, 456 12. 83	2, 200, 186 1, 934, 421 17. 36	
Rate of return on common-stock equity (17÷15) percent	23.71	23. 10	21.65	18.50	16.66	18.03	18.57	17.08	17.16	15.31	32 31	

1 Average of investment at beginning and end of year.

APPENDIX TABLE 13A. -- Summary of income, expenses, and surplus for George W. Helme Co., 1917-37

	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Net sales.	\$4, 365, 928	\$6, 582, 915	\$6, 631, 905	\$7, 338, 486	\$7, 793, 781	\$8, 151, 709	\$8, 394, 337	\$8, 537, 336	\$8, 320, 465	\$8, 217, 361	\$8, 242, 391
Cost of goods sold	2, 810, 762	4, 648, 177 533, 062	4, 576, 777 549, 497	4, 922, 824 643, 126	5, 295, 096 669, 388	5, 331, 578 741, 143	5, 541, 545 , 743, 063	5, 549, 497 749, 425	5, 371, 941 770, 125	5, 316, 094 716, 013	5, 236, 433
Total operating expenses	3, 288, 237	5, 181, 239	5, 126, 274	5, 565, 950	5, 964, 484	6, 072, 721	3, 284, 608	6, 298, 922	6, 142, 066	6, 032, 107	5, 986, 488
Net profit cu sales.	1,077,691	1, 401, 676 99, 781	1, 505, 631 58, 443	1, 772, 536 90, 039	1, 829, 297	2, 078, 988 246, 087	2, 109, 729 290, 605	2,238,414	2, 178, 399 327, 276	2, 185, 254 344, 956	2, 255, 903 364, 797
Net income applicable to total investment Provision for Federal income and profits taxes	1, 233, 921 200, 000	1, 501, 457 460, 810	1, 564, 074	1,862,575	1, 931, 254 431, 562	2, 325, 075 362, 668	2, 400, 334 318, 114	2, 553, 328 332, 203	2, 505, 675 362, 357	2, 530, 210 351, 797	2, 620, 700 366, 806
Net income for the yearSurplus beginning of year	1, 033, 921 1, 619, 526	1,040,647	1, 235, 510 2, 092, 199	1, 458, 054 2, 507, 165	1, 499, 692 3, 029, 715	1, 962, 407 3, 728, 179	2, 082, 220 2, 553, 791	2, 221, 125 3, 230, 097	2, 143, 318 3, 529, 847	2, 178, 413 3, 833, 571	2, 253, 894 4, 097, 491
Total	2, 653, 447	2, 738, 143	3, 327, 709	3, 965, 219	4, 529, 407	5, 690, 586	4, 636, 011	5, 451, 222	5, 673, 165	6, 011, 984	6, 351, 385
Less dividends paid on: Common stock in cash	560, 000	400,000	560,000	260,000	260,000	900,000	1, 140, 000	1, 620, 000	1, 620, 000	1, 680, 000	1,680,000
Preferred stock in cash	280,000	280,000	280,000	280,000	280,000	280,000	280,000	280,000	280,000	280,000	280,000
Total Dividends received on Treasury stock 1. Reserve for decline in ratio of investments.	840, 000 28, 973 144, 924	680, 000 34, 056	840, 000 33, 810 14, 354	840, 000 32, 154 127, 658	840,000	3, 180, 000	1, 420, 000 54, 086 40, 000	i, 900, 000 62, 850 84, 225	1, 900, 000 72, 078 11, 672	1, 960, 000 79, 319 33, 812	1, 960, 000 72, 182 67, 227
Other deductions (net)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							1		
Surplus end of the year	1, 697, 496	2, 092, 199	2, 507, 165	3, 029, 715	3, 728, 170	2, 553, 791	3, 230, 097	3, 529, 847	3, 833, 571	4, 097, 491	4, 396, 340

	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	Total
Net sales	\$7, 956, 331	\$7, 820, 363	\$7, 507, 862	\$7,063,107	\$6, 284, 931	\$6, 305, 138	\$6, 699, 000	\$6, 427, 702	\$6, 163, 501	\$5, 894, 740	\$150, 699, 289
Cost of goods sold	4, 936, 605 789, 549	4, 784, 775	4, 611, 405	4, 391, 933	3, 952, 653 619, 592	3, 919, 816 608, 738	4, 250, 618 634, 146	4, 090, 330 647, 256	3, 803, 644 643, 951	3, 720, 124 659, 018	97, 062, 627 14, 399, 627
Total operating expenses	5, 726, 154	5, 635, 828	5, 406, 460	5, 200, 830	4, 572, 245	4, 528, 554	4, 884, 764	4, 737, 586	4, 447, 595	4, 379, 142	111, 462, 254
Net profit on sales.	2, 230, 177	2, 184, 535	2, 101, 402 454, 427	1, 862, 277	1, 712, 686 464, 077	1, 776, 584 458, 927	1, 814, 236 489, 729	1, 690, 116 474, 403	1, 715, 906 454, 933	1, 515, 598 424, 661	39, 237, 035 6, 966, 877
Net income applicable to total investment Provision for Federal income and profits taxes	2, 652, 720 338, 182	2, 649, 304 308, 018	2, 555, 829 309, 597	2, 325, 600 286, 250	2, 176, 763 279, 152	2, 235, 511 284, 737	2, 303, 965 315, 078	2, 164, 519 265, 917	2, 170, 839 296, 827	1, 940, 259 262, 155	46, 203, 912 6, 865, 315
Net income for the year	2, 314, 538 4, 396, 340	2, 341, 286 4, 737, 391	2, 246, 232 5, 102, 385	2, 039, 350 5, 473, 886	1, 897, 611 5, 661, 576	1, 950, 774 5, 719, 142	1, 988, 887 5, 867, 145	1, 898, 602 4, 839, 817	1, 874, 012 4, 872, 670	1, 678, 104 4, 829, 879	39, 338, 597
Total	6, 710, 878	7, 078, 677	7, 348, 617	7, 513, 236	7, 559, 187	7, 669, 916	7,856,032	6, 738, 419	6, 746, 682	6, 507, 983	
Less dividends paid on: Common stock in cash Common stock in stock	1, 680, 000	1, 680, 000	1, 680, 000	1, 680, 000	1, 680, 000	1, 651, 264	2, 812, 451	1, 680, 000	1, 680, 000	1, 680, 000	29, 183, 715 2, 000, 000
Preferred stock in cash	280,000	280,000	280,000	280,000	280,000	189, 569	201, 103	236, 803	236, 803	236, 803	5, 581, 081
Total.	1, 960, 000	1, 960, 000	1, 960, 000	1, 960, 000	1, 960, 000	1, 840, 833	3, 013, 554	1, 916, 803	1, 916, 803	1, 916, 803	36, 764, 796 1 1, 088, 992
Reserve for decline in value of investments	88, 934	97, 902	22, 467	6, 357				1 51, 054			739, 532
Other deductions (net)		2 5 1 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5					2, 661			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2, 661
Surplus end of the year	4, 737, 391	5, 102, 385	5, 473, 886	5, 661, 576	5, 719, 142	5, 867, 145	4, 839, 817	4, 872, 670	4, 829, 879	4, 591, 180	9 9 9 4 8 8 1 1

1 Additions to surplus.



PART III

INVESTMENTS, PROFITS, AND RATES OF RETURN FOR IRON AND STEEL MANUFACTURERS

17739

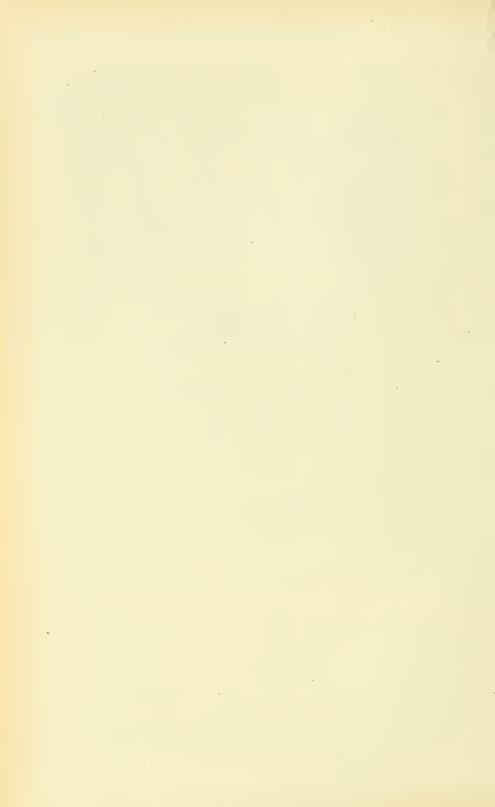


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INVESTMENTS, PROFITS, AND RATES OF RETURN FOR IRON AND STEEL MANUFACTURERS

Introduction

This report deals with the investments, profits, and operations of 11 companies which supply the bulk of the demand for iron and steel products. Their operations constitute integrated systems from raw material to finished product, and include the production of iron ore, pig iron, coal, limestone, crude steel, castings, and a great variety of semifinished and finished steel products. These companies are United States Steel Corporation, Bethlehem Steel Corporation, Republic Steel Corporation, Jones & Laughlin Steel Corporation, National Steel Corporation, Youngstown Sheet & Tube Co., Inland Steel Co., American Rolling Mill Co., Wheeling Steel Corporation, Otis Steel Co., and Pittsburgh Steel Co.

The investments, profits, and rates of return for these companies, individually and as a group, are presented for each of the years 1917–38 for which the information was available. Comparisons are made of returns on investments and of sales and operating results for the respective companies; and their position in the industry is indicated in terms of production, capacity, investment, and volume of business. Information is also presented with respect to salaries and other compensation paid in recent years to officers and directors of these companies.

The financial information, which is the basis for the discussion of investments, profits, and rates of return, was obtained from certified written reports submitted by the companies in answer to questionnaires, and from their published annual reports. In the case of United States Steel Corporation, the dominant company in the industry, the study was supplemented by an extensive field examination at the offices of the company. For this reason a separate section of this report is devoted to the investments, profits, and operations of this company and its subsidiaries.

HISTORY AND BUSINESS OF COMPANIES UNDER REVIEW

The 11 companies whose operations are the subject of this report own 84 percent of the steel-making capacity of the country. The annual capacity in gross tons for each company and its subsidiaries and the percentage of each company's capacity of the total for the industry are as follows:

Name of company	Annual ca- pacity 1	Percent of total for in- dustry
United States Steel Corporation Bethlebem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation National Steel Corporation Youngstown Sheet & Tube Co	3, 671, 200 3, 400, 000 3, 120, 000 2, 760, 000	35. 31 13. 75 8. 90 5. 03 4. 65 4 27 3. 78
American Rolling Mill Co Wheeling Steel Corporation Otis Steel Co Pittsburgh Steel Co.	2, 603, 500 1, 750, 000 872, 000 810, 000	3. 56 2. 39 1. 19 1. 11
Total	61, 318, 700	83 94

¹ Annual capacities in gross tons of steel ingots and steel for eastings as reported for the industry in the 1938 edition of the Iron and Steel Works Directory of the United States and Canada. Total capacity forthe industry reported to be 73,047,892 gross tons.

The history and nature of the business conducted by each of the companies listed above are briefly set forth below.

UNITED STATES STEEL CORPORATION

The United States Steel Corporation, the dominant company in the industry, was incorporated in New Jersey on February 25, 1901, as a holding company to acquire the capital stocks giving control of the following companies:

Carnegie Co. Federal Steel Co. National Steel Co. American Steel and Wire Co. American Sheet Steel Co. American Tin Plate Co. American Steel Hoop Co. American Bridge Co. National Tube Co. Shelby Steel Tube Co.
Lake Superior Consolidated Iron Mines

According to the report of the Commissioner of Corporations on the steel industry, the formation of United States Steel Corporation was the culmination of a consolidation movement which was begun in the late 90's. Great consolidations, one after another, were effected in the principal branches of the industry. This movement toward industrial consolidation was characterized by the restriction of competition through combination, the integration or linking up of productive processes through acquisition under one control of raw materials and manufacturing plants, and the creation of a large amount of inflated securities and attendant promotional profits.

According to the report, the three great companies dominating the production of crude and semi-finished steel at the time of the organization of United States Steel Corporation were the Carnegie Co., the Federal Steel Co., and National Steel Co. Six other large concerns, the American Steel & Wire Co., American Sheet Steel Co., American Tin Plate Co., American Steel Hoop Co., American Bridge Co., and National Tube Co. controlled the lighter finished products. Not one of these concerns was entirely self-sufficient. The secondary group was dependent upon the primary group for its crude steel, and the primary group was largely dependent upon the secondary group for a market for is products.

These great concerns almost simultaneously began a movement for self-sufficiency. The secondary group began acquiring ore reserves and crude steel plants and the primary group, finding their chief customers turning into rivals, began the manufacture of finished products. These efforts toward integration threatened to result in great duplication of steel producing and finishing capacity of the country and to involve them also in the invasion of each other's business. In 1900 the Carnegie Co. threatened to erect a great tube plant near Cleveland, thus invading the field of finished manufacture. Steel men and associated financial interests regarded this situation as dangerous and efforts were begun to merge the conflicting interests into a great corporation and avert a threatened "steel war." This led to the formation of United States Steel Corporation with a total capitalization of over \$1,402,000,000 to acquire the capital stocks of the companies listed

above and to provide it with working capital.

The report of the Commissioner of Corporations also states that the actual value of the Steel corporation's entire tangible properties at its formation was not more than \$700,000,000, or about one-half its capitalization. More specifically it was estimated that of the total capitalization of the company at its formation, \$720,-846,817 represented intangible values, and \$682,000,000 represented tangible assets. Recognition was given to this estimate as evidenced by the following statement appearing in the annual report of the United States Steel Corporation

to its stockholders for the year 1938:

"As far back as 1917 when the war-time excess-profits tax laws were in force, the Internal Revenue Department in its calculations to determine and verify invested capital for tangibles accepted a plan designed to fix such investment values at the date of the formation of the corporation on April 1, 1901. This plan was based upon values appraised some years prior to 1917 by the United States Department of Commerce and Labor, Bureau of Corporations. With the enactment of the Federal Securities Exchange Act of 1934 and the regulations promulgated thereunder, the necessity developed for a segregation in the accounts of the intangible values. Accordingly, the plan accepted by the Internal Revenue

¹ Part I, 1911.

Department, as above outlined, was utilized as the initial basis from which to

obtain this separation of intangible values."

By December 31, 1938, the United States Steel Corporation had written down to a nominal value of \$1 all of the \$720,846,817 of intangible values included in its assets at the time of its organization together with \$47,824,205 of additional intangible values resulting from subsequent acquisition.

Enormous profits were made from the flotation of securities of United States Steel Corporation at the time of its organization. The underwriting syndicate alone, of which J. P. Morgan & Co. were the managers, cleared a cash profit of

about \$62,500,000.

As a result of this great industrial combination, there was centered in one concern approximately 43 percent of the pig iron production of the country, 65 percent of the production of steel ingots and castings, and 50 percent of the production of all kinds of finished rolled products. However, the position of United States Steel Corporation with respect to its participation in the industry has steadily declined since that time, particularly with regard to the production of steel ingots and castings. For example, by 1938 its participation in the industry had fallen to 33 percent of the production of steel ingots and castings and 29 percent of the production of finished rolled products.

Table 1, which follows, gives the steel corporations participation in the industry with regard to the production of steel ingots and castings, finished rolled products, and certain other products, for each of the years 1913-38. The source of the information for the percentages shown in the table was the annual statistical

reports of the American Iron and Steel Institute.

Table 1.—Participation by subsidiaries of United States Steel Corporation in the total United States production of steel ingots and castings, finished rolled products and certain other products, for each of the years 1913-38

	Steel		F	inished r	olled stee	el produc	ets		m:-		
Year	ingots and east- ings	Steel rails	Struc- tural shapes	Plates	Sheets, black plate, strip 1	Wire	Other finished rolled prod- ucts 1	Total finished rolled prod- ucts	Tin plate and terne plate	Wire nails	Tubes and pipe ²
1913	Per-cent 53. 2 50. 9 45. 0 9 45. 0 44. 1 44. 1 45. 2 43. 4 45. 2 43. 4 41. 6 42. 1 41. 1 39. 0 38. 8 41. 2 38. 9 36. 0 34. 6 33. 2 32. 6 33. 2	Per-cent 55. 5 6 6 51. 8 54. 4 54. 8 62. 0 58. 2 56. 9 57. 3 57. 6 6 55. 0 55. 3 52. 1 50. 6 2 56. 9 56. 3 52. 2 52. 0 55. 3 53. 3 53. 3 53. 3 53. 3 53. 3 53. 3 53. 3 53. 3 53. 53.	Per- cent 54. 0 47. 5 46. 1 49. 4 47. 9 48. 4 43. 8 43. 9 47. 5 46. 3 48. 0 42. 8 40. 7 39. 9 38. 8 9 41. 8 44. 6 45. 4 43. 9 39. 1 42. 2 40. 4 43. 6 44. 7 44. 4	Per-cent 53. 1 47. 3 49. 8 51. 5 50. 0 50. 0 50. 2 46. 4 56. 5 51. 6 54. 9 54. 4 51. 1 51. 0 52. 0 54. 9 54. 4 31. 51. 0 54. 9 54. 3 51. 9 54. 3 50. 0 61. 3	Per- cent 44. 8 39. 3 41. 0 42. 8 39. 0 33. 9 37. 7 32. 9 39. 5 27. 0 26. 1 28. 3 26. 4 26. 0 22. 8 19. 9 23. 3 22. 5 21. 9 22. 2 24. 3	Per-cent 58. 4 56. 9 60. 3 58. 9 57. 8 56. 5 55. 4 56. 0 55. 1 50. 6 51. 9 48. 5 47. 4 49. 6 47. 4 46. 5 45. 7 46. 1 39. 5 30. 9 31. 0	Per-cent .39 9 37.8 37.8 37.0 0 34.8 33.8 7 35.9 45.8 39.6 7 35.8 34.7 34.1 33.2 9 31.7 34.1 29.9 9 31.7 24.2 29.2 27.5	Per-cent 47. 8 44. 1 44. 6 44. 4 42. 0 41. 7 44. 6 41. 6 50. 5 43. 0 40. 2 38. 4 38. 9 37. 7 35. 2 35. 6 29. 0 28. 4 27. 7 29. 7 29. 7 21. 3 29. 2	Per-cent 58. 6 54. 0 40. 3 48. 6 48. 3 48. 4 45. 1 45. 3 46. 6 40. 1 39. 9 38. 8 5 32. 4 34. 0 34. 1 34. 1 32. 5 32. 5 35. 5	Per- cent 44.6.5 47.6 45.4.5 53.3 53.3 53.3 53.9 54.0 48.1 45.1 45.1 45.4 42.4 42.0 39.6 43.4 42.4 42.7 6 40.1 38.6 39.1 33.1 33.3	Per- cent 50. 44. 8 45. 5 47. 1 45. 5 46. 1 46. 4 43. 4 46. 8 39. 4 41. 7 40. 5 39. 2 40. 6 41. 0 35. 9 34. 8 36. 1 35. 1 28. 5 29. 3 28. 4 27. 8 31. 8 31. 8 29. 3

¹ In production statistics prior to year 1929; strip was not clearly classified, and accurate figures are not available. Apparently, the greater part of strip as defined in recent years was included in "Other finished finished rolled products." For years 1929 to 1938, strip production is included with sheets.

² Electric welded pipe not included.

² Computed from tonnages appearing in annual statistical report of the American Iron and Steel Institute for 1917, p. 67.

The tonnage basis for the percentages of production of steel ingots and castings and for the percentages of production of total finished rolled products is given in the following tabulation. This tabulation compares the tonnage production of the subsidiaries of the United States Steel Corporation of steel ingots and castings and of finished rolled steel products with such production for the industry as a whole for each of the years 1913 to 1938.

Comparison of production of steel ingots and steel for casting, and production of rolled and finished products for the steel industry and for the United States Steel Corporation, 1913-38

Tons			on of steel d castings		of finished el products
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Year	the indus-	States Steel	the indus-	States Steel Corporation
1938.	1914 1915 1916 1917 1918 1918 1919 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1929 1929 1929 1929 1929 1930 1931 1932 1933 1934 1935	31, 300, 874 23, 513, 030 32, 151, 036 42, 773, 680 45, 060, 607 44, 462, 432 42, 132, 934 44, 943, 696 37, 931, 939 45, 383, 524 44, 943, 696 37, 931, 939 45, 383, 524 44, 943, 696 56, 483, 473 56, 685, 289 47, 767, 856 50, 568, 701	16, 565, 661, 11, 826, 476 11, 826, 476 116, 376, 492 20, 910, 589 20, 285, 061 19, 583, 493 17, 200, 373 19, 277, 960 10, 966, 347 16, 082, 385 20, 329, 950 18, 886, 697 22, 306, 668 18, 486, 444 20, 105, 749 21, 868, 816 16, 726, 472 10, 082, 398 4, 929, 236 8, 646, 905 8, 660, 309 11, 130, 942 16, 997, 996 18, 532, 278	24, 791, 243 18, 370, 192 24, 392, 924 32, 380, 389 33, 067, 700 31, 155, 754 32, 347, 863 34, 774, 006 26, 452, 004 33, 277, 076 28, 086, 435 33, 386, 960 32, 879, 031 37, 662, 916 41, 069, 416 41, 069, 416 41, 088 16, 735, 086 18, 999, 506 18, 999, 506 28, 994, 552 33, 801, 379 36, 766, 389	1

Since its organization, United States Steel Corporation has continued to act solely as a holding company and has acquired numerous competing and other concerns of which the more important were Union Steel Co. in 1902, Clairton Steel Co. in 1904, Tennessee Coal, Iron & Railroad Co. in 1907, and Atlas Portland Cement Co. and Columbia Steel Co. in 1930. The company and its subsidiaries constitute a highly integrated unit from ore to finished products.

Through its susbidiaries the company owns vast material resources, including coal, limestone, and high-grade iron ore. It operates railroads, shipyards, and steamship lines. It manufactures all kinds of iron and steel products, including cement, with emphasis on the ordinary open-hearth trade steel for the railroad, construction, and other capital goods industries. It is also engaged in the fabrication of a wide variety of finished products, including bridges, ships, barges, railroad, and oil well equipment. The principal producing center has always been in Pittsburgh, but important plants are also located in Gary, Cleveland, Youngstown, Chicago, Birmingham, San Francisco, and Milwaukee.

Further details concerning the nature of the operations of the company and its subsidiaries appears in the section of the report devoted to the investments, profit, and rates of return for the United States Steel Corporation and subsidiaries.

BETHLEHEM STEEL CORPORATION

Bethlehem Steel Corporation is the second largest steel company in the United States. The first company to bear the name of Bethlehem Steel Corporation was incorporated on December 10, 1904, in New Jersey as successor to United States Ship Building Co. This latter company had been organized in 1902 and owned the capital stock of an old established concern known as Bethlehem Steel Co. and the capital stocks of a number of shipbuilding companies specializing in naval

vessel construction for the United States and foreign governments. Bethlehem Steel Co. specialized in the manufacture of armor plate, gun forgings, and steel

forgings for marine and stationary engines.

Charles M. Schwab, who was one of the organizers of United States Steel Corporation and its first president, promoted the organization of Bethlehem Steel Corporation in 1904. For some years prior to that time he desired to go into the steel business on his own account and the acquisition of the capital stock of Bethlehem Steel Co. in 1901 gave him the opportunity. This led to the organization of United States Shipbuilding Co. a year later and in turn to the organization of Bethlehem Steel Corporation in 1904.

Bethlehem Steel Corporation has since become a thoroughly integrated concern from raw materials to finished products. The company expanded rapidly. New plants were constructed and numerous competing and other concerns were acquired from time to time. In 1908 the company organized Iron Mines Co. for the purpose of acquiring, holding, mining, and operating iron-ore properties. Soon thereafter other companies having iron-ore deposits in Chile and Cuba were acquired. In 1913, the company acquired Fore River Shipbuilding Co., Quincy, Mass., and Titusville Forge Co., Titusville, Pa., which enabled the company to build complete battleships at the Quincy plant. Earlier the company had expanded shipbuilding operations on the Pacific coast through the subsidiary, Union Îron Works Co.

Substantial growth of Bethlehem Steel Corporation occurred during the World War. In 1916 controlling equities in the stocks of Pennsylvania Steel Co. and Baltimore Sheet & Tin Plate Co. were acquired. Pennsylvania Steel Co., or its predecessors, began operations in 1866 and owned important plants, including the Sparrows Point plant, for the manufacture of various types of steel and iron products. It also owned blast furnaces, coke ovens, coal properties, and ore deposits. Pennsylvania Steel Co. controlled Maryland Steel Co. and other impor-

tant subsidiaries.

Late in 1916 and early in 1917 Bethlehem Steel Corporation acquired American Iron & Steel Manufacturing Co., Lackawanna Iron & Steel Co., and Lehigh Coke

For the purpose of consolidating the shipbuilding operations the company formed, in 1917, Bethlehem Shipbuilding Corporation, Ltd., which took over the plants of various shipbuilding companies. About the same time the domestic mining operations were consolidated into the newly formed Bethlehem Mines Corporation.

In July 1919 the capital stocks of Cornwall Railroad Co. and Cornwall Iron Co. were purchased by Bethlehem Steel Corporation. Elkins Coal & Coke Co., in West Virginia, was acquired in 1919 and additional coal lands in West Virginia

were purchased in 1920.

Bethlehem Steel Corporation acquired a number of important companies during 1921, 1922, and 1923. Those acquisitions included Baltimore Dry Docks & Shipbuilding Co., Lackawanna Steel Co., and Midvale Steel & Ordnance Co. and its subsidiary, Cambria Steel Co.

In January 1930 all the plants and business of Pacific Coast Steel Co. and Southern California Iron & Steel Co. were acquired. The fabricating properties of McClintic-Marshall Corporation were purchased in 1931. Also during that year Bethlehem Steel Corporation purchased the fabricating plants and properties of Levering & Garrigues Co., Hay Foundry & Iron Works, Hedden Iron Construction Co., and Kalman Steel Co. In 1932 the property of Seneca Iron & Steel Co. were purchased. The properties and assets of Williamsport Wire Rope Co. were acquired in 1937.

In a program to consolidate subsidiaries in the interests of economies in management and savings in taxes a merger was effected in 1936 of Bethlehem Steel Corporation and three of its subsidiaries with Pacific Coast Steel Corporation. latter company had been incorporated in Delaware in 1919 and at the time of the merger its name was changed to Bethlehem Steel Corporation so that the present company is a Delaware corporation, successor to the New Jersey corporation

of the same name.

The company and its subsidiaries own extensive ore, coal, and limestone resources, together with manufacturing properties, railroads, and fleets of ocean The business includes the manufacture of all kinds of iron, and lake steamers. steel, and related products. It also includes the fabrication and erection of steel for buildings, bridges, and other structures, the construction of railroad cars for passenger and freight transportation, and the building and repairing of naval and commercial vessels. Producing plants are located in Pennsylvania, Mary-

land, New York, Washington, and California. Important steel-fabricating works for the erection of buildings, bridges, and other structures are located in Pennsylvania, New York, New Je sey, Illinois, and California. Shipbuilding and ship repair plants are located at Baltimore and Sparrows Point, Md.; Boston, Quincy, and Braintree, Mass.; and San Francisco, Alemada, and San Pedro, Calif.

Like the Steel Corporation the bulk of Bethlehem's business has always been

in steels for the railroad and building industries.

REPUBLIC STEEL CORPORATION

Republic Steel Corporation is the third largest steel company and had its beginning in 1899 as Republic Iron & Steel Co. In 1930 this company and four other large companies—Central Alloy Steel Corporation, Donner Steel Co., Berger Manufacturing Co., and the Bowine-Fuller Co.—were merged to form Republic Steel Corporation.

The company has had a rapid growth since its organization in 1930, particularly with regard to the acquisition of other companies, among the more important of which were the Corrigan, McKinney Steel Co., Newton Steel Co., and Truscon Steel Co. in 1935, Canton Tin Plate Corporation in 1936, and the Gulf States

Steel Co. in 1937.

The corporation and its subsidiaries are large producers of alloy steels and are among the leaders in capacity for stainless steel production. They manufacture steel pipe by the electric welding process on a large scale and rank high in the production of tin plate, but have little or no capacity in heavier steels, such as rails and structurals. Their largest single customer is the automobile industry. The system is fairly well integrated and owns huge coal and iron reserves, the latter in both the Lake Superior and Birmingham districts. Its principal plants are located in Cleveland, Youngstown, Warren, Niles and Canton, Ohio; Buffalo, N. Y.; Chicago, Ill.; and Birmingham, Ala.

JONES & LAUGHLIN STEEL CORPORATION

Jones & Laughlin Steel Corporation was incorporated in Pennsylvania in December 1922 as successor to Jones & Laughlin Steel Co., which had been incorporated in Pennsylvania in June 1902 as successor to the former partnership of

Jones & Laughlins, Ltd., established in 1850.

The company is the fourth largest steel producer in the country and with its subsidiaries forms an integrated system with works at Pittsburgh and Aliquippa, Pa., coal properties on the upper Monongahela River, and interests in iron ore, steamship, and railroad properties. Although the company manufactures a diversified line of iron and steel products, its major product is pipe, structural, and railway steel. In May 1939 the company announced an important discovery of a method to obtain a uniform quality Bessemer steel with the aid of photoelectric cells.

NATIONAL STEEL CORPORATION

National Steel Corporation was incorporated in Delaware in November 1929 as a holding company. It acquired the capital stocks giving control of Weirton Steel Co., Great Lakes Steel Corporation, and certain subsidiaries of the M. A. Hanna Co., which owned large ore reserves in the Lake Superior district, freighters for the transportation of the ore, and plants for the manufacture of iron and steel.

Weirton Steel Co. had its beginning in 1905 as Phillips Sheet & Tin Plate Co. The company's principal producing plants were located in West Virginia and it specialized in the manufacture of sheet and tin plate products for all purposes. At the time of its acquisition by National it had developed a substantial business

with the automobile industry.

Great Lakes Steel Corporation was incorporated in February 1929 for the purpose of carrying on a steel business in plants to be erected on a tract of land which the company owned in the Detroit industrial area. This program was carried out and this company's properties, together with those of other subsidiaries of National Steel Corporation, constitute the only integrated steel producing unit

in the Detroit area.

The acquisition of these companies and their subsequent growth make National Steel a well-integrated unit, ranking fifth in ingot capacity and about the third largest producer of tin plate. Its plants in the Detroit area produce steel bars, strip, sheets, and related products, while its other main plant at Weirton, W. Va., produces primarily tin plate and "heavy" steel, such as shapes, plates, and structural steel.

YOUNGSTOWN SHEET & TUBE CO.

Youngstown Sheet & Tube Co. was incorporated in 1900 as Youngstown Iron Sheet & Tube Co. The name of the company was changed to the present title on May 5, 1905.

Youngstown Sheet & Tube Co. is about the sixth largest domestic steel producer in terms of ingot capacity. About two-thirds of the capacity is centralized in the Youngstown district of Ohio and the remainder in the Chicago area. The company is well integrated and controls coal, iron ore, and limestone reserves

which are reported to be sufficient to last about 35 years.

The company's operations were expanded considerably in 1923 by the acquisitions of plants and other assets of Brier Hill Steel Co. and Steel & Tube Co. of America. A considerable amount has also been spent on plant improvements and new equipment in the last few years with the expansion of the business into the "light" steel lines, notably sheet and strip steel for the automobile- and house-hold-equipment industries. It is estimated that pipe and conduit make up 31 percent of capacity; sheets and strip, 34 percent; tin plate, 7 percent; plates, 3 percent; merchant bars, light structural shapes, railroad tie plates, and track spikes, 15 percent; wire rods and other wire products, 8 percent; and slabs, billets, skelp, and sheet bars, 2 percent.

INLAND STEEL CO.

Inland Steel Co. was incorporated in Delaware in February 1917 as successor

to an Illinois company of the same name established in 1893.

The company is fully integrated, with operations varying from the production of raw material requirements to the fabrication and distribution of finished products. The principal iron and steel producing properties are located along the southern shore of Lake Michigan at Indiana Harbor, Ind., in the great Chicago-Gary industrial area. The company also owns or controls important iron ore, coal, and limestone properties as well as facilities for the fabrication and distribution of a diversified line of products. It is estimated that approximately 60 percent of the finished steel products capacity is available for the production of so-called light products, such as sheets, strip, tin plate, bars, etc., and 40 percent is available for the production of the so-called heavy products, such as shapes, plates, rails, etc.

In recent years the company has expanded its operations through a program of construction of plant and facilities and the acquisition of the capital stocks giving control of other companies, notably Joseph T. Ryerson & Son, Inc., Chicago, Ill., fabricators and distributors of steel products, and Milcor Steel Co., Milwaukee, Wis., manufacturers and fabricators of miscellaneous building materials

from steel sheets.

AMERICAN ROLLING MILL CO.

American Rolling Mill Co. was incorporated in Ohio in June 1917 to acquire the businesses and assets of American Rolling Mill Co., incorporated in New Jersey, and Columbus Iron & Steel Co. The predecessor American Rolling Mill Co. had been engaged primarily in the manufacture of specialty "Armco" ingot iron sheets and steel sheets and had purchased substantially all of its pig-iron requirements from Columbus Iron & Steel Co., a company producing pig iron only.

quirements from Columbus Iron & Steel Co., a company producing pig iron only.

At present the company specializes in producing high quality steel, iron sheets, and light plates. It has little or no capacity for heavier products such as rails and structurals. Its main outlet is the automobile industry, while other important consumers include jobbers, and the road-construction, refrigerator, and electrical-

equipment industries.

The company's patented continuous rolling process has been licensed on a royalty basis since 1927 to United States Steel, Republic, Youngstown Sheet & Tube, and other domestic and foreign manufacturers. The company is reported to have evolved a method of spirally welding pipe and a new process for enameling iron. It has been active in alloy and stainless steels. Recent developments are said to have included a new kind of galvanized roofing and the perfection of a new type of zinc-coated sheet steel. Fully integrated plants are at Ashland, Ky., on the Ohio waterway, and Middletown, Ohio, near Cincinnati. Finishing mills are located in the Pittsburgh district and at Kansas City.

WHEELING STEEL CORPORATION

Wheeling Steel Corporation was organized in June 1920 to consolidate the properties and businesses of LaBelle Iron Works, founded in 1852; Whitaker-Glessner Co., which had its beginning in 1875; and Wheeling Steel & Iron Co.,

incorporated in 1892.

Wheeling Steel Corporation is one of the smaller but well-integrated units in the steel industry. It owns 14 manufacturing plants along the Ohio River Valley in the States of West Virginia and Ohio; iron ore properties in Minnesota; interests in Great Lakes steamers; coal properties in Pennsylvania, West Virginia, and Ohio; and interests in railroad and river transportation. It is reported that more than 70 percent of the corporation's output in recent years has consisted of sheets, tin plate, and strips. The company's largest customer, the automobile industry, takes from 20 to 25 percent of the total output.

OTIS STEEL CO.

Otis Steel Co. was incorporated in January 1912 in Ohio, and acquired the property and assets of Otis Steel Co., Ltd., an English corporation registered in 1895. The company is engaged chiefly in the production of sheets, plates, and strips. Plants are well located geographically on lake and river frontage at Cleveland, permitting economical transportation of raw materials, and of finished steel to Detroit and other points by water. The company specializes in the manufacture of automobile steel and sells about half of its finished output to the automobile industry. About 17 percent of the company's capacity is in structural and other heavy steels.

PITTSBURGH STEEL CO.

Pittsburgh Steel Co. was incorporated in July 1901 and acquired the Pittsburgh Steel Hoop Co. which had been organized in July 1899. The company and its subsidiaries engage chiefly in the manufacture and sale of pig iron and semi-finished and finished steel products. The most important finished steel products include a wide variety of seamless steel tubes ranging from one-half-inch to 14 inches in diameter, and a diversified line of wire and wire products, including laths, nails, fence and reinforcing material for building construction. Plants are located along the Monongahela River, and the company controls coal and iron ore reserves and through its subsidiaries, operates a railroad and a fleet of barges.

ore reserves and through its subsidiaries, operates a railroad and a fleet of barges. The subsidiaries of this company and of all other companies under review are listed in appendix tables 1 to 11. These tables list the names of the active subsidiaries of each company at December 31, 1937, the nature of the business in which they are engaged, and the percentage of control by the holding company.

COMPARATIVE INVESTMENTS, PROFITS AND RATES OF RETURN FOR THE PRINCIPAL STEEL COMPANIES

SUMMARY OF INVESTMENTS, PROFITS, AND RATES OF RETURN

It has been shown heretofore that the 11 steel companies, for which data are available, represent a substantial portion of the industry. Based upon capacity, the 11 companies and their subsidiaries have 84 percent of the steel-making capacity of the country. Thus it is evident that the operating results for the 11 companies, individually and combined, are significant indices of the trends of the industry.

Rates of return on investment have been computed on three bases, namely, the total investment, the stockholders' investment, and the common stockholders' equity. A summary of the investments, profits, and rates of return on each basis of investment for all 11 companies combined, for the years 1917–38,

is presented in the following table 2.

The total investment includes the outstanding common and preferred stocks and long-term debt, surplus, surplus and contingency reserves, and reserves for Federal income and profits taxes. The stockholders' investment includes all of these elements except long-term debt. The stockholders' equity consists of the outstanding common stocks, surplus, surplus and contingency reserves, and reserves for Federal income and profits taxes. On each basis, the investments were averaged as of the beginning and end of each year, after deducting goodwill, appreciation and other intangibles.

The profits used in computing rates of return are before deductions for Federal income and profits taxes, since such taxes are wholly contingent upon profits and represent a division of the earnings of the business. Subject to this qualification, the profits applicable to the total investment represent the net income from all sources before deducting interest on long-term debt. The profits applicable to the stockholders' investment represent the net income after deducting interest on long-term debt. The profits applicable to the common stockholders' equity were determined by deducting the dividends paid or accrued on the preferred stocks from the income applicable to the stockholders' investment. In order to arrive at the profits applicable to the common stockholders' investment it was necessary to adjust the profits of some of the companies by the amounts of accrued dividends on the preferred stocks which were in arrears. For some of the companies the preferred dividends in arrears extended over several years, especially during the debression years.

Table 2.—Summary of investments, profits, and rates of return on the total investment, stockholders' investment, and common stockholders' equity for the principal steel companies, each year, 1917–38, inclusive

	00 1	Common stock- holders' equity	######################################	7.03
	Rates of return on	Stock- holders' invest- ment	Per 1 1 1 1 8 8	7.02
	Rat	Total invest- ment		6. 59
	le to	Common stock- holders' equity	5889 5880 5880 5880 5880 311, 7720 7720 7720 7720 7720 7720 7720 772	132, 342, 274
o, erectusive	Net profit 2 applicable to	Stockholders' investment	468 2293 2293 227 223 227 223 223 223 223 237 237 23	173, 395, 480
gear, tott	Net	Total invest- ment	363, 8893, 8801, 1171, 1	212, 754, 232
or the princepus seek companies, each gear, 1011 oo, manasee	-	Common stock- holders' equity	785, 4459, 8879, 8879, 8879, 8070, 701, 701, 701, 701, 701, 701, 701,	1, 883, 792, 160
on asses and asses	A verage investment	Stockholders' investment	437, 006, 7779, 309, 7779, 309, 7779, 309, 7789, 309, 375, 329, 375, 329, 329, 329, 329, 329, 329, 329, 329	2, 469, 810, 239
la me b	A	Total investment	213, 707, 5582, 4317, 707, 5582, 4317, 707, 707, 707, 707, 707, 707, 707, 7	3, 226, 998, 366
	Min	ber of com-	0.0000000000000000000000000000000000000	
		Year	1917 1918 1919 1920 1921 1922 1923 1926 1920 1920 1930 1930 1931 1931 1931 1931 1931 193	Average

Average of investments at beginning and end of year for each company.

Net profit before deducting provisions for Federal income and profits taxes.

Denotes loss.

Table 2 shows that during the 22 years, 1917–38, all companies as a group earned an average of 6.59 percent on the total investment, 7.02 percent on the stockholders' investment, and 7.03 precent on the common-stock holders' equity. On each basis of investment returns were highest in 1917 when 31.86 percent was earned on the total investment, 46.17 percent on the stockholders' investment and 63.85 percent on the common-stock holders' equity. Returns were lowest in 1932 when losses were sustained equivalent to 2.96 percent on the total investment, 4.5 percent on the stockholders' investment, and 7.54 percent on the common-stock holders' equity.

The table shows that profits were earned on each basis of investment in all years prior to 1931 and that the high returns earned during the years 1917–20 were not equalled until 1929, although substantial returns were earned during the intervening years. Losses sustained during the depression years and the relatively small profits earned in most of the later years were such that the results of operations were decidedly less favorable than for the period prior to 1931. For example, the average return earned on the total investment for the years 1917–30 was 9.87 percent as compared with 1.68 percent for the years 1931–38. The average return of 6.59 percent for all years on this basis of investment was higher than for any year during the latter period, except in 1937 when 8.16 percent was earned. It will be noted that while the trend in earnings was upward following 1932 there was a sharp reversal in 1938 when only nine-tenths of 1 percent was earned on the total investment.

GOODWILL, APPRECIATION, AND OTHER INTANGIBLES

It has been explained that deductions were made for goodwill, appreciation, and other intangibles in computing rates of return on each basis of investment. The aggregate amounts deducted from investments for each of the years 1917–38 were as follows:

1917	\$580, 098, 176	1928	\$413, 986, 724
1918	575, 988, 166	1929	325, 520, 837
1919	567, 655, 407	1930	324, 723, 807
1920	559, 637, 619	1931	324, 601, 493
1921	556, 303, 836	1932	324, 672, 006
1922	547, 904, 451	1933	324, 122, 565
1923	541, 972, 811	1934	324, 018, 073
1924	532, 598, 775	1935	298, 860, 813
1925	521, 914, 295	1936	277, 988, 471
1926	466, 634, 633	1937	268, 565, 845
1927	456, 048, 066	1938	18, 337, 800

On the average about 85 percent of the amounts shown above pertain to United States Steel Corporation. The bulk of the remainder was deducted from the investments of Bethlehem Steel Corporation and Republic Steel Corporation. The minimum amounts of intangibles applicable to these companies were \$14,083,793 for Bethlehem and \$32,996,728 for Republic.

The amounts of appreciation deducted from the investments of the Steel Corporation ranged from \$522,609,129 in 1917 down to \$249,583,149 in 1937. In 1938 the company wrote off all but \$1 of the latter amount. It has been explained that the Bureau of Corporations found that the actual value of the tangible properties of the steel corporation at the time of its formation in 1901 was not more than \$700,000,000, or about one-half of its capitalization. Further details concerning the appreciation in the company's accounts appear in the section of this report devoted to the investments, profits and rates of return of United States Steel Corporation and subsidiaries.

Comparison of Average Annual Investments, Profits, and Rates of Return for Individual Companies

Table 2 summarized the investments, profits, and rates of return for all 11 companies, combined, for each of the years 1917-38 on the basis of the total investment, the stockholders' investment and the common stockholders' equity. Table 3, immediately following, compares the average annual investment, profits and rates of return for each company and compares the returns earned by each company in relation to the average return for the period under review for all companies combined.

Table 3.—Comparative average annual investments, profits, and rates of return for the period 1917–38, for the principal steel companies

	Average	annualinvestm	ent
Companies	Totalinvest- ment	Stockholders' investment	Common stock holders' equity
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Republic Steel Corporation Youngstown Sheet & Tube Co. National Steel Corporation Inland Steel Co American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co 3 Pittsburgh Steel Co.	148, 335, 836 182, 959, 802 165, 650, 756 144, 350, 340 80, 407, 561 61, 995, 249 84, 723, 458	\$1, 388, 291, 953 369, 365, 951 107, 949, 709 165, 448, 278 112, 131, 517 102, 956, 812 59, 522, 984 45, 121, 565 63, 618, 249 20, 906, 075 34, 497, 146	\$1, 028, 010, 85; 291, 686, 02 72, 628, 39 124, 516, 91; 98, 797, 94; 102, 956, 81; 57, 250, 25; 37, 170, 67; 35, 967, 17; 10, 799, 87; 24, 007, 24
Combined	3, 226, 998, 366	2, 469, 810, 239	1, 883, 792, 16
	Average a	nnual profit 1 ap	plicable to .
Companies	Total invest- ment	Stockholders' investment	Common stock holders' equity
United States Steel Corporation	\$129, 020, 924 23, 947, 750	\$110, 663, 394 15, 099, 429	\$85, 443, 71 9, 595, 77
Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation Youngstown Sheet & Tube Co. National Steel Corporation ² Inland Steel Co American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co. ³ Pittsburgh Steel Co.	5, 700, 718 11, 039, 140 10, 688, 035 11, 782, 262 8, 187, 736 4, 045, 371 5, 161, 605	3, 387, 167 10, 168, 753 7, 905, 486 9, 735, 132 7, 124, 658 3, 111, 614 3, 945, 083 635, 874 1, 618, 890	1, 144, 77 7, 212, 94 7, 076, 26 9, 735, 12 6, 965, 56 2, 665, 66 1, 698, 98 4 80, 98 884, 42

,,,,,	110,000,100				
	Average an	nual rate of i	eturn on—		
Companies	Total in- ment	Stock- holders' invest- ment	Common stock- holders' equity		
United States Steel Corporation Bethlehem Steel Corporation. Republic Steel Corporation. Jones & Laughlin Steel Corporation. Youngstown Sheet & Tube Co. National Steel Corporation * Inland Steel Co. American Rolling Mill Co. Wheeling Steel Corporation. Otis Steel Co.* Pittsburgh Steel Co. Pittsburgh Steel Co.	4, 53 3, 84 6, 03 6, 45 8, 17 10, 18 6, 53 6, 09 4, 18 4, 92	Percent 7. 97 4. 09 3. 14 6. 15 7. 05 9. 46 11. 97 6. 90 6. 20 3. 04 4. 69	Percent 8. 31 3. 29 1. 58 5. 79 7. 16 9. 46 12. 17 7. 17 4. 72 4. 05 3. 68		
Combined	6. 59	7. 02	7. 03		

Net profit before deducting Federal income and profits taxes.
 Annual average for period from 1930 to 1938, inclusive.
 Annual average for period from 1919 to 1938, inclusive.

Table 3 shows that for all 11 companies the average annual return for the year 1917-38 was 6.59 percent of the total investment, 7.02 percent on the stockholders' investment, and 7.03 percent on the common stockholders' equity. The returns for only 3 of the 11 companies exceeded these averages, namely those for United States Steel Corporation, National Steel Corporation and Inland Steel Co.

⁴ Denotes loss.

It will be noted that Inland Steel Co. was the most profitable. Its average earnings were equivalent to 10.18 percent on the total investment, 11.97 percent on stockholders' investment, and 12.17 percent on the common stockholders' equity. National Steel Co. was next with average returns of 8.17 percent on the total investment and 9.46 percent on each of the other two bases of investment. Throughout the period, United States Steel Corporation's earnings averaged 7.33 percent on the total investment, 7.97 percent on the stockholders' investment and 8.31 percent on the common stockholders' equity.

Except for the Steel Corporation, the returns earned by the larger companies were less favorable on the whole than for the smaller companies. Republic Steel Corporation, the third largest company in the industry earned on average return of 3.84 percent on its total investment, which was the lowest return for any of the companies shown on the table. Bethlehem Steel Corporation, the second largest company, earned an average return of 4.53 percent on its total investment, and was the next smallest return, except for Otis Steel Corporation, the smallest company shown in the table. This company earned an average return of 4.18 percent on its total investment.

It will be noted that on the average, the investments of United States Steel Corporation are far in excess of those for any of the other companies. Its total investment amounts to 55 percent of the total for all companies shown in the table and is 3½ times larger than that of Bethlehem Steel Corporation, the next largest

company.

Table 4, which follows, compares the total investments of each company in 1938 with their respective investments in 1917, or the earliest subsequent year for which the information was available, and indicates the source of invested capital for each company in the respective years.

Table 4.—Sources of invested capital of the principal steel companies in 1917 and 1938

	United States Steel Corpo- ration	Bethlehem Steel Cor- poration	Republic Steel Cor- poration	Jones & Laughlin Steel Cor- poration
Average total investment, 1917	\$1,603,088,695	\$227, 819, 516	\$65, 041, 857	\$141, 507, 560
RATIOS TO TOTAL INVESTMENT				
Preferred stock	Percent 31, 71	Percent 13.07	Percent 38, 44	Percent
Common stock	22. 47	16.31	41. 80	20, 50
Common stock	39. 60	32.64	45.73	63. 78
Total capital stock and surplus	93, 78	62,02	125, 97	84. 28
Less intangibles	32.83	6.18	50.72	
Stockholders' investment		55.84	75. 25	84. 28
Minority equities in subsidiaries Long-term debt, less discount, etc	39.05	44. 16	24, 75	15. 72
Bong-term debt, less discount, etc	39.03	44.10	24. 13	10.72
A verage total investment, 1917	100.00	100.00	. 100.00	100.00
Average total investment, 1938	\$1, 557, 164, 621	\$655, 782, 528	\$322, 329, 168	\$207, 196, 670
RATIOS TO TOTAL INVESTMENT				
Preferred stock	Percent 48, 91	Percent 17.09	. Percent 12, 47	Percent
Common stock	23, 14	46, 13	40. 10	28. 34 27. 81
Surplus, including reserves.		11. 12		24. 26
Total capital stock and surplus	96, 32	74, 34	72, 58	80, 41
Less intangibles	8.02			
Stockholders' investment		74. 34	72. 58	80.41
Minority equities in subsidiaries		. 02	.06	. 23
Long-term debt, less discounts, etc	11. 70	25, 64	27. 36	19. 36
Average total investment, 1938	100.00	100.00	_100.00	100.00

Table 4.—Sources of invested capital of the principal steel companies in 1917 and 1938—Continued

1330—						
·	Youngstown Sheet & Tube Co.	National Steel Cor- poration	Inland Steel Co.	American Rolling Mill Co.		
Average total investment, 1917	\$70, 033, 685	1 \$104,249, 526	\$41, 805, 773	\$13, 943, 619		
RATIOS TO TOTAL INVESTMENT	Percent	Percent	Percent '	Percent		
Preferred stock Common stock Surplus, including reserves	14. 21 26. 11 59. 95	50, 61 45, 35	41. 85 44. 24	5.74 52.78 37.08		
Total capital stock and surplusLess intangibles	100. 27 . 44	95. 96 5. 83	86.09	95. 60 8. 49		
Stockholders' investment	99. 83	90. 13	86.09	87. 11		
Minority equities in subsidiaries Long-term debt, less discount, etc	.17	. 26 9. 61	13. 91	12. 89		
Average total investment, 1917	1 100.00	100.00	100,00			
Average total investment, 1938	\$179,009,187	\$147, 494, 335	\$123, 510, 197			
RATIOS TO TOTAL INVESTMENT				•		
Preferred stock	Percent 7.04	Percent	Percent	Percent 36. 44		
Common stock Surplus, including reserves	49. 23 10. 42	30. 49 39. 46	38. 91 25. 87	58. 08 10. 08		
Total capital stock and surplus Less intangibles	66.69	69. 95 3. 39	64.78	104. 60 6. 70		
Stockholders' investment	66. 56 . 02	66.56	64.78	97. 90		
Long-term debt, less discounts, etc.	33. 42	33. 44	35, 22	.01 2.09		
Average total investment, 1938	100.00	100.00	100.00	100.00		
		<u> </u>	<u> </u>			
		Wheeling Steel Cor- poration	Otis Steel Co.	Pittsburgh Steel Co.		
A verage total investment, 1917		\$24, 356, 275	2 \$12,585, 213	\$26, 110, 535		
RATIOS TO TOTAL INVESTMENT		Percent	Percent	Percent		
Preferred stock		40. 71 40. 71	28. 62 27. 26	40. 21 26. 81		
Surplus, including reserves		41.81	43.46	31. 34		
Total capital stock and surplus Less intangibles		123, 23 35, 13		98. 36 2. 93		
Stockholders' investment Minority equities in subsidiaries		88. 10	99. 34	95. 43		
Long-term debt less discount, etc.		11. 90	. 66	4. 57		
Average total investment, 1917	÷	100.00	2 100.00	100.00		
A verage total investment, 1938		\$105, 501, 517	\$34, 813, 722	\$37, 258, 963		
BATIOS TO TOTAL INVESTMENT		Demand	Denser	D		
Preferred stock		Percent 36.09	Percent 30.14	Percent 31.04		
Common stock Surplus, including reserves		26. 75 10. 70		9. 72 44. 67		
Total capital stock and surplus Less intangibles		73, 54	61. 44	85. 43 . 31		
Stockholders' investment	•	69. 82	61. 44	85. 12		
Minority equities in subsidiaries Long-term debt, less discounts, etc		30.18	38. 56	14. 88		
Average total investment, 1938		100,00	100,00	100, 00		

Data are for year 1930, the first year for which data are available. Data are for year 1919, the first year for which data are available.

Table 4 shows that there were marked increases in the total investments of all companies, except United States Steel Corporation, since 1917, or the earliest subsequent year for which the information appears. The steel corporations' average investment in 1938 of \$1,557,164,621, it will be noted, was slightly less than in 1917. On the other hand, the average total investment of \$655,782,582 for Bethlehem Steel Corporation in 1938 was almost three times the investment in 1917. Most of the other companies also indicate considerable growth since 1917.

The table also shows the marked shifts in the sources of invested capital of the different companies between 1938 and the earlier years. In 1938, the ratio of the stockholders' investment to total capitalization, excluding intangibles, was greater than in 1917 for United States Steel Corporation, Bethlehem Steel Corporation, and American Rolling Mill Co. On the other hand, the proportions of the stockholders' investments in the other eight companies was much less in most cases in 1938 than for the earlier years. In other words, the three companies mentioned relied less on long-term debt as a source of capital funds in 1938 as compared with 1917, while for the other eight companies the shift was in the other direction.

In 1938, the stockholders' investment, exclusive of intangibles, comprised 88 percent of the capitalization of United States Steel Corporation as compared with 61 percent of the total in 1917. For Bethlehem Steel Corporation, the stockholders' investment was 74 percent of its total investment in 1938 as compared with 56 percent in 1917, and for American Rolling Mill Company, the stockholders' investment in 1938 was 98 percent of its capitalization as compared with

87 percent in 1917.

Comparative Annual Rates of Return for Individual Companies

A comparison of the average annual investments, profits, and rates of return for the period 1917-38 for individual companies was provided by table 3. Such information is presented in detail for each year during the period under review for each company, except United States Steel Corporation, in appendix tables The information for the Steel Corporation is presented in the section of the report devoted to the investments, profits, and rates of return for that company and its subsidiaries.

The annual rates of return for the individual companies on the basis of the total investment, stockholders' investment, and common stockholders' equity appear in the following tables 5, 6, and 7. These tables also show the annual return for all companies combined, the averages of the annual returns for the individual com-

panies, and the average of the annual return for all of the companies combined.

The tables show that for all 11 companies combined, the average annual return was 6.59 percent on the total investment, 7.02 percent on the stockholders' investment, and 7.04 percent on the common stockholders' equity. It has already been pointed out that the returns for only 3 of the 11 companies exceeded these averages, namely those for United States Steel Corporation, National Steel Corpora-

tion, and Inland Steel Co.

For all companies the most profitable years were 1917 and 1918. The next most profitable years for most companies were 1920, 1929, and 1937. A number of the companies lost money in 1938 and the earnings of the others were only moderate. Losses during the depression years and small earnings during most of the subsequent years were such that the operating results since 1930 were on the whole very much less favorable than for the prior years shown in the tables. For example, on the basis of total investment, the average of the annual return for all companies was 9.87 percent during the years 1917-30 and only 1.68 percent for the years 1931-38.

Table 5.—Rates of return on total investment for the principal steel companies, 1917-38

Percent 21.86 21.86 21.86 21.86 21.86 21.86 21.86 21.86 21.87.77 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.87 21.8
Percent 25,590 25,490 2
Percent 8.68 (8.87
Perconstruction of the property of the propert
Percent 88 88 89 89 89 89 89 89 89 89 89 89 89
Percent
Percent 9.88 5.88 2.88 2.88 2.88 110.88 115.48 15.98 115.88 17
Percent 55.50 50 50 50 50 50 50 50 50 50 50 50 50 5
Parcent
Percent - 4004 -
Percent 20.08
Proceed 24, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28
917 918 919 919 920 922 924 925 926 926 927 928 928 938 938 938 938 938 938 938 93

1 Data are not available prior to 1930. 2 Data are not available prior to 1919. 3 Rate of return for 18 months; on a mathematical ratio it would be 13.26 percent for 12 months. 4 Denotes loss.

Table 6.—Rates of return on stockholders' investment for the principal steel companies, 1917-38

Combined	Percent 45-17 25-1
Pittsburgh Steel Co.	Percent 88.87
Otis Steel Co.1	Percent 28 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Wheeling Steel Corporation	Percent 60.08 29.51 1.2 29.51 1.2 29.52 1.2 29
American Rolling Mill Co.	Percent 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Inland Steel Co.	Percent 60.05 60.0
National Steel Cor- poration 1	Do 07 1.886 1.888 1.1.886 2.1.89 1.898 1.1.898
Youngs- town Sheet & Tube Co.	Percent 65.00 65.00
Jones & Laughlin Steel Cor- poration	Percent 880 06 14 883 06 06 15 16 16 16 16 16 16 16 16 16 16 16 16 16
Republic Steel Cor- poration	Percent 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Bethlehem Steel Cor- poration	78684 882838 882838 882838 882834 7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
United States Steel Cor-	Percent 4.58 3.468
Year	1917 1918 1918 1920 1920 1922 1923 1924 1924 1925 1929 1929 1930 1931 1931 1935 1936 1937 1938 1938 1938 1938

1 Data are not available prior to 1930.

3 Date are not available prior to 1919.

3 Rate of return for 18 months; on a mathematical ratio it would be 13.33 percent for 12 months.

4 Denotes loss.

Table 7.—Rates of return on common stockholders' equity for the principal steel companies, 1917-38

Combined	Percent 63.88 63.8
Pittsburgh Steel Co.	Percent 20.138 21.138 22.238 24.738 25.64 26.831 26.831 27.74 27.74 27.74 27.74 28.83 29.83 20.83 2
Otis Steel	Percent (56.28) (56.38) (56.38) (56.38) (56.24
Wheeling Steel Corpo- ration	Percent 104.23
American Rolling Mill Co.	Percent 8388888888888888888888888888888888888
Inland Steel Co.	Percent 60 05 05 05 05 05 05 05 05 05 05 05 05 05
National Steel Corpo- ration 1	Percent 10.07 5.02 1.86 3.40 1.7.51 1.7.51 1.4.94 21.86 6.96 6.96 6.96
Youngs- town Sheet & Tube Co.	Percent 1928 1
Jones & Laughlin Steel Corpo- ration	Percent 39.06 39.06 39.06 14.88 39.06 20.08 20.0
Republic Steel Corpo- ration	Percent 100.13 33.45 33.
Bethlehem Steel Corpo- ration	Percent 3858
United States Steel Corpo-	Percent 71:28
Year	1917 1918 1918 1919 1920 1921 1922 1923 1924 1925 1927 1928 1931 1931 1935 1938 1938 1938 1938 1938 1938 1938 1938

1 Data are not available prior to 1930. 1 Data are not available prior to 1919. 1 Mate of return for 18 months; on a mathematical ratio it would be 13.90 percent for 12 months. 4 Denotes loss.

COMPARISON OF SALES AND OPERATING RESULTS

Significant statistics on sales, ratios of costs to sales and distribution of profits will be presented to further describe the operations of the steel companies. Heretofore, the trends of net profits were expressed in rates of return on the total investment, stockholders' investment, and common stockholders' equity.

Table 8, immediately following, summarizes the net sales, net income, dividend payments, and net charge on surplus for each of the 11 companies and their subsidiaries. The upper part of the table gives the total for each item for all years for which the information was avilable during the period 1917-38. The lower part of the table presents for each company the annual averages of their net sales, net income, dividend payments, and net income remaining after dividend payments. It should be noted that Federal income and profits taxes have been deducted in arriving at the net income shown on the table so that these amounts of net income differ from those used in computing rates of return by the amounts of such taxes.

The information in this table, together with the information in the succeeding tables of operating statistics, are based on the details appearing in appendixes 12 to 21 and 12-A to 21-A, which summarize for each company except United States Steel Corporation the investments, and costs and profits for each year during the period under review. Such information for the Steel Corporation appears in the section of the report dealing with the investments, profits, and

rates of return for that company and its subsidiaries.

Table 8.—Summary of net sales, net income, dividends and net changes in surplus for all years within the period 1917-38, and annual averages thereof, for the principal steel companies

		in surplus during period	028, 711 \$108, 941, 900 955, 110 \$108, 941, 900 955, 110 \$4, 567, 000 90, 475, 931 90, 40, 476, 931 90, 40, 476, 931 90, 476, 476, 476, 476, 476, 476, 476, 476	
1		Other net deductions	ವಹುದೆಯಕ್ರೆಯಕ್ರೆಯ ಪ್ರಕ್ರಿಯೆ	
	Natineama	after dividends	2942, 666, 811 4, 6,60 Cite 60, 562, 210 86, 163, 414 134, 614 134, 614 134, 614 134, 614 135, 614 136, 614 136	
		Total dividends	23, 371, 442 23, 371, 448 50, 488, 568 82, 286, 822 83, 436, 528 61, 616, 568 61, 616, 568 64, 807, 798 64, 807, 798 64, 807, 798 64, 807, 798 65, 801, 718 68, 808, 718 718, 808, 718 718	The second secon
	Dividends paid on—	Common stock in stock	203, 321, 000 30, 000, 000 1, 503, 400 16, 113, 376 29, 687, 389 10, 500, 000 10, 500, 000 1385, 636 11, 385, 636 11, 385, 636 11, 385, 636	The same of the sa
	Dividend	Common stock in cash	\$669, 817, 548, 101, 866, 817, 548, 101, 866, 632, 817, 648, 007, 008, 008, 008, 008, 008, 008, 00	
		Preferred stock in cash	\$554, 832, 894 101, 466, 578 44, 519, 728 44, 519, 728 16, 243, 662 366, 396 97, 764, 118 6, 97, 764, 118 11, 526, 904 25, 219, 677 26, 528 11, 118 26, 628 11, 128 11, 528 11, 528 12, 528 11, 528 11	
	Net income 1		2.5.0 0.05 2.7.5 2.0 0.05 1.6.5 0.0 0.0 1.6.5 0.0 0.0 1.5.5 0.0 0.0 0.0 1.5.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
	Net sales		(26, 136, 166, 672, 876, 168, 166, 672, 83, 83, 83, 82, 83, 83, 83, 83, 83, 83, 83, 83, 83, 83	Control of the land of the lan
		Companies	United States Steel Corporation Bethlehem Steel Corporation Benblic Steel Corporation Jones & Laughin Steel Corporation Jones & Laughin Steel Corporation Jones & Laughin Steel Corporation Librard Steel Corporation American Rolling Mill Co. Withering Steel Corporation Other Steel Co. Pittsburgh Steel Corporation Other Steel Co. Naviral. FIENADE FIR FERIOR United States Steel Corporation Steel Corporation Republic Steel Corporation American Rolling Mill Co. National Steel Corporation Jones & Laughlin Steel Corporation Jones & Laughlin Steel Corporation American Rolling Mill Co. National Steel Corporation Other Steel Corporation Jones & Reel Co. National Steel Corporation Other Steel Corporation Pittsburgh Steel Co.	

Net income after deducting Pederal income and profits taxes.

Decrease in snrights

Data are for a 734-year pertof from "race 30, 1916, to Dec. 31, 1938,

Net losses after dividends

Other are suddividends

Other are suddividend from 1830 to 1938, inclusive.

Data are for the period from 1830 to 1838, inclusive.

Data are for the period from 1870 to 1836, inclusive.

Net sales one "race" or receive from 1870 to 1835, inclusive.

Several of the steel companies paid dividends in excess of net income but not in excess of the net income and other additions to surplus during the entire period under review. For example, table 8 shows that Republic Steel Corporation had total net income of \$45,842,492 and distributed cash dividends amounting to \$50,448,550, but other additions to surplus amounted to \$45,081,089, so that the net increase in the surplus account during the period was \$40,475,031. Other companies whose aggregate cash and stock dividends exceeded net income were American Rolling Mill Co., Wheeling Steel Corporation, Otis Steel Co., and Pittsburgh Steel Co. Four of the steel companies had smaller balances in their surplus at the end of 1938 than at the beginning of 1917. However, for two of these companies, namely, United States Steel Corporation and Bethlehem Steel Corporation, the decreases in surplus were not equal to the amounts transferred from surplus to capital stock through the issuance of stock dividends.

surplus to capital stock through the issuance of stock dividends.

It will be noted that United States Steel Corporation is also dominant with regard to volume of business. During the 22 years, 1917–38, its total sales exceeded 26 billions of dollars, which was five times the total for the next largest company, Bethlehem Steel Corporation. During the period the Steel Corporation's net income amounted to \$1,670,058,253; and it paid dividends of \$1,427,971,442, of which it paid cash dividends on preferred stock of \$554,832,894, cash dividends on the common stock of \$669,817,548, and stock dividends on the

common stock of \$203,321,000.

The following table 9, gives the annual sales of each of the 11 companies and their subsidiaries during the years 1917-38, together with the combined sales of all companies on each year and the average of the annual sales for each company. The average of the annual sales ranged from \$1,188,007,575 for United States Steel Corporation to \$21,712,069 for Otis Steel Co.

The Steel Corporations' sales in 1917 amounted to 70 percent of the combined

The Steel Corporations' sales in 1917 amounted to 70 percent of the combined sales of the nine companies including that company for which the information was available for that year. By 1938, however, its proportion of the combined sales

for the nine identical companies had declined to 49 percent.

The comparative profits of each of the 11 companies in relation to investments have been indicated. The relation of profits to sales is indicated in table 10, which follows. This table gives a comparison of the ratios of costs, expenses, and profits to net sales, expressed in cents per dollar of net sales, for each of the 11 companies for each of the years 1936, 1937, and 1938, and for the entire period 1917–38.

Table 9.—Consolidated net sales by the principal steel companies, 1917-38

L	p l	2889 8899 8899 8899 881 881 111 111 111 1
Ì	Combined	888 888 888 888
	Com	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
1		
	Pittsburgh Steel Co.	066, 083 930, 842 483, 1072 483, 1072 978, 788 966, 960 863, 189 964, 524 969, 524 9
	itts	56. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12
1	1	\$3329 6987 6987 6987 6989 6989 6989 6989 698
	Otis Steel Co.3	286,5 166,6
	Ottis	6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
-	85.0	268 887 771 771 771 771 771 771 771 771 77
	eelin 1 Cc ation	656,666,666,666,666,666,666,666,666,666
	Wheeling Steel Cor- poration	\$31,181,181,181,181,181,181,181,181,181,1
-		796 776 776 776 776 776 776 776 776 776
	American Rolling Mill Co.	791,77 791,77
	Ling Co	25.24 25.24 26.25 27
-	Ro	1,1
	o.	981 7725 7725 7725 870 874 874 872 873 873 873 873 874 875 876 877 877 877 877 877 877 877
	Inland Steel Co.	8 23.9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	Ste	\$2.50 \text{3.50}
-	ıal or-	203 149
	National Steel Cor- poration 2	500,
1		\$64, 43, 1123, 1145, 1103, 1145, 1153, 1145, 1153, 115
	Youngstown Sheet & Tube Co.	169 169 169 169 169 169 169 169
١	ngst leet be C	8894, 8894, 8894, 877, 877, 877, 877, 877, 877, 877, 87
	rom Sh Tu	8.96, 8.96, 9.96,
ŀ		\$257 \$400 \$441 \$441 \$441 \$440 \$450 \$400 \$400 \$400 \$400 \$400 \$400
	es & lighli Co	8810, 9923, 9923, 9930, 9931,
	Jones & Laughlin Steel Cor- poration	112.83 110.33 10.33 10
-		44461 33450 3450 3461
	Republic Steel Cor- poration 1	325, 4 222, 5 222, 5 222, 5 222, 5 222, 5 232, 5 242, 5 250, 0 250, 0
	Repi teel oorst	878 758 758 765 765 765 765 765 765 765 765 765 765
	Oor- ion	929, 531 410, 809 641, 206 641, 206 841, 236 866, 111 866, 113 866, 113 805, 35 805, 35 807, 26 807, 26 807, 26 807, 207 807, 207 807, 207 807, 207 807, 488 807, 488
	Bethleher Steel Cor- poration	286, 59 446, 64 446, 64 446, 64 446, 64 46,
		μ _γ μ _γ
	d States Corpor- tion	355, 646 325, 195 377, 627 377, 627 377, 627 568, 659 378, 379 378, 379 378, 399 378, 399 378
	ted St el Cor atlon	
	United Steel C	\$1,706 1,748 1,748 1,748 1,748 1,100
		1 03
		otals
	Year	Totals.
	¥	Tot
		9017 918 919 921 922 923 924 925 925 926 927 928 937 933 933 934 935 937 938 938 938 938 938 938 938 938
		•

Data are not available for 1928-31, inclusive; figures for 1917-27, inclusive, are reported by company as "Volume of Business."
 Data are not available prior to 1919.
 Data are not available prior to 1919.
 Net sales during an 18 months' period from June 30, 1918, to Dec. 31, 1920; total for 22½ years.

TABLE 10.—Ratios of costs, expenses, and profits 1 to net sales, expressed in cents per dollar of net sales, for the principal steel companies for 1936, 1917—38

	United States Steel Corpora-	Bethlehem Steel Corpora-	Republic Steel Corporation	Jones & Laughlin Steel Corporation	Youngstown Sheet & Tube Co.	National Steel Corporation
Net sales	\$1, 099, 931, 336	\$287, 107, 706	\$218, 317, 399	\$94, 409, 455	\$127, 674, 516	\$123, 074, 149
RATIOS TO NET SALES Clost of goods sold, except items below Distribution and admissrative expenses	Cents 80.90 8.16 5.05	Cents 79. 83 6. 90 5. 59	Cents 80.90 6.04 4.64	Cents 80, 15 8, 22 6, 77	Cents 79.92 4.46 5.36	Cents 78.30 4.05 3.94
Tionision for depreciation and depreciation	94.11	92.32	91.58	95.14	89.74	86. 29
Total Operations Net income from operations	5.89	7.68	8.42	4.86	10.26 1.28	13, 71
Other movement and profit 1	90.9	8.03	8. 29	5.88	11.54	14.74
Lotal use prome 1937 Net sales	\$1, 395, 549, 630	\$417, 538, 024		\$117, 475, 523	\$144, 288, 797	\$145, 933, 348
RATIOS TO NET SALES Cost of goods sold, except items below Distribution and administrative expenses	Cents 78. 73 8. 00 4. 27	Cents 79. 14 6. 48 3. 87	Cents 82.88 6.08 4.30	Cents 79.87 8.85 6.23	Cents 77.96 4.73 4.81	Cents 75.59 3.94 3.61
FTOVISION 10f uepreciation and ueprecion.	91.00	89.49		94.95	87.50	83.14
Total operations. Net income from operations.	9.00	10.51	6.74	5.05	12.50	16.86
Conet income (nev)	9. 29	10.66	7.13	5.97	11.77	17.83
Net sales.	\$766, 673, 753	\$265, 405, 540	\$140, 879, 763			\$89, 503, 232
RATIOS TO NET SALES Cost of goods sold, except items below Distribution and administrative expenses. Provision for Abraciation and Administrative	Cents 81. 20 12. 66 6. 42	Cents 84. 27 5. 16 6. 22	Cents 86.07 9.34 7.73	Cents 84, 48 13, 74 7.92	Cents 81.50 7.64 7.83	Cents 76.34 5.85 6.13
Total onersting expenses	100.28	95. 65	103.14	106.14	96.97	88.32
Con factoring of table						

See footnotes at end of table.

Table 10.—Ratios of costs, expenses, and profits to net sakes, expressed in cents per dollar of net sakes, for the principal steel companies for 1936, 15 and 1838 and for the period 1917-38—Continued

	United States Steel Corpora- tion	Bethlehem Steel Corpora- tion	Republic Steel Corporation	Jones & Laughlin Steel Corporation	Youngstown Sheet & Tube Co.	National Steel Corporation
RATIOS TO NET SALES—continued Net income from operations Other income (act)	Cents .28 .73	Cents 4, 35	Cents 2 3, 14 . 96	Cents 2 6, 14 1, 21	Cents 3.03	Cents 11. 68
Total net profit 1	.45	4.87	22.18	2 4. 93	3.36	11.97
Period 1917-38, Inclusive	\$26, 136, 166, 672	\$5, 581, 283, 309	3 \$970, 046, 152	\$2, 010, 480, 461	\$2, 181, 358, 232	4 \$769, 501, 824
RATIOS TO NET SALES Cost of goods sold, except items below Distribution and administrative expenses Provision for depredation and depletion.	Cents 79.79 6.28 4.35	Cents 80. 59 5. 37 5. 52	Cents 83.17 7.05 6.49	Cents 77. 36 7. 11 5. 65	Cents 80.40 2.78 6.20	Cents 77.90 4.60 4.56
Total operating expenses.	90.45	91.48			89.38	87.06
Net, income from operations ther income (net)	9.58	8.52	3.29	9.88	10.62	12.94
Total net profit 1.	10.86	9.41	3 3. 27	12.08	10.78	4 13.79
		Inland Steel	American Rolling Mill Co.	Wheeling Steel Corporation	Otis Steel Co.	Pittsburgh Steel Co.
1936 Net bales.		\$98, 903, 896	\$101, 463, 383	\$80, 598, 525	\$28, 875, 577	\$21, 352, 326
RATIOS TO NET SALES Cost of goods sold, except items below Distribution and administrative expenses Provision for depreciation and depletion		Cents 71. 63 6. 39 5. 18	Ceuts 81. 42 8. 27 2. 88	Cents 79, 79 7, 27 6, 14	Cents 81.41 3.07 3.53	Cents 85.81 8.14 5.96
Total operating expenses	1	83.20	92. 57	93. 20		99, 91
Net income from operations Other income (net).		16.80	7.43	6.80	11.99	. 09
Tota! net profit '	1	16.99	9.47	7.75	12. 12	96.
Total net pront !	7 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.98	7 F 'A	(, 13	16.	2

\$35, 359, 261	Cents 84. 50 6.34 3.72	94. 56	5. 44	5.88	\$23, 677, 318	Cents 34.61 9.31 5 97	68.86	7887	88.	\$561, 201, 400	Cents 80.93 7.02 7.02 5.18	93.13	6.87	7.58
\$31, 989, 204	Cents 82, 30 3, 07 .326	88. 63	11.37	11. 23	\$13, 718, 500	Cents 90.82 4.96 7.88	103.66	2,41	1 4.07	\$ \$434, 241, 375	Cents 86. 42 3. 10 3. 57	93.09	2 1.20	\$ 5.71
\$90, 455, 380	Cents 80.98 6.98 6.08	94.04	5.96	6.82	\$62, 420, 280	Cents 81.76 9.70 6.14	97.60	2.40	3.36	\$1, 319, 260, 478	Cents 79.98 6.77 5.71	92.46	7.54	8.61
\$114, 857, 600	Cents 79.60 8.82 2.93	91.35	8.65	9.26	\$70, 441, 606	Cents 83.70 12.85 4.99	101.54	2 1. 54 . 49	2 1.05	\$1,033,570,281	Cents 50, 73 8, 32 3, 75	92.80	7.20	8.81
\$110, 744, 337	Cents 72.07 7.03	83.81	16.19	16.40	\$74,058,924	Cenis 73.93 9.10 6.48	89. 51	10.49	10.68	\$1, 169, 859, 870	Cents 75.63 4.27 5.51	85.41	14.59	15.40
Net sales.	RATIOS TO NET BALE Cost of goods sold, except items below. Distribution and administrative expenses. Provision for depreciation and depletion.	Total operating expenses.	Net income from operations. Other income (net)	Total net profit i	Net sales	RANIOS TO NET SALES Cost of goods sold, except items below. Distribution and administrative expenses. Pryvision for depresation and depletion.	Total operating expenses	Net income from operations. Other income (net).	Total net profit :	Period 1917-38, Inclusive	RATIOS TO NET SALES Cost of goods sold, except items below. Distribution and administrative expenses Provision for depreciation and depletion.	Total operating expenses	Net income from operations Other income (net)	Total net profit 1.

1 Net profit before interest on long-term debt, and before deductions for Federal income and profit taxes.
 2 Denotes loss.
 3 Data applies to period from 1932 to 1938, inclusive.
 4 Data applies to period from 1930 to 1938, inclusive.
 3 Data applies to period from 1919 to 1938, inclusive.

Table 10 shows that in the year 1937, when sales were larger than 1936 or 1938, the operating costs and expenses were smaller for each dollar of net sales than for the other 2 years. For instance, in 1938 the ratios of costs and expenses to net sales increased over those of 1937 by amounts ranging from 3.56 cents per dollar of net sales for Wheeling Steel Corporation to 15.03 cents per dollar of net sales for Otis Steel Co. The increase for United States Steel Corporation was 9.28 cents per dollar of net sales. This increase in relative costs when the sales volume declines is largely caused by nonvariable expenses that cannot be proportionately contracted as business decreases. Over the 22-year period, or the portion thereof for which data are available for each company, the operating expenses ranged from 85.41 cents per dollar of net sales for Inland Steel Co. to 96.71 cents per dollar of net sales for Republic Steel Corporation.

Throughout the period under review, the ratio of total net profit, before deduction of interest on long-term debt or Federal income and profits taxes, ranged from 3.27 cents per dollar of net sales for Republic Steel Corporation to 15.40 cents per dollar of net sales for Inland Steel Co. It was 10.86 cents per dollar of net sales for United States Steel Corporation and 9.44 cents per dollar of net sales

for Bethlehem Steel Corporation.

The table also shows that substantial provisions out of income have been made by the steel companies for depreciation and depletion. Throughout the period under review these provisions ranged from 3.57 cents per dollar of sales for Otis Steel Co. to 6.49 cents per dollar of sales for Republic Steel Corporation. For United States Steel Corporation they amounted to 4.35 cents per dollar of sales, and for Bethlehem Steel Corporation they amounted to 5.52 cents per dollar of sales. Large amounts have been provided annually for depletion, depreciation and obsolescence, which, according to the experience of the various companies, were deemed to be sufficient to equal, on the average, the gross book value of the property, less salvage, as and when such properties were to be withdrawn from service.

In general, the provisions for annual depreciation and obsolescence of steel plants and equipment are made on the straight-line method and are arrived at by applying against the investment cost of each facility a rate to provide for its depreciation and obsolescence based upon the life expectancy of the facility. The provisions for depletion of ore, coal, limestone, and other natural resource properties are generally arrived at by dividing the total estimated recoverable quantity in the respective properties in operation into the total investment cost of same. The annual provision is then determined by applying the resultant rate to the actual quantity of raw materials removed during the year.

The following tabulation shows that the depreciation and obsolescence reserves of the various companies, at December 31, 1938, ranged from 33 to 50 percent of

the total recorded values of their respective properties:

	Dec. 31, 1938							
·	Property	Depreciation and depletion reserves	Percentage of reserves to property					
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin. Youngstown Sheet & Tube Co National Steel Corporation Inland Steel Co American Rolling Mill Co. Wheeling Steel Corporation Otts Steel Co Pittsburgh Steel Co.	\$2, 344, 316, 958 758, 386, 677 384, 506, 096 251, 753, 555 254, 353, 983 213, 897, 076 165, 825, 925 123, 437, 777 124, 156, 073 42, 814, 957 45, 352, 084	\$1, 177, 797, 445 305, 367, 631 145, 632, 568 94, 311, 256 123, 672, 860 70, 189, 566 60, 797, 700 44, 094, 549 52, 285, 296 17, 161, 183 20, 162, 239	50. 24 40. 40 37. 88 37. 46 48. 62 32. 81 36. 63 35. 72 42. 11 40. 08 44. 46					

With respect to the largest company in the industry, the question of obsolescence has been given very careful consideration. This is indicated by the fact that United States Steel Corporation, as far back as 1928, began an extensive survey of all of its operating properties, showing the age, condition, and adequacy of the facilities. The survey was carried forward by the company's engineers until 1935. Their findings were so extensive and involved expenditures of such magnitude that it was decided to employ outside opinion. To this end the firm of Ford, Bacon & Davis, appraisal engineers, was employed to study all of the properties, methods, personnel, and markets. The extent of this firm's appraisal may be indicated by the fact that during the years 1935-38 they received over \$3,000,000 from the Steel Corporation for their services.

In connection with these studies the corporation also made capital expenditures during recent years of nearly \$400,000,000. It also expended nearly \$500,000,000 for repairs, maintenance, and extraordinary replacements, and provided more

than \$650,000,000 for depreciation and depletion.

Attention is now directed to the relation of margins of profits on sales for the various companies with their returns on investment. This is indicated in the following tabulation which shows for each company, for the period 1917-38, its average total investment, sales, ratio of sales to investment, or capital turn-over, and the manner in which the average profits per dollar of sales is related, through the turn-over, to the average rates of return on investment.

The turn-over of eapital is indicated by the ratio of sales to investment and reflects the time required for the sales to equal the investment. The tabulation shows that the average turn-over for all companies combined, throughout the years under review, was 62 times. This means that on the average 19.5 months was required for the sales to equal the investment in order to produce one turnover of capital. This indicates the large amount of capital investment required in the steel business per dollar of sales and the slow moving nature of its products. As a result, margins of profits on sales are necessarily higher, in all instances, than the percentages of profits on investment.

Relation of margins of profit, through capital turn-over, to rates of return on investment for principal steel companies, 1917-38

Average 1917-38	Total invest- ment	Net sales	Rate of eapital turn-over in terms of sales (times)	Profit on sales	Rate of return on in- vestment
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation Youngstown Sheet & Tube Co. National Steel Corporation Inland Steel Co. American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co. Pittsburgh Steel Co. Combined	\$1,760, \$20,568 528,805,568 148,335,583 182,959,802 165,650,756 144,350,340 80,407,561 61,995,249 84,723,458 29,650,862 39,288,408 3,226,998,366	\$1, 188, 007, 575 253, 694, 696 86, 725, 824 91, 385, 476 99, 152, 647 85, 500, 203 53, 175, 448 45, 936, 457 59, 967, 385 21, 712, 069 25, 509, 155	0. 67 .48 .58 .50 .60 .59 .66 .74 .71 .73 .65	Percent 10. 86 9. 44 6. 57 12. 08 10. 78 13. 79 15. 40 8. 81 8. 61 5. 71 7. 58	Percent 7. 33 4. 53 3. 84 6. 03 6. 45 8. 17 10. 18 6. 53 6. 09 4. 18 4. 92 6. 59

¹ Net sales are for years 1917-27 and 1932-38.

Data are for years 1930-38
 Data are for years 1919-38

SALARIES AND OTHER COMPENSATION PAID TO OFFICERS AND DIRECTORS OF STEEL COMPANIES

Data regarding the compensation—salaries and bonuses—paid to officers and directors of some of the principal steel companies are presented to show the trends in recent years of the remuneration for their services. The amounts of compensation paid were obtained from reports submitted by the companies to the Securities and Exchange Commission for the years 1935 to 1938, inclusive, for United States Steel Corporation, Bethlehem Steel Corporation, Republic Steel Corporation, Jones & Laughlin Steel Corporation, Voungstown Sheet & Tube Co., National Steel Corporation, Inland Steel Co., the American Rolling Mill Co., Wheeling Steel Corporation, Otis Steel Co., and Pittsburgh Steel Co. Table 11, which follows, shows the annual aggregate remuneration paid to all

Table 11, which follows, shows the annual aggregate remuneration paid to all officers and directors and aggregate remuneration of the three highest paid officers and directors, of each company, during 1935 to 1938, inclusive; it also shows the total number of officers and directors.

total number of onicers and directors.

Table 11.—Aggregate remuneration, including salaries and bonuses, paid to officers and directors of the principal steel companies, 1935-38

	Number of officers and directors	Aggregate remuneration (salaries and bonuses)			
Company		All officers and directors	3 highest paid	All others	
1935					
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation Youngstown Sheet & Tube Co National Steel Corporation Inland Steel Co The American Rolling Mill Co Wheeling Steel Corporation Otis Steel Co Pittsburgh Steel Co	28 27 23 15 24 15 18 19 22 18	\$855, 614 1, 029, 495 544, 489 399, 350 318, 462 496, 379 479, 165 432, 887 265, 620 152, 448 150, 928	\$382, 353 473, 332 275, 240 135, 587 120, 400 430, 280 163, 980 183, 765 140, 000 111, 250 79, 934	\$473, 261 556, 163 269, 249 263, 763 198, 062 66, 099 315, 185 249, 122 125, 620 41, 198 70, 994	
1936					
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation Youngstown Sheet & Tube Co. National Steel Corporation Inland Steel Corporation Inland Steel Co The American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co. Pittsburgh Steel Co.	20	861, 338 983, 413 607, 531 452, 679 328, 752 578, 865 637, 469 524, 224 283, 796 176, 239 116, 259	367, 922 450, 900 335, 900 187, 217 122, 720 460, 220 177, 400 269, 346 140, 900 143, 900 55, 890	493, 416 533, 413 272, 531 265, 462 206, 032 118, 645 460, 069 254, 876 143, 796 28, 239 60, 369	
1937					
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation Youngstown Sheet & Tube Co National Steel Corporation Inland Steel Corporation Inland Steel Co Wheeling Steel Corporation Otis Steel Corporation Otis Steel Co. Pittsburgh Steel Co.	23 20 14 22 15 18	1, 240, 032 1, 754, 659 649, 198 571, 880 440, 917 564, 075 668, 420 576, 420 264, 860 229, 877 136, 725	410, 457 728, 962 350, 000 328, 333 180, 070 474, 446 179, 500 319, 411 125, 000 190, 800 71, 980	829, 575 1, 025, 697 299, 108 333, 547 260, 447 89, 629 488, 920 256, 979 139, 860 39, 077 64, 745	
1938					
United States Steel Corporation Bethlehem Steel Corporation Republic Steel Corporation Jones & Laughlin Steel Corporation Youngstown Sheet & Tube Co. National Steel Corporation Inland Steel Co. The American Rolling Mill Co. Wheeling Steel Corporation Otis Steel Co. Pittsburgh Steel Co.	12 22 14 18 20 21	1, 019, 484 1, 676, 359 574, 549 361, 732 436, 460 434, 803 577, 309 532, 506 241, 940 144, 879 190, 602	379, 897 708, 308 320, 832 220, 833 175, 166 362, 700 160, 750 298, 220 109, 999 113, 800 96, 000	639, 587 968, 051 253, 717 140, 899 261, 294 72, 103 416, 559 234, 283 131, 941 26, 079 94, 602	

It was not possible from the records of the Securities and Exchange Commission to segregate the total compensation paid to officers and directors so as to show the compensation received by those who were both officers and directors and those who functioned as directors only. Therefore, in comparing the aggregate remuneration of all officers and directors of one company with another consideration should be given to the fact that some directors receive only a nominal compensation for part-time services. For this reason altogether valid comparisons cannot be made of the per officer and director compensation paid by the various companies shown in the table.

However table 11 shows that there were fewer officers and directors of Bethlehem Steel Corporation than of United States Steel Corporation but that in the aggregate they received more compensation. In 1938 United States Steel Corporation had 25 officers and directors who received total compensation of \$1,019,484, while 22 officers and directors of Bethlehem Steel Corporation received compensation aggregating \$1,676,359. During the same year the officers and directors of Republic Steel Corporation, Jones & Laughlin Steel Corporation, Youngstown Sheet & Tube Co., National Steel Corporation, Inland Steel Co., and the American Rolling Mill Co. received aggregate remuneration ranging from \$361,732 to \$577,309.

The aggregate remuneration of the three highest-paid officers and directors combined during 1938 ranged from \$96,000 for Pittsburgh Steel Co. to \$708,308 for Bethlehem Steel Corporation. The three highest-paid combined received \$379,897 from United States Steel Corporation, \$362,700 from National Steel Corporation, and \$320,832 from Republic Steel Corporation.

The highest-paid officers of United States Steel Corporation did not receive as much compensation in 1938 as the highest-paid officer of some of the other steel companies. For example, the highest-paid officer of United States Steel Corporation in 1938 was William A. Irvin, vice chairman of the board of directors, who received \$140,070, and the next highest paid was Benjamin F. Fairless, president, who received \$135,344. There were five officers or directors of Bethlehem Steel Corporation each of whom received compensation ranging from \$149,610 to \$378,698, which larger amount was paid to Eugene G. Grace, president, in 1938. T. M. Girdler, president of Republic Steel Corporation, received \$160,416 in 1938, while George R. Fink, president of National Steel Corporation. recieved \$150,400, and Charles R. Hook, president of the American Rolling Mill Co., received \$134,846 in that year.

Tables 12 to 22, which follow, show the compensation, including salary and bonuses, paid to each of the higher-paid officers and directors of 11 of the principal steel companies. It will be noted that for some years no amounts of compensation are shown for certain officers or directors. This did not necessarily mean that they were no longer connected with the corporation, but it indicates that those officers or directors were not among the 3 highest paid during the year.

Table 12.—Compensation of the 3 highest-paid officers and directors of United States Steel Corporation, 1935-38

Name	Position	1935	1936	1937	1938
Myron C. Taylor	Chairman of the board of directors Director, and president 1935, 1936, and 1937; and vice chairman of the board of directors, 1938.				\$140, 070
Benjamin F. Fairless	Director and president, 1937 and 1938.			101,600	135, 344
William J. Filbert	Chairman, finance committee, and director.	91, 055			
E. R. Stettinus, Jr. L. Enders M. Voorbees	do		70, 750		104, 483

¹ Chairman of the board of directors in 1938.

Table 13.—Compensation of the highest-paid officers and directors of Bethlehem Steel Corporation, 1935-38

Name	Position	1935	1936	1937	1938
Charles M. Schwab ¹	Chairman of the board of directors. Director and president. Director. dododo	\$203, 332 180, 000 90, 000 90, 000	\$180,000 180,000 90,000 90,000	\$180,000 394,586 154,376 154,376 154,376	\$180,000 378,698 149,610 149,610

Also an officer and/or a director of one or more of the company's subsidiaries, and the aggregate remuneration shown is for all capacities.

² Compensation for 1937 and 1938 includes bonuses of \$214,586 and \$198,698, respectively. 3 Compensation for 1937 and 1938 includes bonuses of \$64,376 and \$59,610, respectively.

Table 14.—Compensation of the 3 highest-paid officers and directors of Republic Steel Corporation, 1935-38

Name	Position	1935	1936	1937	1938
T. M. Girdler ¹	Chairman of the board of directors and president. Director, vice president, and general manager. Director and vice president.	\$140,779 69,769 64,692	\$175,000 85,000	\$175, 000 100, 000	\$160, 416 91, 666
Myron A. Wick.	Director and vice president in charge of finance.	04,032	75, 000	75, 000	68, 750

Resigned as president Apr. 17, 1937.
Elected president Apr. 17, 1937.

Table 15 .- Compensation of the highest-paid officers and directors of Jones & Laughlin Steel Corporation, 1935-38

Name	Position	1935	1936	1937	1938
G. M. Laughlin, Jr.1	Chairman of the board of directors and member of executive com-	\$49,609			
S. E. Hacket 3	mittee. President, director, and member of executive committee.	49, 609	\$66,666	\$75,000	2 \$86, 458
W. C. Moreland 3	Vice president, director, and mem-	36, 369			
Frederick E. Fieger William D. Evans	ber of executive committee. Director, general counsel, and mem-	36, 369 36, 369	45, 552		
W. J. Creighton	ber of executive committee, Vice president, director, and mem- ber of executive committee.	36, 369	45, 552		42, 361
H. E. Lewis 8	President, chairman of the board of directors, and member of execu-		74, 999	100,000	92, 014
William B. Todd 6	tive committee. Vice president, director, and member of executive committee.			63, 333	
L. M. Parsons	Vice president and director				41, 667

¹ Resigned as chairman of the board Apr. 7, 1936, but continued in his capacity as a director.
² Resigned as president, director, and member of executive committee Feb. 14, 1938. Remuneration as shown above is for services rendered as such and includes additional compensation for valuable services rendered covering a period of approximately 22 years.
³ Resigned as vice president and member of executive committee but continued in his capacity as a direction.

tor.
4 Resigned as vice president and member of executive committee Mar. 22, 1937.
5 Elected Feb. 14, 1938.

Table 16.—Compensation of the highest-paid officers and directors of Youngstown Sheet & Tube Co., 1935-38

Name	Position	1935	1936	1937	1938
H. G. Dalton	Chairman of the board of directors and member of the executive com- mittee.	\$30, 200			
Frank Purnell	Director, president, and member of the executive committee.	60, 200	\$42,720	\$60, 070	\$54, 500
W. B. Gillies W. E. Watson	Vice presidentdo	30, 000 30, 000	40 , 000 40 , 000	60,000 60,000	60, 333 60, 333

Table 17.—Compensation of the 3 highest-paid officers and directors of National Steel Corporation, 1935-38

Name	Position	1935	1936	1937	1938
Ernest T. Weir 1	Chairman of the board of directors; also chairman of the board of directors, Weirton Steel Co., Great Lakes Steel Corporation, and Hanna Furnace Corporation (New York).	\$160, 100	\$200, 120	\$200, 340	\$147,900
George R. Fink 2	President and director; also president, Great Lakes Steel Corporation.	160, 120	200, 100	200, 340	150, 400
John C. Williams 3	Vice president and director; also president, Weirton Steel Co., Weirton Coal Co., and Hanna	110, 060			**
Thomas E. Millsop	Furnace Corporation (New York). President, Weirton Steel Co. and Weirton Coal Co.		60, 000	73, 766	64, 400

¹ Compensation for 1935, 1936, 1937, and 1938 includes bonuses of \$100,000, \$100,000, \$100,000, and \$47,500,

Table 18.—Compensation of the highest-paid officers and directors of Inland Steel Co., 1935-38

Name	Position	1935	1936	1937	1938
Leopold E. Block Philip D. Block Wilfred Sykes Edward M. Adams Edward L. Reyerson, Jr J. H. Walsh	Director and chairman of the board of directors. Director and president Director and assistant to president. Director and first vice president. Director and vice chairman of the board of directors. Work manager	\$60,000 60,000 43,980 42,000	\$62, 500 62, 500 52, 400	\$62, 500 62, 500 54, 500 54, 500 54, 500	\$56, 250 56, 250 48, 250 48, 250 48, 250

¹ Deceased.

Table 19.—Compensation of the 3 highest-paid officers and directors of the American Rolling Mill Co., 1935-38

Name	Position	1935	1936	1937	1938
George M. Verity Charles R. Hook 1 Calvin Verity 2	Chairman of the board of directors. Director, president, and general manager. Director, executive vice president, and assistant general manager.	\$69, 124 65, 510 49, 131	\$69, 883 114, 692 84, 771	\$74, 937 141, 060 103, 444	\$64, 487 134, 846 98, 887

Compensation for 1936, 1937, and 1938 includes bonuses of \$39,817, \$60,775, and \$65,752, respectively.
 Compensation for 1937 and 1938 includes bonuses of \$44,568 and \$48,218.

respectively.

2 Compensation for 1935, 1936, 1937, and 1938 includes bonuses of \$100,000, \$100,000, \$100,000, and \$50,000, respectively. 3 Compensation for 1935 includes bonus of \$50,000. Mr. Williams died on June 1, 1936.

4 Compensation for 1937 includes bonus of \$30,000. Elected director Weirton Steel Co., 1937.

Table 20.—Compensation of the 3 highest-paid officers and directors of Wheeling Steel Corporation, 1935-38

Name	Position	1935	1936	1937	1938
Alexander Glass	Chairman of the board of directors and chairman of executive com-	\$50,000	\$50,000	\$35,000	\$27, 500
William W. Halloway	mittee. Director, president, and member of executive committee.	50,000	50,000	50, 000	45, 833
Archie J. McFarland	Director, first vice president, and member of executive committee.	40,000	40,000	40,000	36, 666

Table 21.—Compensation of the 3 highest-paid officers and directors of Otis Steel Co., 1935-38

Name	Position	1935	1936	1937	1938
E. J. Kulas.	President and director President, Cuyahoga Valley Ry. Co.	\$42,650 3,600	\$61,400 3,600	\$81,400 3,600	\$46, 400 3, 600
Total	Vice president and general manager_	46, 250 48, 000	65,000 55,000	85, 900 71, 000	50,000 48,000
F. B. Allen 2.	Vice president. Vice president, Otis Steel Co. of Canada, Ltd. 1 2	16, 700 300			
Total		17,000			
H. E. Robinson	Vice president, Otis Steel Co. of Canada, Ltd. 1		27, 550 450	34, 200 600	20, 200 600
Total			28,000	34,800	20, 800

¹ Subsidiary company.

Served the company during entire year but served as such officer during only part of the year; said remuneration is that paid to him for full year 1935 as such employee and officer.

Table 22.—Compensation of the highest-paid officers and directors of Pittsburgh Steel Co., 1935-38

Name	Position	1935 1	1936 1	1937 1	1938 1	6 months, 1938 ²
Homer D. Williams 3	President, director, and member of executive committee.	\$48, 304	\$26, 250			
Emil Winter	Vice president, director, and mem- ber of executive committee.	16, 502				
Henry A. Roemer	President, director, and member of executive committee.		15, 000	\$36,000	\$36,000	\$18,000
William C. Sutherland 5	Director and executive vice president in charge of operations.	15, 128	14, 640	15, 980	20,000	
Charles E. Beeson	Director, vice president, treasurer, and member of executive com- mittee.	12, 379	11,980			
Henry J. Miller	Director, vice president, secretary and member of executive com- mittee.	12, 379	11, 980			
Alexander E. Walker 6	Director and executive vice presi-			7 20,000	40,000	20,000
J. H. Carter 8	ident. Director, vice president in charge of operations.				16, 000	15, 000

¹ Fiscal year ending June 30 of each year. ² 6-months period ending Dec. 31, 1938

² 6-months period ending Dec. 31, 1938
 ³ Resigned as president, director, and member of executive committee, Jan. 13, 1936.
 ⁴ Elected president, director, and member of executive committee Jan. 13, 1936; officer of certain subsidiaries at various times between Jan. 13, 1936 and Jan. 27, 1936.
 ⁵ Resigned as executive vice president in charge of operations May 31, 1938.
 ⁶ Elected director Oct. 26, 1937, and executive vice president Jan. 1, 1937.
 ⁷ Remuneration shown is for period Jan. 1, 1937, to June 30, 1937.
 ⁸ Elected vice president in charge of operations May 31, 1938.

INVESTMENTS, PROFITS, AND RATES OF RETURN FOR UNITED STATES STEEL CORPORATION

INTRODUCTION

The United States Steel Corporation has dominated the steel industry since its formation in 1901. At that time, the corporation produced 43 percent of all pig iron produced in United States, 65 percent of all steel ingots and steel castings, and 50 percent of all kinds of finished rolled products. The United States Steel Corporation continues to dominate the industry; it is approximately two and a half times as large in productive capacity as the next largest company, the Beth-lehem Steel Corporation. However, the United States Steel Corporation has declined in relative importance in the industry; this in spite of the fact that the corporation has increased both its productive capacity and investments since 1901. The industry has grown at a more rapid pace. At the end of 1938, the Steel Corporation produced 33 percent of all steel ingots and castings, and 29 percent of all kinds of finished rolled products.

For the period covered by this study the United States Steel Corporation of New Jersey controlled through stock ownership 259 subsidiary companies.

Classified by groups as follows:

Manufacturing companies	 65
Coal and coke companies	
Ore mining companies	
Transportation	 44
Miscellaneous	 53
Total	250

A few of the companies included in the above tabulation were inactive during

the period under review.

The manufacturing companies were engaged principally in producing pig iron, ingots, castings, and rolled and finished steel products for sale. In addition to the companies so engaged there was a number of other large closely related manufacturing concerns which built bridges, produced cement, etc., included in the group.

The coal and coke, ore mining, and transportation companies were engaged chiefly in United States Steel Corporation activities indicated by their respective

classifications.

The group of companies classified as "miscellaneous" includes real estate, utility merchandising and various other concerns engaged in activities somewhat removed from those directly connected with producing and disposing of iron and steel products.

A detailed analysis was made of approximately 40 companies, which are not primarily engaged in the production of iron and steel for sale in order to compare the results of the operations of such companies with those of the concerns more

directly engaged in the production of iron and steel for sale

PRODUCTION STATISTICS

While income, investment, and rates of return are measures of the activity and success of a business, such information presents only one phase of the history of a business. The things which a business produces is of real importance in describing its business life. Table 23 immediately following seeks to present such a record. This information has been compiled from production data appearing in the annual reports of the United States Steel Corporation. The wide variations are apparent from this table. For example, the annual production of ore mined has followed a most erratic course. In 1917, some 31,781,000 tons of ore was mined. Mining of ore fell off steadily the next few years, reaching a low in 1921 of 16,422,000 tons. Production of ore recovered rapidly and by 1923, 31,015,000 tons was mined. For the next 6 years, production fluctuated at levels somewhat below that of 1923 without snowing any definite trend. The next period, 1929–38, a characterized by a sharp, and precipitous decline to 1932, when only 3,616,090 tons of ore were mined as compared with 30,540,000 tons in 1929. Recovery from this low was rapid, though less so than the fall. By 1937 production regained the 1929 level with the mining of 30,428,000 tons of ore. 1938 saw, however, the sharpest decline in ore production of the whole 22-year period. Production of ore in 1938 was but slightly more than one-third that of the ore mined in 1937

As to be expected, production of steel ingots and castings, blast furnace production, and production of rolled and finished steel products for sale followed a course almost identical to that of ores mined, though the percentage variations in the production of ores mined was somewhat greater than in the case of the other stages of production.

of production.
Similarly, the production of coal and coke, since it enters so intimately in the manufacture of steel, follows with fairly close correlation the production of the products mentioned above. An inspection of the yearly totals reveals, however, that the changes from year to year, for the most part, have been less violent than

in the case of ores mined.

Table 23.—Summary of production of raw, semifinished and finished products of United States Steel Corporation 1928-38, inclusive

	·	1	1	1	T	ī	1	1
Products	1938	1937	1936	1935	1934	1933	1932	1931 .
Ores mined (tons) Limestone quarried	10, 984, 47	30, 428, 301	19, 023, 059	11, 437, 50	10, 074, 431	8, 345, 767	3, 616, 319	13, 600, 716
(tons) Coal mined (tons)					6, 043, 323 11, 724, 183			
Coke manufactured (tons)	7, 005, 69	14, 189, 725	12, 034, 398	7, 328, 08	5, 382, 345	4, 879, 785	2, 966, 483	7, 040, 832
tion (tons)	6, 814, 25	14, 438, 549	12, 054, 347	7, 417, 08	5, 512, 805	5, 026, 209	3, 122, 930	7, 021, 507
ings (tons)	9, 397, 37	18, 532, 278	16, 907, 996	11, 130, 94	8, 660, 309	8, 046, 995	4, 929, 236	10, 082, 398
steel products for sale (tons) Other (tons)	6, 562, 948 413, 08	8 12, 762, 267 616, 378					3, 591, 474 157, 341	
Portland cement (bar- rels)	10, 695, 50	12, 731, 347	12, 113, 649	8, 184, 46	7, 260, 600	6, 957, 190	7, 113, 300	15, 050, 996
Products		1930	1929	1928	1927	1926	1925	1924
Ores mined (tons)	ons)on (tons).gs (tons).	14, 611, 927 25, 388, 265 13, 113, 382 12, 758, 333 16, 726, 472	14, 763, 412 31, 826, 634 17, 355, 036 16, 484, 985 21, 868, 816	14, 600, 181 28, 691, 624 15, 993, 373 15, 237, 717 20, 105, 749	25, 646, 927 4, 656, 150 27, 430, 329 14, 506, 980 13, 784, 226 18, 486, 444	5, 513, 739 34, 294, 657 17, 336, 334 15, 705, 301 20, 306, 663	5, 344, 893 31, 475, 568 16, 301, 224 14, 798, 999 18, 898, 597	6, 033, 889 27, 738, 007 14, 408, 041 12, 683, 729 13, 478, 857
other (tons)	els)	651, 099	611, 600	595, 653	12, 979, 282 484, 719 15, 425, 000	490, 724	452, 372	396, 560
Products		1923	1922	1921	1920	1919	1918	1917
Ores mined (tons) Limestone quarried (to Coal mined (tons). Coke manufactured (to Blast-furnace producti Steel ingots and castin Rolled and finished structs for sale (tons). Other (tons). Portland cement (barn	ons) on (tons) gs (tons) eel prod-	6, 571, 486 35, 289, 901 18, 837, 631 16, 729, 226 20, 329, 950 14, 721, 489 411, 872	5, 633, 186 23, 293, 471 13, 237, 058 12, 027, 163 16, 082, 385 11, 785, 331 355, 027	4, 607, 486 21, 627, 939 9, 825, 264 8, 678, 262 10, 966, 347 7, 860, 334 306, 923	27, 021, 009 5, 981, 022 30, 528, 334 16, 208, 111 14, 532, 646 19, 277, 960 14, 228, 502 376, 351 11, 960, 000	5, 835, 239 28, 893, 123 15, 463, 649 13, 637, 504 17, 200, 373 11, 997, 935 105, 596	5, 141, 365 31, 748, 135 17, 757, 636 15, 940, 954 19, 583, 493 13, 849, 483 96, 958	6, 494, 917 31, 496, 823 17, 461, 675 15, 653, 928 20, 285, 061 14, 942, 911 122, 934

Because of the importance of rolled and finished steel products to the United States Steel Corporation, an analysis of such production by the steel-producing and fabricating subsidiaries for the years 1917–38 is set forth in table 24. While the table furnishes a measure of the relative size of the various steel-producing units of the United States Steel Corporation, it should be pointed out that certain of the units such as Carnegie Steel Co. and the Illinois Steel Co. and their successor, the Carnegie-Illinois Steel Corporation, devote a substantial proportion of their productive capacity to the production of basic steel products which require further processing by other units in the group. The tons produced for further conversion within the United States Steel Corporation by the companies listed in table 24 are not included in this table nor in table 23.

Table 24.—Summary of production of rolled and finished steel products for sale for the steel-producing and fabricating subsidiaries of the United States Steel Corporation, 1917-38, inclusive

	Tot	al	1938	193	7	193	6	1935	5	1934	1933	1932
American Sheet & Ti Plate Co	26, 79	4, 163	Tons 805, 083	Ton		Ton		Ton 1, 273,	591	Tons 1, 004, 49		
Carnegie-Illinois Ste Co Carnegie Steel Co Illinois Steel Co Columbia Steel Co National Tube Co Tennessee Coal, Iron	19, 64 65, 34 44, 65 1, 78 25, 89	6, 951 6, 905 9, 289	862, 840 225, 498 625, 717	8, 593, 264, 1, 111,	327		925 136 010		371 767	1, 628, 51 1, 135, 77 194, 60 484, 32	3 853, 41 1 172, 09	0 88,020
R. R. CoOther	15, 29		759, 847 283, 963	1, 009, 458,	292 190	816, 364,	811 801	563, 258,		516, 96 255, 79		
Total	242, 73	5, 341 6,	562, 948	12, 762,	267	11, 029,	616	7, 474,	213	6, 004, 58	5, 536, 32	2 3, 591, 474
	1931	1930) :	1929	1	928	1	927		1926	1925	1924
American Sheet & Tin Plate Co	Tons 900, 405	Ton. 1, 384,	156 1,9	Tons 982, 896	1,8	ons 66, 153	1,5	Tons 586, 054	1,	Tons 848, 027	Tons 1, 638, 719	,
Wire Co Carnegie Steel Co Illinois Steel Co Columbia Steel Co National Tube Co	922, 556 2, 064, 398 1, 281, 073 122, 107 735, 538	1, 185, 3, 357, 2, 414, 175, 1, 395,	747 4, 6 376 3, 5 743	593, 298 559, 280 512, 580 531, 429	4, 0 3, 2	303, 992 349, 212 33, 365 578, 030	3, 7	163, 678 710, 066 776, 801 744, 560	4, 3,	513, 907 193, 965 059, 501 822, 647	1, 534, 341 3, 925, 212 2, 985, 455	
Tennessee Coal, Iron & R. R. Co.	555, 982 613, 958	718,	106	929, 436 993, 750	8	22, 108 19, 528	9	018, 636	1,	052, 275 844, 090	950, 303 733, 201	812, 415
Total	7, 196, 017	11, 609,	265 15, 3	302, 669	13, 9	72, 388	12, 9	79, 282	14,	334, 412	13, 271, 010	11, 722, 908
		1923	3	1922]	921	1	1920		1919	1918	1917
American Sheet & T Co American Steel & Wir Carnegie Steel Co Illinois Steel Co. National Tube Co Tennessee Coal, Iron Co Other	e Co & R. R.	1, 774, 1, 780, 4, 693, 3, 270, 1, 665, 776,	019 1, 3 691 3, 6 573 2, 6 696 1, 3	504, 125 563, 839 586, 737 519, 238 283, 380 639, 353 488, 659	1, 0 2, 2 1, 7 1, 0	024, 643 013, 708 209, 589 772, 691 069, 780 441, 728 328, 195	2, (4, 6 3, (1, 8	310, 536 329, 731 582, 568 986, 011 534, 028 560, 720 524, 908	1, 4, 2, 1,	381, 528 654, 615 259, 377 293, 880 324, 900 534, 291 549, 344	1, 356, 120 1, 749, 397 4, 911, 986 2, 913, 220 1, 457, 392 544, 355 917, 013	2, 160, 123 5, 112, 951 2, 941, 652 1, 411, 025 610, 831
Total			469 11,									14, 942, 911

¹ Includes production of American Sheet & Tin Plate Co. and Illinois Steel Co.

An excellent measure of growth in the steel industry is the capacity to produce steel and steel products. The following tabulation compares the capacities of the United States Steel Corporation and the steel industry to produce steel ingots and castings from 1917 to 1939, inclusive:

Comparison of the capacities of the United States Steel Corporation and the steel industry in the production of steel ingots and castings, 1917-39

Year 1	Total for industry 2	U. S. Steel Corpora- tion	Percentage of corpor- ation to total	Year 1	Total for industry 2	U. S. Steel Corpora- tion	Percentage of corpor- ation to total
1917 1918 1919 1920 1921 1922 1923 1923 1924 1925 1926 1927 1927	Tons 49, 613, 888 52, 541, 445 54, 482, 740 55, 637, 135 57, 376, 810 58, 416, 680 58, 644, 655 59, 431, 710 61, 136, 805 57, 812, 531 60, 032, 247 61, 465, 100	Tons 22, 009, 300 22, 163, 000 22, 295, 500 22, 303, 300 22, 649, 800 22, 750, 200 22, 778, 400 23, 007, 700 22, 692, 000 23, 119, 800 23, 713, 000	44. 4 42. 2 40. 9 40. 1 39. 5 38. 8 38. 8 38. 3 37. 7 39. 3 38. 5 38. 5	1929 1930 1931 1931 1932 1933 1934 1935 1936 1937 1938 1939	Tons 63, 784, 389 65, 165, 541 68, 980, 181 70, 340, 101 70, 191, 431 69, 755, 371 70, 046, 366 69, 789, 554 69, 775, 334 71, 594, 320 73, 061, 569	Tons 24, 150, 000 25, 985, 000 25, 997, 000 27, 766, 300 27, 341, 900 27, 341, 900 26, 657, 000 25, 772, 400 28, 885, 000	37. 9 38. 5 37. 7 39. 5 40. 0 39. 2 39. 0 38. 2 36. 9 36. 0 39. 5

1 Totals as of January 1.

² From Annual Reports of the American Iron and Steel Institute (Summary of Production of Iron and Steel Products), 1917-39.

In 1917 the capacity of the corporation amounted to 44.4 percent of the total capacity for the industry. In terms of tonnage in 1917 the corporation had a rated capacity of 22,009,300 tons of steel ingots and eastings as compared with a capacity for the industry of 49,613,888 tons. In 1939 the industry had a capacity of 73,061,569 tons, while the corporation had a capacity of 28,885,000 tons, or 39.5 percent of the total. In other words, while the corporation increased its capacity during the period 6,875,700 tons, the capacity of the industry increased 23,447,681 tons. The decrease of approximately 5 percent in the corporation's participation in total capacity as the result of the more rapid increases in the capacity of the industry, represents a fairly gradual decline. This trend was interrupted when the corporation made slight recoveries to its former position. In 1926 the corporation's percent of participation increased to 39.3, a gain of 1.6 percent over the previous year. Again, in 1933, the corporation possessed 40.0 percent of total capacity, a gain of 2.3 percent over the preceding 2 years. Finally in 1939 the corporation's percentage of total capacity jumped 3.5 percent over the preceding year.

The following table 25 compares the capacities of the United States Steel Corporation and its steel subsidiaries in 1917 with its capacities in 1939. Since the relative loss of the corporation's participation in the production of steel has been gradual, without violent changes, it is perhaps unnecessary to account for the changes in capacities in the years intervening between 1917 and 1939. This table also shows the capacities of the subsidiaries for rolled and other iron and steel products. It will be noted that the total capacity of the corporation for the production of these products increased from 44,302,600 tons in 1917 to 55,818,025 tons in 1939. Most of this increase represents capacity for the conversion of steel within the corporation. The classification of rolled and other iron and steel products comprises several stages in the production of steel. This explains why with an increase in the capacity of these products of 11,515,425 tons, the capacity in the production of such products for sale to interests outside the corporation increased only 3,675,210 tons. In other words, an increasing amount of semifinished steel produced by the corporation was further processed by it into finished

products.

Table 25.—Comparison of capacities of United States Steel Corporation and its steel-producing and steel-fabricating subsidiaries in 1917 and 1939

		Jan. 1	1939					
		Relled and o	ther iron and ste	el products				
	Total steel ingots and castings	Total tonnage	Less tonnage for reconver- sion within each company	Net tonnage for sale				
Carnegie-Illinois Steel Corporation: Carnegie Division Illinois Division Lorain American Sheet & Tin Plate	11, 885, 000 9, 988, 000 20, 700 403, 000	17, 723, 460 11, 790, 400 54, 300 6, 935, 500	9, 208, 400 4, 601, 200 2, 660 3, 943, 800	8, 515, 060 7, 189, 200 51, 640 2, 991, 700				
Total Less reconversion of tonnage between divisions			17, 756, 060 - 3, 401, 970	18, 747, 600 3, 401, 970				
Total Carnegie-Illinois Steel Corporation American Steel & Wire Co. National Tube Co. Columbia Steel Co. Tennessee Coal, Iron & R. R. Co. American Bridge Co. Other.	22, 296, 700 1, 251, 000 2, 825, 000 494, 500 2, 017, 800	36, 503, 660 6, 760, 635 6, 154, 000 1, 089, 700 4, 513, 250 687, 080 109, 700	21, 158, 030 4, 622, 040 3, 470, 000 710, 760 3, 080, 900 19, 800 1, 700	15, 345, 630 2, 138, 595 2, 684, 000 378, 940 1, 432, 350 667, 280 108, 000				
		0	33, 063, 230	22, 754, 795				
Less reconversion of tonnage between companies.			2, 995, 795	2, 995, 795				
Total for United States Steel Corporation.	28, 885, 000	55, 818, 025	36, 059, 025	19, 759, 000				
	Jan. 1, 1917							
		Rolled and o	eel products					
	Total steel ingots and castings	Total tonnage	Less tonnage for reconver- sion within each company	Net tonnage for sale				
Carnegie-Illinois Steel Corporation: Carnegie Division 1 Illinois Division 1 Lorain 1 American Sheet & Tin Plate 1	10, 145, 000 5, 565, 300 288, 000	15, 489, 100 7, 542, 500 52, 120 3, 626, 100	8, 080, 780 3, 224, 700 1, 065 1, 692, 400	7, 408, 320 4, 317, 800 51, 055 1, 933, 700				
Less reconversion of tonnage between divisions.								
Total Carnegie-Illinois Steel Corporation American Steel & Wire Co National Tube Co Columbia Steel Co Tennessee Coal, Iron & R. R. Co American Bridge Co	15, 998, 300 2, 294, 000 2, 027, 000	26, 709, 820 9, 416, 350 4, 796, 000	12, 998, 945 6, 751, 830 2, 923, 800	13, 710, 875 2, 664, 520 1, 872, 200				
Tennessee Coal, Iron & R. R. Co American Bridge Co	950, 000 240, 000 500, 000	1, 415, 000 1, 160, 430 805, 000	704, 500 373, 920 430, 000	710, 500 786, 510 375, 000				
Total Less reconversion of tonnage between companies			24, 182, 995 4, 035, 815	20, 119, 605 4, 035, 815				
Total for United States Steel Corporation	22, 009, 300	44, 302, 600	28, 218, 810	16, 083, 709				

¹ In 1917 these divisions of Carnegie-Illinois were completely separate companies. In 1935 Carnegie Steel Co. and Illinois Steel Co. were merged to form the Carnegie-Illinois Steel Corporation. In 1936 the American Sheet & Tin Plate Co. was added.

Investments, Profits, and Rates of Return for United States Steel Corporation

The following table summarizes the investments, profits, and rates of return for United States Steel Corporation and subsidiaries on a consolidated basis, for

the period 1917 to 1938, inclusive.

Rates of return are computed on three bases of investments, namely the total investment, the stockholders' investment, the common stockholder's equity. The total investment includes preferred and common stocks, long-term debt, surplus, surplus reserves, and reserves for Federal income and profits taxes. The stockholders' investment includes all of these items except long-term debt. The common stockholders' equity consists of the outstanding common stocks, surplus, surplus reserves, and reserves for Federal income and profits taxes. On each basis the investments were averaged as of the beginning and end of the year after the elimination of appreciation and other intangibles.

The profits used in computing rates of return in the table are before deductions for Federal income and profits taxes, since such taxes are wholly contingent upon profits and represent a division of the earnings of the business. Subject to this qualification, the profits applicable to the total investment represent the net income from all sources before deducting interest on long-term debt. The profits applicable to the stockholders' investment represent the net income after deducting interest on long-term debt. The further deduction of dividends paid or accrued on preferred stock gives the net income applicable to the common stockholders' equity.

TABLE 26.—Summary of investments, profits, and rates of return for United States Steel Corporation and subsidiaries, 1917-38

	CON	CEN	TRAT	TION OF	ECONO)M	IC I
1932	\$870, 325, 200 360, 281, 100 270, 000, 000 81, 250, 021 329, 100, 248 34, 688, 520 4, 299, 239	1, 949, 944, 328 249, 583, 149	1, 700, 361, 179 95, 950, 255 18, 783, 722	1, 815, 095, 156 1, 867, 262, 334 1, 750, 559, 838 1, 390, 278, 738	1 65, 795, 143 1 71, 108, 604 1 96, 328, 281 1 3, 52	1 4.06	1 6.93
1933	\$870, 325, 200 360, 281, 100 270, 000 81, 250, 021 287, 330, 507 18, 398, 749 4, 225, 818	1, 891, 811, 395 249, 583, 149	1, 642, 228, 246 93, 179, 823 17, 010, 259	1, 752, 418, 328 1, 783, 756, 742 1, 671, 294, 712 1, 311, 013, 612	1 31, 250, 345 1 36, 414, 798 1 61, 634, 475 1 1 1, 75	1 2, 18	1 4. 70
1934	\$870, 325, 200 \$870, 231, 100 270, 000, 000 81, 250, 021 258, 575, 628 19, 630, 598 6, 733, 638	1, 866, 796, 185 249, 583, 149	1, 617, 213, 036 95, 663, 689 16, 017, 541	1, 728, 894, 266 1, 740, 656, 297 1, 629, 720, 641 1, 269, 439, 541	114,016,728 119,067,780 144,287,457 10.81	1 1.17	1 3, 49
1935	\$870, 325, 200 360, 281, 100 81, 250, 021 252, 516, 714 23, 444, 809 8, 715, 160	1, 596, 533, 004 249, 583, 149	1, 346, 949, 855 93, 551, 890 15, 025, 700	1, 455, 527, 445 1, 592, 210, 855 1, 482, 081, 445 1, 121, 800, 345	10, 031, 488 5, 071, 708 1 20, 147, 969 0. 63	.34	1 1.80
1936	\$\$70, 325, 200 360, 281, 100 81, 250, 021 252, 660, 717 28, 074, 449 15, 246, 244	1, 607, 837, 731	1, 368, 254, 582 98, 251, 474 14, 036, 195	1, 470, 542, 251 1, 463, 034, 848 1, 352, 602, 218 992, 321, 118	66, 701, 788 61, 783, 357 36, 563, 680 4, 56	4, 57	3, 68
1937	\$870, 325, 200 360, 281, 100 81, 250, 021 280, 356, 143 32, 476, 784 34, 534, 486	1, 659, 223, 734 249, 583, 149	1, 409, 640, 585 107, 489, 624 13, 082, 583	1, 530, 212, 792 1, 500, 377, 521 1, 383, 947, 583 1, 023, 666, 483	129, 585, 445 124, 444, 357 99, 224, 680 8. 64	8.99	69 '6
1938	\$652, 743, 900 360, 281, 100 38, 462, 801 247, 419, 013 31, 949, 585 9, 547, 713	1, 340, 404, 112	1, 340, 404, 111 231, 574, 257 12, 138, 082	1, 584, 116, 450 1, 557, 164, 621 1, 375, 022, 348 1, 014, 741, 248	3, 474, 874 1, 4, 787, 453 1, 30, 007, 130 0, 22	1, 35	. 1 2, 96
Total			1	\$1, 760, 820, 526 1, 388, 291, 593 1, 028, 010, 853	129, 020, 924 110, 663, 394 85, 443, 717 77. 33	7.97	8.31
Total 1938 1937 1936 1935	Capital stock, common Capital stock, preferred Surplus, appropriated Surplus, carried Surplus, carried Reserves, contingency Reserves—Federal Income and profits taxes.	8. Capital stock and surplus 9. Less intangibles.	10. Stockholders' investment. 11. Long-term debt. 12. Purchase money obligations.	estment. I proestment. I proestment. mon stockholders' investment. fore deducting Federal income and		Kate of return on stockholders' investment 1(8 + 15)	Kate of return on common stockholders' equity (19 + 10): percent

1 Losses.

rofts and rates of return for United States Steel Cornoration and subsidiaries, 1917-38-Continued

1ABLE 20.—Summary of investments, profits, and rates of return for Onties sieue Corporation and substantives, 1911-95—Contained	s, and rates of	of armar	חווונים אוח	222	To are and		6	
	1931	1930	1929	1928	1927	1936	1925	1924
887	225,	743, 281, 000,	\$813, 284, 000 360, 281, 100 270, 000, 000	\$711, 623, 500 360, 281, 100 270, 000, 000	\$711, 623, 500 360, 281, 100 270, 000, 000	\$508, 302, 500 360, 281, 100 270, 000, 000	\$508, 302, 500 360, 281, 100 240, 000, 000	\$508, 302, 500 360, 281, 100 200, 898, 914
2,24,4,	1, 250, 021 1, 837, 192 2, 341, 925 4, 306, 208	80, 177, 532 471, 782, 759 53, 983, 311 16, 671, 907	41, 037, 123 474, 711, 118 57, 547, 868 19, 136, 362	385, 277, 349 53, 195, 879 16, 561, 431	338, 044, 914 50, 269, 878 39, 817, 390	528, 502, 400 51, 792, 367 46, 477, 197	496, 863, 109 48, 835, 332 87, 741, 015	492, 061, 308 56, 260, 504 85, 709, 695
2,050,	341, 646 583, 149	2, 121, 640, 409 249, 583, 149	2, 035, 997, 573 249, 583, 149	1, 796, 939, 259 342, 877, 597	1, 770, 036, 782 384, 539, 045	1, 765, 355, 564 396, 811, 966	1, 742, 023, 056 451, 675, 831	1, 703, 514, 021 462, 177, 893
98,60	, 758, 497 , 887, 294 , 783, 722	,872, 057, 260 101, 820, 111 20, 785, 341	1, 786, 414, 424 112, 257, 978 21, 912, 189	1, 454, 061, 662 456, 602, 415 23, 408, 965	1, 385, 497, 737 475, 174, 529 24, 907, 859	1, 368, 543, 598 492, 689, 353 26, 408, 316	1, 290, 347, 225 509, 479, 578 27, 910, 868	1, 241, 336, 128 511, 272, 930 28, 701, 259
,919, 957, 836, 476,	429, 513 1, 1046, 112 1, 106, 778 1, 126, 778	, 994, 662, 712 , 957, 623, 651 , 829, 235, 842 , 468, 954, 742	1, 920, 584, 591 1, 927, 328, 816 1, 620, 238, 043 1, 259, 956, 943	1, 934, 073, 042 1, 909, 826, 583 1, 419, 779, 699 1, 059, 498, 599	1, 885, 580, 125 1, 886, 610, 696 1, 377, 020, 667 1, 016, 739, 567	1,887,641,267 1,857,689,469 1,329,445,411 969,164,311	1, 827, 737, 671 1, 804, 523, 994 1, 265, 841, 676 905, 560, 576	1, 781, 310, 317 1, 775, 981, 749 1, 227, 155, 064 866, 873, 964
18,6 13,1 112,1	, 587, 765 , 118, 141 , 101, 536 , 0. 95	120, 611, 668 114, 971, 571 89, 751, 894 6. 16	234, 767, 983 219, 823, 112 194, 603, 435 12. 18	166, 335, 965 140, 589, 956 115, 370, 279 8. 71	136, 750, 620 110, 687, 116 85, 467, 439 7. 25	171, 419, 226 144, 661, 288 119, 441, 611 9, 23	141, 463, 833 114, 354, 715 89, 135, 038 7. 84	134, 016, 302 106, 705, 793 81, 486, 116 7. 55
	17.	6. 29	13. 57	9.90	8.04	10.88	9.03	8. 70
	1,82	6.11	15, 45	10.89	8. 41	12, 32	9.84	9.40

1916					\$1, 435, 911, 623	1 1 1 1 1 1 1 1 1 1		
1917	\$508, 302, 500 360, 281, 100 110, 000, 000	406, 660, 804 39, 666, 876 245, 406, 350	1, 670, 317, 630 - 522, 609, 129	1, 147, 708, 501 586, 949, 949 35, 607, 318	1, 770, 265, 768 1, 603, 088, 695 977, 160, 625 616, 879, 525	495, 931, 675 464, 942, 232 439, 722, 555 30, 94	47.58	71.28
1918	508, 302, 500 360, 281, 100 110, 898, 914	441, 888, 421 57, 990, 115 307, 161, 192	1, 786, 522, 242 515, 987, 241	1, 270, 535, 001 582, 916, 274 34, 293, 923	1, 887, 745, 198 1, 829, 005, 483 1, 209, 121, 751 848, 840, 651	449, 990, 371 419, 331, 014 394, 111, 337 24, 60	34.68	46.43
1919	\$508, 302, 500 360, 281, 100 110, 898, 914	468, 048, 202 50, 834, 642 115, 433, 539	1, 613, 798, 897 508, 155, 266	1, 105, 643, 631 568, 964, 621 32, 813, 762	1, 707, 422, 014 1, 797, 583, 606 1, 188, 089, 316 827, 808, 216	166, 770, 908 136, 626, 559 111, 406, 882 9, 28	11.50	13.46
1920	\$508, 302, 500 360, 281, 100 140, 898, 914	498, 454, 891 58, 645, 100 111, 933, 898	1, 678, 516, 403 499, 805, 352	1, 178, 711, 051 555, 066, 402 31, 324, 201	1, 765, 101, 654 1, 736, 261, 834 1, 142, 177, 341 781, 896, 241	184, 893, 494 155, 544, 142 130, 324, 465 10. 65	13.62	16.67
1921	\$508, 302, 500 360, 281, 100 140, 898, 914	483, 926, 958 64, 363, 259 75, 388, 981	1, 633, 161, 712 491, 036, 651	1, 142, 125, 061 540, 874, 768 31, 234, 352	1, 714, 234, 181 1, 739, 667, 917 1, 160, 418, 056 800, 136, 956	76, 429, 834 47, 937, 568 22, 717, 891 4. 39	4.13	2.84
1922	\$508, 302, 500 360, 281, 100 140, 898, 914	474, 139, 415 57, 972, 263 77, 815, 194	1, 619, 409, 386 481, 856, 088	1, 137, 553, 298 539, 740, 268 31, 612, 507	1, 708, 906, 073 1, 711, 570, 127 1, 139, 839, 179 779, 558, 079	79, 651, 008 51, 284, 018 26, 064, 341 4. 65	4.50	3.34
1923	\$508, 302, 500 360, 281, 100 180, 898, 914	487, 751, 220 56, 657, 536 91, 349, 225	1, 685, 240, 495 472, 266, 494	1, 212, 974, 001 527, 159, 730 30, 519, 450	1, 770, 653, 181 1, 739, 779, 627 1, 175, 263, 649 814, 982, 549	162, 108, 296 134, 096, 658 108, 876, 981 9, 32	11.41	13.36
	1. Capital stock, common 2. Capital stock, preferred 3. Surplus, appropriated	5. Surplus, earned 6. Reserves, contingency 7. Reserves—Federal income and profits taxes.	8. Capital stock and surplus.	10. Stockholder's investments	14. Average of total investment. 15. Average of stockholders investment. 16. Average of common stockholders' amendments. 16. Average of common stockholders' amendments. 17. Average of common stockholders' amendments.			Table of return on common stockholders equity (1877-16)

Table 26 shows that rates of return based on the total investments, stockholders' investment, and common stockholders' equity were 30.94, 47.58, and 71.28 percent, respectively, for 1917. Rates of return were approximately one-third less for 1918 applicable to all classes of investment. The rates of return declined to 9.28, 11.50, and 13.46 percent, respectively, for 1919. Rates of return remained approximately the same for 1920 and then declined to 4.39, 4.13, and 2.84 percent, respectively, for 1921. The three classes of rates of return remained approximately the same for 1922, but there was a substantial increase in rates of return in 1923. Returns on all classes of investment continued at a high level thereafter through 1930. During the period 1923–30 rates of return were highest in 1929 and lowest in 1930. In 1929, earnings were equivalent to 12.18 percent on the total investment, 13.57 percent on the stockholders' investment, and 15.45 percent on the common stockholders' investment; in 1930 they were equivalent to 6.16 percent on the total investment, 6.29 percent on the stockholders' investment, and 6.11 percent on the common stockholders' equity.

Losses during the depression years and the moderate earnings in most of the other years were such that the results of operations since 1930 were decidedly less favorable on the whole than for the earlier years. This is evident from the

following tabulation of rates of return for the two periods:

Rates of Return

	1917-1930	1931–1938
On total investment. On stockholders' investment. On kommon stockholders' equity.	Percent 10. 77 13. 08 15. 43	Percent 0.87 .59

¹ Loss.

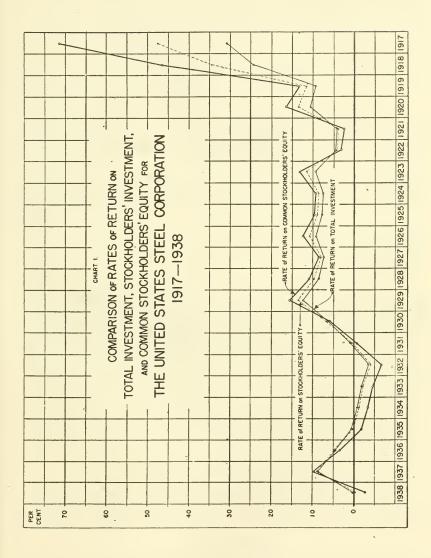
Rates of return were lowest in 1932 where losses were sustained on each basis of investment. For the following 5 years there was gradual recovery and in 1937 the returns were higher than for any year since 1929. In 1938 however, the trend was sharply reversed, the decline being greater than for any year since 1921.

The following chart 1, indicates graphically the trend in rates of return on each

basis of investment from 1917-38.

Table 26 shows that the total investment increased from \$1,770,265,768 in 1917 to \$1,994,662,712 in 1930, when it began a steady decline reaching \$1,455,527,445 at the close of 1935, largely resulting from unprofitable operations, caused by unfavorable business conditions during this latter period. Following 1935 there was a steady increase in total investment to \$1,584,116,450 as at December 31, 1938.

As shown elsewhere in this report intangible values included in the assets of the United States Steel Corporation, amounting to \$529,866,362.10 as at the beginning of 1917 were gradually written down to the end of 1937, when a balance of \$249,583,148.86 remained. All of this later amount was written off in 1938 with the exception of \$1. By reference to the table above referred to it may be noted that the intangible value was deducted in determining the total investment. Other details of the changes in total investment follow.



COMMON STOCK

Common stock as at December 31, 1916, amounted to \$508,302,500 and increased to \$652,743,900 as at December 31, 1938. This net increase of \$144,441,400 resulted from the issuance of 3,620,227 shares of the par value of \$100 per share, and the reduction of the par value of the common stock by \$217,581,300 in 1938, when the stock was changed from a par value of \$100 to a stated value of \$75 per share.

The common stock, issued during the period 1917 to 1938, inclusive, was for the

consideration set forth in the following tabulation:

Common stock issued by United States Steel Corporation and consideration therefor, 1917-38

			Consideration		Reduction
Year issued	Par value	Cash	Property	Stock divi- dend	from par to stated value
1917–26 1927 1929 1930 1931 1931	(1) \$203, 321, 000 101, 660, 500 3 55, 459, 500 1, 581, 700 7 217, 581, 300	² \$142, 697, 625 ⁴ 3, 029, 873 ⁶ 2, 653, 889	5 \$91, 570, 335	\$203, 321, 000	\$217, 581, 300
Total		148, 381, 387 43, 323, 487	91, 570, 335 . 37, 926, 535	203, 321, 000	217, 581, 300
Net increase	144, 441, 400	105, 057, 900	53, 643, 800	203, 321, 000	217, 581, 300

None issued.

2 Includes \$41,037,125 premium.

3 Includes \$1,815,700 par of stock sold to employees.

4 Includes \$1,214,172.

5 Includes \$37,926,535 premium.

6 Includes \$1,072,189 premium.

7 Danates deduntier.

7 Denotes deduction.

The tabulation shows that there was a net increase in outstanding common stock of \$144,441,400 during the years 1917-38. This increase, together with \$508,302,500 of outstanding common at December 31, 1916, accounts for \$652,743,900 of outstanding common stock at December 31, 1938, without par value, represented by 8,703,252 shares of the stated value of \$75 per share.

The property acquired for stock issued in 1930 consisted of the assets and business of Atlas Portland Cement Co., Columbia Steel Corporation, and Oil Well Supply Co. In consideration therefor, United States Steel Corporation issued 536,438 shares of its common stock of the par value of \$100 per share, of which 176,265 shares were issued for the assets of Atlas Portland Cement Co., 251,771 shares were issued for the assets of Columbia Steel Corporation, and 108,402 shares were issued for the assets of Oil Well Supply Co. The cash value of the assets acquired were stated to be \$91,570,335 and reflected the market value of the stock issued at the time of purchase. The difference between this amount and the par value of the United States Steel Corporation's stock issued therefor was credited to capital surplus.

The stock issued in payment of dividends amounting to \$203,321,000 in 1927

represented a 40 percent stock dividend from undivided surplus.

As previously explained, the common stock of United States Steel Corporation was changed from shares of the par value of \$100 to shares without par value. This resulted in a reduction of the value of \$,703,252 outstanding shares from \$870,325,200 to \$652,743,900 in 1938. This reduction of \$217,581,300 was (charged to the capital stock account and credited to the capital surplus account.

PREFERRED STOCK

The United States Steel Corporation has authorized the issuance of but one class of preferred stock, namely: 4,000,000 shares of 7 percent cumulative preferred. This stock with a par value of \$100 per share has equal voting power with the common stock. In addition it has preference as to any assets and dividends, being entitled in any liquidation to \$100 per share and accrued dividends.

The records of this company show that there have been issued and outstanding during the entire period covered by this report 3,602,811 shares, with a par value of \$360,281,100.

APPROPRIATED SURPLUS

The balance in the appropriated surplus account as at December 31, 1916, amounted to \$55,000,000 to which amount additions were made from earned surplus to cover capital expenditures, as follows:

	Balance Jan. 1	Net addi- tlens dur- ing year	Balance Dec. 31		Balance Jan. 1	Net addi- tions dur- ing year	Balance Dec. 31
1917	110, 000, 000 110, 898, 914 110, 898, 914	\$55,000,000 898,914 30,000,000 (1) 40,000,000	\$110, 000. 000 110, 898, 914 110, 898, 914 140, 898, 914 (1) 180, 898, 914	1924	\$180, 898, 914 200, 898, 914 240, 000, 000 (1) 2 270, 000, 000	\$20,000,000 39,101,086 30,000,000	\$200, 898, 914 240, 000, 000 270, 000, 000 (1)

CAPITAL SURPLUS

At December 31, 1938, the amount of capital surplus recorded on the company's books was \$38,462,801. The additions and deductions accounting for this balance in this a nount are as follows:

ADDITIONS

Difference between proceeds and par value of 1,016,605 shares of common stock of the par value of \$100 per share issued for cash in 1929. Difference between proceeds and par value of 18,157 shares of common stock issued for cash in 1930. Excess of cash value of assets of Atlas Portland Cement Co., Columbia Steel Corporation, and Oil Well Supply Co. over par value of 536,438 shares of common stock issued therefor in 1930. Difference between proceeds and par value of 15,817 shares of common stock issued for cash in 1931. Surplus arising from reduction in 1938 of the value of 8,703,252	\$41, 037, 125 1, 214, 172 37, 926, 535 1, 072, 189
shares of outstanding common stock from shares of the par value of \$100 each to shares without par value, but to which a stated value of \$75 per share was assigned	
Total	298, 831, 231
DEDUCTIONS "	
Amount applied in 1938 to the reduction of appreciation and other intangibles	260, 368, 520
Balance, capital surplus Dec. 31, 1938	38, 462, 801
EARNED SURPLUS	
Earned surplus decreased from \$356,360,913 at December 31, 1 419,013 at December 31, 1938, as follows:	916, to \$247,-
Balance Dec. 31, 1916	\$356, 360, 913 , 670, 058, 253
Total 2 Acquisition of assets and securities of other companies Reversal of reserves no longer required Refund of prior years, Federal income and profits tax Refund of railroad recapture payments	, 026, 419, 166 12, 876, 706 97, 098, 546 90, 780, 939 6, 355, 750

² In 1935 the balance in the appropriated surplus of \$270,000,000 was transferred to depreciation reserves. This was the result of a detailed and extensive survey by the corporation of its depreciable property which revealed that depreciation reserves were inadequate by this amount.

Less dividends:		
Common stock:		
Cash	\$669, 817, 548	
Stock	203, 321, 000	
Preferred cash	554, 832, 894	
	1 40# 0#1 440	
Total	1, 427, 971, 442	
Transfers to:		
Depreciation reserves		<
Appropriated surplus		
Amortization of intangibles		
Premiums paid on bonds retired	40, 841, 224	
Miscellaneous		
	\$1	, 986, 112, 094
Balance, Dec. 31, 1938		247, 419, 013

CONTINGENCY AND FEDERAL INCOME AND PROFITS TAX RESERVES

The balance in the reserves to provide for general contingencies, accident, and hospital expenditures, extraordinary expenses in specified operations, and for special purposes amounted to \$31,949,585 at the end of 1938. The balance in this account varied from \$64,263,259 in 1921 to \$18,398,749 in 1933. The yearly

balances carried in this reserve appear in table 26.

The balance in the reserve for Federal income and profits taxes amounted to \$9,547,713 at the end of 1938. The amounts reserved for this purpose were largest in 1917 and 1918, amounting to \$245,406,350 and \$307,161,192, respectively. During these years the company realized large war profits and undoubtedly accrued these reserves to provide for large war-profits taxes. The reserves in these years, as shown by the table referred to above, were relatively small. Net income dropped very decidedly for 1919 and subsequent years and likewise smaller amounts were reserved in anticipation of Federal income and profits taxes.

LONG-TERM DEBT

Bonded, debenture, and mortgage indebtedness decreased from \$603,736,905 as at December 31, 1916, to \$231,574,257 as at December 31, 1938, as follows:

Bonded, debenture, and mortgage debt

	Total liability Jan. 1	Amounts issued or liability assumed	Amounts retired	Total liability Dec. 31	Supple- mentary adjust- ments
917	\$603, 736, 905	\$1,000	\$16, 760, 188	\$586, 949, 949	\$27,76
918	586, 949, 949	8, 148, 273	12, 156, 179	582, 916, 274	25, 76
919	582, 916, 274	709, 000	14, 630, 885	568, 964, 621	29, 76
920	568, 964, 621	29, 250	13, 899, 701	555, 066, 402	27, 76
921	555, 066, 402	310,000	14, 473, 866	540, 874, 768	27, 76
922	540, 874, 768	15, 781, 000	16, 905, 500	539, 740, 268	10, 00
923	539, 740, 268	806, 000	13, 386, 538	527, 159, 730	
924	527, 159, 730	1, 202, 700	17, 089, 500	511, 272, 930	
925	511, 272, 930	15, 412, 000	17, 186, 852	509, 479, 578	18, 50
926	509, 479, 578	92, 775	16, 869, 000	492, 689, 353	14,00
927	492, 689, 353		17, 514, 824	475, 174, 529	
928	475, 174, 529		18, 572, 114	456, 602, 415	
929	456, 602, 415		344, 344, 437	112, 257, 978	
930	112, 257, 978	425, 933	10, 905, 500	101, 820, 111	-41,7
931	101,820,111		2, 932, 817	98, 887, 294	
932			2, 937, 039	. 95, 550, 255	
933	95, 950, 255		2, 770, 431	93, 179, 824	
934	93, 179, 824	4,740,400	2, 256, 535	95, 663, 689	
935		0 700 000	2, 111, 799	93, 551, 890	
936		6, 560, 000	1, 860, 416	98, 251, 474	
937	98, 251, 474	19, 425, 067	10, 186, 917	107, 489, 624	
938	107, 489, 624	132, 157, 000	8, 072, 367	231, 574, 257	

The preceding tabulation shows that the principal reductions in bonded indebtedness occured in 1929 when the corporation retired its 50-year 5-percent gold bonds of 1951, and its 10-60-year 5-percent bonds of 1963. Of these issues there were outstanding at January 1, 1929, exclusive of bonds previously purchased and in the treasury, \$134,830,000 and \$136,632,000, respectively. The 50-year gold 5's of 1951 were called for payment September 1, 1929, at 115 and interest, and the 10-60-year sinking-fund gold 5's of 1963 were called for payment November 1, 1929, at 110 and interest. During 1929 \$265,455,000 of these bonds were retired.

Of the total amount of 50-year 5-percent gold bonds, outstanding as above indicated, \$58,368,000 were of the noncallable series. The greater part of such bonds were held by a few interests with whom arrangements were made to turn

in their bonds for redemption at the call price for the callable series.

Of the remaining 78,887,437 of bonds retired during 1929, \$45,918,000 represented cancelation of bonds previously redeemed and held in the treasury. Bonds of subsidiary companies, principally those of the Indiana Steel Co. and the National Tube Co. in the amount of \$32,971,437 make up the balance of these bonds retired.

The cash funds required in retiring these bonds were supplied from cash resources on hand, representing surplus and surplus reserves, and in part from proceeds of

sale of additional shares of common stock.

The principal issuance of bonds, between January 1, 1917, and December 31, 1938, the period covered by this report, occurred during 1938 when \$100,000,000 of United States Steel Corporation 10-year 3\%-percent debentures and \$30,000,000 first mortgages 3\% percent Duluth, Missabe & Iron Range Railway Co. were issued.

The 10-year 3¼ percent debentures of United States Steel Corporation, dated June 1, 1938, mature June 1, 1948. On June 7, 1938, these bonds were sold through a syndicate, headed by Morgan, Stanley & Co., Inc., at a price equal to 98¼ percent of the principal amount thereof, plus accrued interest. The aggregate cash proceeds derived by United States Steel Corporation from such sale was \$98,250,-000.

To the extent of \$50,000,000 these proceeds were used for the repayment of bank loans incurred in February 1938, the remainder being available, among other things, for expenditures for modernization, extension and replacement of various manufacturing plants of the subsidiaries. The detail by companies, issues, balance outstanding, December 31, 1938, maturity and interest is shown in the following

tabulation.

United States Steel Corporation and subsidiary companies' bonded, mortgage, and debenture debt outstanding, Dec. 31, 1938

_				
Company and issue	Balance out-	Maturity		Interest
Company and issue	standing	Wisturity	Rate	Payable
United States Steel Corporation 10- year 3½-percent debentures. Subsidiary companies' bonds guaran- teed by United States Steel Corpora-	\$100, 000, 000. 00	June 1, 1948 1	Pct. 31/4	June and December.
tion: American Steel & Wire Co. of Ala-	2 964, 000. 00	Nov. 1, 1946 3	5	May and No-
bama first-mortgage gold bonds. Carnegie-Illinois Steel Corporation bonds—St. Clair Furnace Co. first-mortgage gold bonds. Elgin, Joliet & Eastern Ry. Co. bonds:	100, 000. 00	Aug. 1, 1939	5	vember. February and August.
Joliet equipment trust regis- tered gold bonds	375, 000. 00	\$125,000 each July 1	5	January and July.
Chicago, Lake Shore & Eastern Ry: Co. first-mortgage gold bonds.	9, 000, 000. 00	June 1, 1969	41/2	June and De- cember.
H. C. Frick Coke Co.—Pitts- burgh—Monongahela first lien purchase money gold coupon bonds.	3, 537, 000. 00	\$589,000 each July 1 to 1943, inclusive. \$592,000 July 1, 1944	5	January and July.
Illinois Steel Co. debenture gold honds of 1940. Union R. R. Co. bonds:	18, 500, 000. 00	`Apr. 1, 1940	41/2	April and Octo- ber.
Gold debentures Monongahela Southern R. R.	5, 900, 000. 00	Sept. 1, 1946	6	June and De- cember.
Co. bonds: First mortgage 50-year gold	3, 000, 000. 00	Oct. 1, 1955	5	April and, Octo-
bonds. General mortgage gold	2, 500, 000, 00	do	6	ber. Do.
bonds. St. Clair Terminal R. R. Co. bonds—general mortgage 30-year	1, 129, 000, 00	Mar. 1, 1950	5	March and Sep- tember.
gold bonds. Subsidiary companies' bonds not guaranteed by United States Steel Corporation: Bessemer & Lake Erie R. R. Co.				tember.
bonds: Bessemer & Lake Erie equipment trust certificates of 1936.	6, 060, 000. 00	\$470,000 each Nov. 1 to 1950, inclusive. \$420,000 Nov. 1, 1951	21/2	May and No- vember.
Bessemer & Lake Erie R. R. equipment-trust of 1937. Pittsburg, Bessemer & Lake Erie R. R. Co. bonds:	6, 030, 000. 90	\$670,000 each Mar. 1	21/4	March and September.
Consolidated first-mortgage 50- year gold bonds. The Pittsburgh, Shenango & Lake Erie R. R. Co. bonds:	9, 554, 000. 00	Jan. 1, 1947	5	January and July.
First-mortgage gold loan of	68, 000. 00	Oct. 1, 1940	5	April and Octo-
1890. Consolidated first - mort-	378, 000. 00	July 1, 1943	. 5	ber. January and
gage 50-year gold bonds. Duluth, Missabe & Iron Range	28, 800, 000. 00	Oet. 1, 1962 4	31/2	
Ry. Co. first-mortgage bonds. Duluth, Missabe & Northern Ry. equipment trust of 1937. Elgin, Joliet & Eastern Ry. Co. bonds:	3, 528, 000. 00	\$252,000 each Mar. 1	2½	ber. March and Sep- tember.
First-mortgage gold bonds	10, 000, 000. 00	May 1, 1941	5	May and No- vember.
Elgln, Joliet & Eastern Ry. equipment trust of 1937.	2, 100, 000. 00	\$150,000 each Mar. 1	21/2	
Tennessee Coal, Iron & R. R. Co. general mortgage gold bonds.	8 11, 276, 000. 00	July 1, 1951 6	5	January and July.
Birmingham Southern R. R. equipment trust of 1936.	720, 000. 00	\$90,000 each Dec. 1	31/2	June and De- cember.

¹ Sinking fund of \$2,500,000 due each June and Dec. 1, 1939 to 1947, account retirement of these bonds.

1 In addition, \$1,236,000 of this issue are held alive in sinking fund.

3 \$44,000 per annum payable to sinking-fund trustees plus interest on bonds in sinking fund for redemption of bonds.

of forms.

4 Sinking fund to retire \$600,000 prineipal amount of bonds each Apr. and Oct. 1 to 1962, inclusive.

5 \$5,225,000 of these bonds are guaranteed by United States Steel Corporation under a special nonassignable guaranty to their present holders.

6 Annual sinking fund equals \$119,360. If bonds are not offered to trustees at 105 or less, within 20 days of first publication of offer to purchase, amount of unused installment is returned by trustees to company.

United States Steel Corporation and subsidiary companies' bonded, mortgage, and debenture debt outstanding, Dec. 31, 1938—Continued

	Balance out-			Interest
Company and issue	standing	Maturity	Rate	Payable
Subsidiary companies' bonds not guaranteed by United States Steel Corporation—Continued. Union Railroad Co. bonds: First-mortgage gold bonds Union equipment trust certificates of 1936. Union R. R. equipment trust	\$2,000,000.00 2,340,000.00 2,210,000.00	Sept. I, 1946 \$180,000 each Nov. 1 \$170,000 each Mar. 1		March and Sep- tember. May and No- vember. March and Sep-
of 1937. Subsidiary companies' real-estate mortgages. Purchase money obligations issued in the acquirement of fixed property.	93, 890. 60		, -	tember.
Total	231, 269, 257, 17			
Bonds to cover payment of which cash funds are specially deposited with trustee: United States Steel Corporation 50-year gold bonds, noncallable series. Matured and called bonds unpresented for payment funds to redeem which	269, 000. 00	Apr. 1, 1951	5	February, April, June, August, October, and December.
are held by trustees: United States Steel Corporation 10-60 year sinking fund gold bonds.	. 8, 000, 00			
Indiana Steel Co. first-mortgage	3,000.00			
gold bonds. Duluth & Iron Range R. R. Co. first-mortgage bonds. Other matured bonds unpresented	2, 000. 00 23, 000. 00			
for payment.	,			
Total this group	305, 000. 00			
Grand total as per balance sheet_	231, 574, 257. 17			

PURCHASE MONEY OBLIGATIONS

The item styled purchase money obligations decreased from \$25,561,968 at January 1, 1917, to \$12,138,082 at December 31, 1938. During 1917 the balance in this account representing principally existing mining royalty obligations was substituted for subsidiary companies' non-interest-bearing notes, maturing over a period of 39 years.

The net liability as at the close of each year 1917 to 1938, inclusive, representing

this item is shown in table 26.

Intangibles

The total assets of the United States Steel Corporation at the time of its organization in 1901 were capitalized at an amount far in excess of the value of the physical assets acquired. The book value of these assets in 1901 amounted to \$1,402,846,817. In 1911 the Bureau of Corporations estimated that of this amount \$720,846,817 represented intangible value; the remaining \$682,000,000 representing tangible assets. Subsequent to 1901, the United States Steel Corporation acquired three large steel companies which resulted in the inclusion of additional water or intangible value in the assets of the United States Steel Corporation. The Union Steel Co. was taken over in 1902, the Clairton Steel Co. in 1904, and the Tennessee Coal, Iron & Railroad Co. in 1907. These acquisitions raised the total of intangible value originally included in the assets of the United States Steel Corporation to \$768,671,021.53.

In recognition of the desirability of eliminating this intangible value from their accounts, the United States Steel Corporation has written the entire \$768,671,021.53 of intangible value down to the nominal amount of \$1. Table

27, immediately following, shows how the reduction was accomplished.

Table 27.—Total intangible value included in the assets of United States Steel Corporation and the manner in which such value has been written off

		Amounts writte	en off or provide	d for amortizatio	n of intangibles-	
Years	Total intangible value	From surplus invested in property account	From bond sinking fund reserve account	From capital surplus account	Total	Balance of intangible value
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1920		\$163, 694, 423. 55 1 898, 914. 10 				\$529, 866, 362, 10 \$522, 609, 128, 69 \$515, 987, 241, 55 \$508, 155, 241, 55 \$508, 155, 241, 55 \$499, 805, 352, 00 \$491, 036, 650, 83 \$481, 856, 087, 352, 00 \$472, 266, 494, 36 \$402, 177, 893, 07 \$411, 965, 59 \$384, 539, 945, 53 \$44, 583, 148, 86 \$249, 583, 148, 86
Total.		362, 209, 666. 00	182, 092, 834. 00	260, 368, 520. 53 260, 368, 520. 53	249, 583, 147. 86 768, 671, 020. 53	- 1.00

¹ Deduction.

The United States Steel Corporation effected the amortization of intangibles through two amortization reserve accounts. The principal reserve account was called "Surplus invested in property." This account appears only on the books of the subsidiary companies. Column 3 sets forth the amounts credited to this account. The balance in the individual accounts of the various subsidiaries of the United States Steel Corporation was deducted directly from their property accounts. The property accounts of the subsidiary companies as thus reduced were incorporated in the consolidation statements of the United States Steel Corporation. So far as the consolidated statement is concerned, these amounts were effectively written off against the property account. Since 1916, the principal amounts credited to this account were transferred from free surplus. However, \$43,956,177.93 and \$956,882.30 were transferred from "Depreciation reserves" in 1926 and 1927, respectively.

The second amortization reserve account was called "U. S. Steel Corp. bond sinking fund reserve." This reserve was built up by annual charges against income. These yearly amounts are shown in column 4. The actual yearly balance of the sinking fund reserve is not given in the table. In the consolidated statement, the balance in the reserve has been combined with other depreciation, depletion, and amortization reserves. The resulting total was then deducted from the "Property investment account" so as to show the net property

investment.

The important thing about this particular method of amortization of intangible values, is the fact that it has been built up through charges against income. Had these intangibles never been brought on the books of the United States Steel Corporation, the yearly income would never have been burdened with charges for their amortization. Therefore in order to arrive somewhat nearer to the true income of the United States Steel Corporation, the income has been increased each year by the amounts shown in column 4. The income during this period has been adjusted by \$117,767,971. The United States Steel Corporation decided that of this amount \$10,785,372.67 represented excessive provision from income for amortion on of intangibles. This latter amount, shown as a deduction in column 4, was transferred from "Bond sinking fund reserve" to repair certain net shortages in the "Depreciation reserves" of certain subsidiary companies. The net amount of \$106,982,598 represents the amount of

"Bond sinking reserve" which the United States Steel Corporation actually used to amortize intangibles.

In order to maintain the correct yearly balances of surplus, the free surplus was charged with the same amounts which were thus credited to income. In other words, no part of the intangibles should be written off through charges to

income; all such charges should be against some capital account.

In 1938, the United States Steel Corporation in one final act squeezed the last remaining intangible values from their assets. At the annual stockholders meeting in April 1938, the common stock was changed from stock having a par value of \$100 per share, to stock of no-par value. The no-par stock was then given a stated value of \$75 per share. This resulted in a decrease of the capital value of the common stock of \$217,581,300 which amount increased the capital surplus from \$81,250,621.42 to \$298,831,321.42. Of this capital surplus \$260,368,520.53 was applied aganst the remaining intangibles value in the "Property investment account."

DISPOSITION OF CAPITAL, EARNINGS, AND OTHER RESOURCES

The following table 28 indicates the main sources of funds and the manner in which such funds were used during the period from January 1, 1917, to December 31, 1938, for the United States Steel Corporation and its subsidiaries as a consolidated group. This summary does not, of course, purport to show total gross funds available and their disposition. Receipts from sales and from other similar sources are not included here. Nor are the disbursements for expenses properly chargeable against income included. However, net income for the period gives effect to these factors, since it, together with the depreciation and similar reserves created by charges against income during the period, is a measure of the net funds available to the management as the result of the operation of the business. In other words, for the purpose of this statement which is designed to show long-time changes of a more permanent nature, manufacturing costs, distribution and administrative expenses, Federal income and profits taxes, interest on long-term debt have already been deducted from gross income. These amounts are shown in table 29, "Summary of income, expenses, and surplus," for the United States Steel Corporation 1917–38.

Table 28 has been prepared so as to eliminate the effect of intangible values. The December 31, 1916, consolidated balance sheet for the United States Steel Corporation and its subsidiaries includes among its assets some \$529,866,000 of intangibles which have been entirely eliminated from the consolidated balance sheet for December 31, 1938. The writing off of this intangible value against various capital accounts does not, of course, affect the amounts of funds available to the United States Steel Corporation or the manner of their disposition. Therefore, in order to put the 1916 statement on a comparable basis with the 1938 statement, the \$529,866,000 of intangibles has been deducted from the 1917

statement.

Table 28.—Statement of disposition of capital, earnings, and other resources of the United States Steel Corporation and its subsidiaries for the period from Jan. 1, 1917, to Dec. 31, 1938, with effect of all intangible values eliminated

1,857,936,000	
337, 881,4000	
	** *** ***
	\$1, 520, 055, 000
	1, 061, 170, 000
\$158, 702, 000 81, 252, 000	239, 954, 000
	187, 878, 000 1, 857, 936, 000 337, 881,400

Of this amount, \$211,669,422 was transferred by the corporation through the appropriated surplus account.
Balance prior to 1917.

Table 28.—Statement of disposition of capital, earnings, and other resources of the United States Steel Corporation and its subsidiaries for the period from Jan. 1, 1917, to Dec. 31, 1938, with effect of all intangible values eliminated—Continued

Reduction in prepayments of mining royalties Increase in contingent, insurance, and miscellaneous operating reserves. Reduction in working capital		\$42, 021, 000 28, 924, 000 25, 334, 000
	_	2, 917, 458, 000
Disposition of above resources: Increase in investment in property	\$639, 818, 000 554, 832, 000	1, 265, 918, 000
Net amount expended in retirement of funded debt: Decrease in bonded debt and purchase-money obligations Premium on bonds retired	385, 584, 000 40, 841, 000	1, 224, 650, 000 426, 425, 000
Other (net)		465, 000
		2, 917, 458, 000

The principal source of funds during this period was net income as adjusted. The adjustments reveal additions of \$187,878,000 and deductions of \$337,881,000 to net income as set forth in the table 28. A certain small, though indeterminate, portion of these additions and deductions are applicable to the period prior to 1917. Subject to this qualification, net income supplied \$1,520,055,000. Most of this amount was distributed in the form of cash dividends to the stockholders. These cash dividends amounted to \$1,224,650,000, \$669,818,000 going to the common stockholders and \$554,832,000 to preferred stockholders. Income retained in the business after the distribution of cash dividends amounted to \$295,405,000.

The next most important source of funds was obtained by the retention within the business of asset values represented by the increase in depreciation and depletion reserve during this period of \$1,631,170,000. The whole of this increase flowed into the property account. From 1917 to 1938, the United States Steel Corporation increased its investment in property before deduction of reserves for depreciation and depletion from \$1,078,399,000 to \$2,344,317,000. The net increase amounts to \$1,265,918,000. Attention should be called to the fact that all intangible values have been eliminated from this comparison.

Thus all but \$204,748,000 of the net increase in property during this period was accounted for by the increase in the depreciation and depletion reserves.

A summary follows of the funds not yet accounted for.

Source:	Amounts available
Balance of net income as adjusted	
Issuance of common stock	239, 954, 000
Reduction in prepayments of mining royalties	42, 021, 000
Reduction in working capital	25, 334, 000
Increase in contingent, insurance, and miscellaneous oper-	
ating reserves	28, 924, 000
Total	631, 638, 000
Dispositions:	Amounts
Retirement of bonded debt	\$426, 425, 000
Increase in investment in property not accounted for	204, 748, 000
Other (net)	
Total	631, 638, 000
Total	031, 038, 000

The bulk of the funds available, as shown above, was used to retire bonded debt. The above amount of funded debt represents the net decrease in the funded debt and the cost of such retirement from 1917 to 1938. In 1917, the funded debt and purchase money obligations amounted to \$629,296,000; in 1938 it totaled \$243,712,000. This is a net decrease of \$385,584,000. An additional \$40,841,000 in the form of a premium on bonds was required to be disbursed in the retirer lent of these bonds. Thus, to effect a net decrease of \$385,584,000 in the funded debt, total funds of \$426,425,000 were required. These funds were supplied principally from accumulated net income and the issuance of common stock.

It should be pointed out in this connection that the increase in funds available through the issuance of common stock is exclusive of the common-stock increase through stock 'dividends. This increase has not been shown since it does not represent a source of funds in itself, but simply is a device for holding within the business funds previously accumulated. It should also be emphasized that the increase in the investment in property represents a net increase, and does not take into account the replacement of property actually retired with property of equal cost.

INCOME, EXPENSES, AND SURPLUS FOR UNITED STATES STEEL CORPORATION

Table 29, which follows, summarizes the income, expenses, and surplus of the United States Steel Corporation and its subsidiaries on a consolidated basis for each year during 1917–38, and accounts for the profits applicable to each basis of investment on which rates of return were computed.

Net sales during the 22-year period, from 1917-38 aggregated \$26,136,166,672. Total operating expenses amounted to \$23,632,819,197. This resulted in a net income from operations of \$2,503,347,475, before deducting Federal income and excess-profits taxes which totaled \$764,536,417. Adding income derived from all other sources and deducting interest paid on funded debt, a total of \$1,670,058,253 was earned during the 22-year period, 1917-38.

The relation of costs, expenses, and profits is further emphasized in the following

The relation of costs, expenses, and profits is further emphasized in the following tabulation which shows the yearly averages and the percentage of costs, expenses, and net income to sales for the United States Steel Corporation and its subsidiaries for the 22-year period 1917-38.

	Yearly average	Percent of net sales
Net sales Cost of goods sold Distribution and administrative expenses. Provision for depreciation and depletion.	\$1, 188, 007, 575 947, 937, 547 74, 610, 397 51, 671, 110	100.00 79.79 6.28 4.35
Total operating expense	1, 074, 219, 054	90. 42
Net income from operations. Other income (net)	\$113, 788, 521 15, 232, 402	9. 58 1. 28
Net income applicable to total investment. Less interest on long term debt.	129, 020, 923 18, 357, 529	10. 86 1. 55
Net income applicable to stockholders' investment. Less provision for Federal income and profit taxes.	110, 663, 394 34, 751, 656	9. 31 2. 92
Net income for year	75, 911, 738	6, 39

Averages are rather deceptive in an industry whose business fluctuates so violently as the steel industry. It does, however, indicate a rough norm about which the business of the steel company may be said to fluctuate.

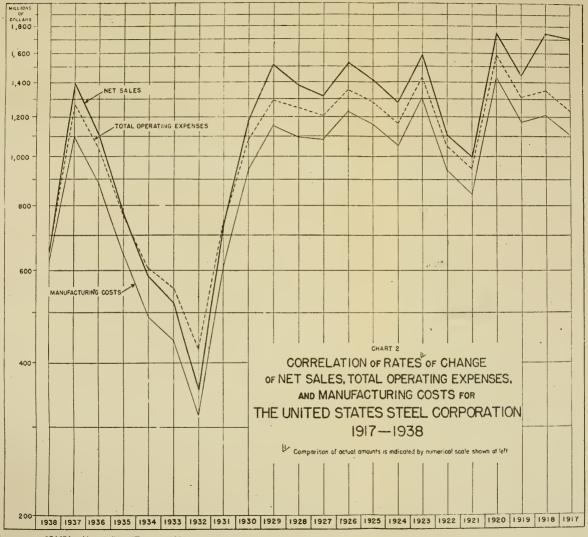
Table 29.—Summary of income, expenses, and surplus for U. S. Steel Corporation, 1917-38

	Totals	1938	1937	1936	1935	1934	1933	1932
Net sales	\$26, 136, 166, 672	\$766, 673, 753	\$1, 395, 549, 630	\$1, 099, 931, 336	\$776, 348, 013	\$588, 835, 492	\$521, 943, 224	\$354, 693, 131
Manufacturing costs.	20, 854, 626, 021	622, 533, 629	1, 098, 772, 329	889, 890, 528	644, 959, 971	490, 439, 560	446, 543, 059	316, 995, 130
Distribution and administrative expenses including taxes other than Federal income and profit taxes. Provisions for depreciation and depletion.	1, 641, 428, 744 1, 136, 764, 432	97, 105, 059 49, 193, 448	111, 608, 890 59, 589, 159	89, 771, 699 55, 466, 762	76, 802, 740 47, 801, 389	71, 177, 342 44, 579, 308	67, 503, 567 43, 584, 499	66, 961, 003 40, 319, 794
Total operating expenses	23, 632, 819, 197	768, 832, 136	1, 269, 970, 378	1, 035, 128, 989	769, 564, 100	606, 196, 210	557, 631, 125	424, 275, 927
Net income from operations Other income (net)	2, 503, 347, 475 335, 112, 852	t 2, 158, 383 5, 633, 257	125, 579, 252 4, 006, 193	64, 802, 347 1, 899, 441	6, 783, 913 3, 247, 575	117, 360, 718 3, 343, 990	1 35, 687, 901 4, 437, 556	3, 787, 653
Net income applicable to total investment. Less interest on long-term debt.	2,838,460,327	3, 474, 874 8, 262, 327	129, 585, 445 5, 141, 088	66, 701, 788 4, 918, 431	10, 031, 488 4, 959, 780	1 14, 016, 728 5, 051, 052	1 31, 250, 345 5, 164, 453	1 65, 795, 143 5, 313, 461
Net income applicable to stockholders' jnvestment.	2, 434, 594, 670 764, 536, 417	1 4, 787, 453 2, 930, 000	124, 444, 357 29, 500, 000	61, 783, 357 11, 200, 000	5, 071, 708 3, 925, 000	1 19, 067, 780 2, 600, 000	1 36, 414, 798 86, 325	1 71, 108, 604 67, 101
Net income for year. Surplus beginning of year.	1, 670, 058, 253 356, 360, 913	17, 717, 453 280, 356, 143	94, 944, 357 252, 660, 717	50, 583, 357 252, 516, 714	1, 146, 708 258, 575, 628	1 21, 667, 780 287, 330, 507	1 36, 501, 123 329, 100, 248	1 71, 175, 705 421, 837, 192
Total	2,026,419,166	272, 638, 690	347, 605, 074	303, 100, 071	259, 722, 336	265, 662, 727	292, 599, 125	350, 661, 487
Less dividends paid on: Common stock in cach.	669, 817, 548		8, 703, 252		6 5 1			
Preferred stock in cash	554, 832, 894	25, 219, 677	58, 545, 679	50, 439, 354	7, 205, 622	7, 205, 622	7, 205, 622	20, 716, 163
Total dividends	1, 427, 971, 442	25, 219, 677	67, 248, 931	50, 439, 354	7, 205, 622	7, 205, 622	7, 205, 622	20, 716, 163
Total	598, 447, 724	247, 419, 013	280, 356, 143	252, 660, 717	252, 516, 714	258, 457, 105	285, 393, 503	329, 945, 324
Depreciation reserves	1 60, 427, 303						1 21, 000, 000	
A equisitions of assets and securities of other companies	12, 876, 706	1 0 1 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				118, 523		
Amortization of intalkitous. Reversals of reserves no longer required.	97, 098, 546						18, 624, 038	000
Premiums paid on bonds retired Refund of railroad recapture payments made in prior years	6, 355, 750						6, 355, 750	070,101
Refund of prior years Federal income and excess-profits taxes Amortization of intangibles charged to income	1 117, 767, 971							
All other	1 8, 933, 636	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1				1 2, 040, 234	1 783, 556
Total additions or deductions	1 351, 028, 711	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				118, 523	1.937,004	1 845, 076
Surplus at end of year	247, 419, 013	247, 419, 013	280, 356, 143	252, 660, 717	252, 516, 714	258, 575, 628	287, 330, 507	329, 100, 248

			manufacture annual regulation		Approximation of the last	-		
	1931	1930	1929	1928	1927	1926	1925	1924
Net sales.	\$725, 248, 082	\$1, 175, 046, 726	\$1, 502, 211, 063	\$1, 381, 842, 104	\$1, 318, 334, 399	\$1, 515, 063, 024.	\$1, 412, 153, 544	\$1, 270, 789, 379
Manufacturing costs	610, 689, 126	935, 509, 378	1, 150, 023, 977	1, 098, 684, 915	1, 078, 472, 010	1, 231, 999, 842	1, 164, 856, 034	1, 046, 718, 778
other than Federal income and profit taxes. Provisions for depreciation and depletion.	75, 385, 950 47, 317, 895	84, 456, 669 58, 550, 120	85, 561, 482 58, 275, 735	80, 486, 444 55, 780, 931	74, 459, 546 47, 589, 969	74, 256, 099 53, 313, 223	74, 738, 587 45, 554, 617	68, 694, 859 38, 804, 236
Total operating expenses	733, 392, 971	1,078,516,167	1, 293, 861, 194	1, 234, 952, 290	1, 200, 521, 525	1, 359, 599, 164	1, 285, 179, 238	1, 154, 217, 873
Net income from operations	1 8, 144, 889 26, 732, 654	96, 530, 559 24, 081, 109	208, 349, 869 26, 418, 114	146, 890, 814 19, 445, 151	117, 812, 874	155, 463, 860 15, 955, 366	126, 974, 606 14, 489, 227	116, 571, 506 17, 444, 796
Net income applicable to total investment.	18, 587, 765 5, 469, 624	120, 611, 668 5, 640, 097	234, 767, 983 14, 944, 871	166, 335, 965 25, 746, 009	136, 750, 620 26, 063, 504	171, 419, 226 26, 757, 938	141, 463, 833 27, 109, 118	134, 016, 302 27, 310, 509
Net income applicable to stockholders' investment. Provision for Federal income and profit taxes	13, 118, 141 80, 000	114, 971, 571 10, 550, 000	219, 823, 112 17, 232, 624	140, 589, 956 14, 959, 809	110, 687, 116	144, 661, 288 17, 086, 196	114, 354, 715	106, 705, 793 11, 590, 000
Net income for year. Surplus beginning of year.	13, 038, 141 471, 782, 759	104, 421, 571 434, 711, 118	202, 590, 488 385, 277, 349	125, 630, 147 338, 044, 914	99, 212, 874 528, 502, 400	127, 575, 092 496, 863, 109	101, 104, 715 492, 061, 308	95, 155, 793 487, 751, 220
Total	484, 820, 900	539, 132, 689	587, 867, 837	463, 675, 061	627, 715, 274	624, 438, 201	593, 166, 023	582, 907, 013
Less dividends paid on: Common stock in cash Common stock in stock	36, 983, 950	60, 365, 797	63, 849, 040	49, 813, 645	49, 813, 645	35, 581, 175	35, 581, 175	35, 581, 175
Preferred stock in cash	25, 219, 677	25, 219, 677	25, 219, 677	25, 219, 677	25, 219, 677	25, 219, 677	25, 219, 677	25, 219, 677
Total dividends.	62, 203, 627	85, 585, 474	89, 968, 717	75, 033, 322	278, 354, 322	60, 800, 852	60, 800, 852	60, 800, 852
Total	422, 617, 273	453; 547, 215	498, 799, 120	388, 641, 739	349, 360, 952	563, 637, 349	532, 365, 171	522, 106, 161
Depreciation reserves. Transferred to appropriated surplus.				1 6, 500, 000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 26, 952, 074	1 25,000,000	300, 512
Acquisitions of assets and securities of other companies Amortization of intangibles. Reversals of reserves no longer required Premiums paid on bonds retired.	1 63, 750	1 86, 850	1 88, 296, 020 54, 076, 404 1 40, 626, 554	8, 091, 982 1 30, 205, 076	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24, 397, 361		743
Refund of prior years Federal income and excess profits taxes. Amortization of intangibles charged to income ² All other.	1716, 331	18, 322, 394	15, 756, 596 1 4, 998, 428	, 36, 705, 076 1 11, 456, 372	1 11, 316, 038	19, 996, 873 1 10, 907, 687	1 10, 502, 062	1 10, 088, 601 1 257, 507
Total additions or deductions	1 780, 081	18, 235, 544	1 64, 088, 002	13,364,390	1 11, 316, 038	1 35, 134, 949	1 35, 502, 062	1 30, 044, 853
Surplus at end of year.	421, 837, 192	471, 782, 759	434, 711, 118	385, 277, 349	338, 044, 914	528, 502, 400	496, 863, 109	492, 061, 308
1 Denotes red figure.	3 (Charged to inco	me by company	, but restored t	Charged to income by company, but restored to income for purposes of this report.	poses of this rel	port.	

Table 29.—Summary of income, expenses, and surplus for U. S. Steel Corporation, 1917-38—Continued

 $^{\rm 1}$ Denotes red figure. $^{\rm 2}$ Charged to income for purposes of this report.





Reference to table 29 shows that net sales has followed an extremely erratic course during the whole of the 22-year period. During the period from 1917 to 1929 sales fluctuated violently about a slight downward trend. Sales declined from a near high in 1917 to \$1,706,356,000 to a low for this period in 1921 of \$997,127,000. Sales recovered erratically to \$1,502,211,000 in 1929. In addition to the inability of net sales to maintain any definite trend from year to year, it should be pointed out that the most precipitious drop in the period occurred between 1920 and 1921, when sales fell from \$1,756,667,000 to \$997,127,000. The period 1929-38 witnessed a sharp and continuous decline from \$1,502,-

211,000 in 1929 to \$354,693,000 in 1932. The following 5 years show that net sales recovered nearly all of this decline without break, reaching \$1,395,550,000 in 1937. This upward trend was completely reversed in 1938. Sales plunged

downward to \$766,674,000.

While net sales during the whole period from 1917 to 1938 was characterized by a complete lack of stability, manufacturing costs, and total operating expenses fluctuated in surprising agreement with the fluctuations of net sales.

degree of correlation is evident from chart 2, which follows.

It is to be noted that it is a peculiarity of the ratio paper on which this graph is charted that the slope of a line measures its rate of change. Thus equal slopes of lines, regardless of the numerical amounts which they represent, indicate equal

The correlation between net sales and total operating expenses is somewhat less than the degree of correlation existing between manufacturing costs and net sales. This is explained by the greater lack of correlation between depreciation, distribu-

tion and administrative expenses with net sales.

In the case of distribution and administrative expenses the trend was almost in direct reverse of that of net sales. These expenses started in 1917 at the low for the period of \$45,122,000, and with some variation increased to a high of \$111, 609,000 in 1937. Depreciation and depletion, however, followed in a general way net sales, though much more loosely than did manufacturing costs. It should be mentioned here that depreciation for blast furnace relining and renewals is included by the United States Steel Corporation in manufacturing costs. However, the amounts so included are not sufficiently large to alter materially the amount of depreciation and depletion set forth in table 29.

While there was excellent correlation between total operating expenses and sales, expenses varied less widely than did sales. This resulted in larger fluctuations in income than occurred in either of the other factors. Net income applicable to total investment, stockholders' investment and common stockholders' equity, varied closely with one another, except in the early years 1917-20. explained by the fact that during this period, the earnings applicable to the common stockholders' equity was much larger than the payments for the use of funds supplied by either the bondholders or the preferred stockholders. After 1920,

these income totals moved closely together.

Attention is now directed to the relation of net income, after deducting interest on long-term debt and Federal income and profit taxes, with charges for depreciation and depletion, capital expenditures, and expenses for repairs, maintenance, and extraordinary replacements. This relationship is graphically portrayed in chart 3, which follows.

It will be observed that capital expenditures followed net income more closely than either of the other factors, though from 1920 to 1930 capital expenditures lag somewhat behind net income. Repairs, maintenance and extraordinary, de-

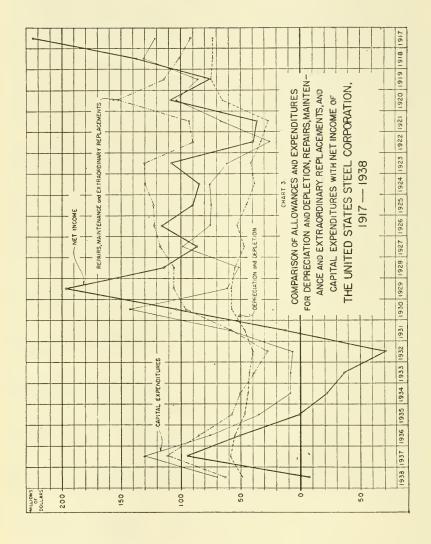
preciation and depletion shows a less close relationship.

The following tabulation sets forth a comparison of capital expenditure, repairs and maintenance and extraordinary replacements, and charges for depreciation and depletion of the United States Steel Corporation for the periods indicated.

Period	Capital expenditures	Repairs, main- tenance and extraordinary replacements	Depreclation and depletion
1917-38	\$1, 584, 393, 100	\$2, 078, 222, 328	1 \$1, 467, 191, 735
1938-31	399, 563, 931	497, 233, 471	2 678, 852, 254
1930-23	646, 647, 797	934, 037, 606	3 433, 624, 281
1922-17	538, 181, 372	646, 951, 251	4 354, 715, 200

Includes \$330,427,303 transferred from surplus.

Includes \$291,000 000 transferred from surplus.
 Includes \$33.844,889 transferred from surplus.
 Includes \$5,582,414 transferred from surplus.



The tabulation reveals particularly that in the S-year period terminating with the depression in the steel industry in 1930, the United States Steel Corporation spent \$683.888,001 more for capital expenditures, and repairs, maintenance, and extraordinary replacements than it did in the 8 years following 1930. Approximately two-thirds of this decrease occurred in expenditures for repairs, maintenance and extraordinary replacements which were cut almost in half.

Credits to depreciation and depletion reserves during the 1923–30 period were \$245,227,973 less than for the period, 1931–38. However, of the \$678,852,254 credited to the depreciation and depletion reserves in the years 1931–38, \$291,-000,000 represented charges against surplus. These charges providing for additional depreciation, were made necessary by inadequate annual depreciation charges against income. In 1935, \$270,000,000 was transferred from surplus to depreciation reserves to repair deficiencies in the reserves. An extensive survey by the United States Steel Corporation of all its operating properties for the purpose of determining the age, condition, and adequacy of its facilities revealed the existence of these deficiencies. This survey, undertaken in 1928, was carried forward by the company's engineers until 1935. Their findings were so extensive and involved expenditures of such magnitude that it was decided to employ outside opinion. To this end the firm of Ford, Bacon, and Davis, appraisal engineers, was employed. The extent of this firm's appraisal is indicated by the fact that during the years 1935–38 they received \$3,037,157.76 from the Steel Corporation for their services.

The depreciation and depletion of \$678,852,254 charged during the 1931-38 period, together with the amounts charged during the prior periods shown in the above tabulation, resulted in a huge increase in the depreciation and depletion reserves of the United States Steel Corporation. These reserves increased from \$271,004,251.99 in 1917 to \$1,177,797,445 in 1938. The property account increased by a somewhat larger amount. In December 31, 1938, the investment in property account amounted to \$2,344,316,958. The depreciation and depletion reserves as of December 31, 1938, amounted to 50.24 percent of the property

account.

Table 30 immediately following contains a summary of capital expenditures made by the United States Steel Corporation and subsidiaries, during the period 1917 to 1938, inclusive.

Table 30.—Summary of capital expenditures made by United States Steel Corporation and subsidiaries, 1917-38

,01				
1928	535, 232, 417 2, 878, 188 1, 035, 576 4, 539, 634 4, 539, 634 2, 075, 821 549, 407 436, 873	52, 169, 587	1917	\$79, 469, 840 17, 131, 042 2, 665, 067 13, 898, 856 3, 157, 918 4, 796, 021
1929	\$40,403,813 1,903,365 909,426 3,417,577 1,729,841 8,814,819 3,836,234 -101,971	61, 043, 035	1918	12, 524 \$56, 134, 497 \$79, 469, 840 12, 958, 648 18, 825, 227 17, 131, 042 2, 028, 943 2, 713, 167 2, 665, 067 4, 222, 655, 65, 067 6, 080, 766 5, 081, 692 13, 898, 856 6, 080, 765 128 16, 561, 029 3, 157, 918 14, 770, 349 18, 074, 219 4, 796, 021 20, 706, 346 121, 113, 836, 094 121, 113, 744
1930	\$114, 960 8155 5, 670, 995 5, 670, 995 6, 20, 315 1, 089, 735 1, 089, 735 448, 508 448, 731	143, 490, 621	1919	
1931	\$45, 570, 238 \$5, 570, 238 \$5, 581, 362 \$7, 284, 284 \$1, 028, 763 \$38, 137 \$5, 583, 137 \$164, 357 \$180, 201 \$134, 694	59, 602, 329	1920	36, 868, 523 \$37, 677, 329 9, 074, 692 2, 276, 556 3, 928, 310, 599, 249 3, 938, 353 3, 502, 276 447, 443 67, 013, 347 104, 664, 758
1932	\$4, 900, 006 \$ 258, 613 258, 633 626, 934 472, 823 12, 242 -15, 485 213, 113	7, 168, 620	1921	\$36, 868, 523 \$ 2, 9.074, 692 \$ 2, 9.074, 692 \$ 2, 276, 683 \$ 3, 292, 276 \$ 8, 216, 013, 347, 443 \$ 5, 67, 013, 347, 443
1933	87, 646, 660 242, 021 381, 289 219, 262 952, 074 12, 247 4, 229 61, 859	9, 639, 271	1922	\$16, 076, 740 \$ 5, 987, 117 234, 528 1784, 698 2, 709, 614 1, (651, 611 (1) (1) (1) 26, 844, 308
1934	86, 098, 736 1, 762, 319 826, 976 181, 567 92, 784 591, 171 83, 343 5, 070 135, 830	9, 777, 796	1923	\$35, 416, 609 \$16, 076, 740 8, 079, 209 5, 937, 117 5, 313, 516 2, 34, 528 9, 670, 447 1, 519 1, 458, 338 1, 161, 611, 611 1, 169, 307 1,
1935	831 601, 655 1, 046, 067 300, 537 311, 856 996, 682 318, 845 105, 498	35, 313, 455	1924	\$55, 920, 958 \$ \$5, 798, 073 \$3, 227, 375 627, 374 6, 547, 374 1, 472, 634 76, 548, 598
1936	\$54, 951, 681 4, 037, 437 1, 337, 437 13, 384, 228 330, 389 13, 804, 228 369, 882 369, 682	76, 480, 863	1925	59, 485, 328, \$60, 455, 967 \$ 4, 149, 177, 839 1, 259, 912 2, 278 4, 562, 278 4, 740, 909 4, 562, 278 4, 711, 977 3, 622, 838 1, 284, 781, 881, 938 1, 023, 485 1,
1937	886, 553, 809 6, 254, 893 111, 2, 783, 111, 2, 784, 693 25, 249, 659 5, 487, 541, 866 -212, 341	70, 782, 544 139, 799, 053	1926	\$59, 485, 328 \$141, 217 \$4, 149, 217 \$1, 1529, 912 \$21, 378 \$20, 077, 049 \$942, 893 \$1, 023, 485
1938	\$63,379,114 1,000,102 1,021,391 1,046,370 1,046,370 322,497 687,933 2,373,913 497,834 452,790	1	1927	867, 368, 107 8 15, 466, 286 5, 966, 244 623, 217 4, 221, 613 7, 621, 613 7, 799, 648 667, 145 99, 500, 438
Total	81, 045, 285, 426 144, 1828, 4316 35, 288, 4316 18, 800, 289 140, 383, 139 140, 383, 139 65, 345, 913 7, 540, 635 7, 540, 635 22, 870, 240	1, 584, 393, 100		he byptod.
	Manufacturing properties, exclusive of the byproduct coke plants. Byproduct coke plants. Coal properties. Linestone and flux properties. Rail transportation. Water transportation. Water gas, and other service properties. Land and suply companies. Land and suply companies. Cand and suply companies. Equal and suply companies. Shipbuilding Plants, Inc., town site for employces.	Total gross property expendi-		Manufacturing properties, exclusive of the byprod uct coke plants. Byproduct coke plants. Coal properties. Iron-ore properties. Rail transportation. Water transportation. Water good and supply companies. Land and supply companies. Land and supply companies. Supply companies. Shipbuilding Plants, Inc., town site for employees shipbuilding Plants, Inc., town site for employees.

¹ Included above.

DIVIDENDS

Table 29 shows that of the net income of \$1,670,058,253 earned for the period 1917-38, dividends in the amount of \$1,427,971,442 were distributed to the stockholders. The dividends, together with the net deductions of \$351,028,711 from surplus, account for the reduction in surplus from \$356,360,913 at the beginning of 1917 to \$247,419,013 at the end of 1938.

Dividends amounting to \$1,224,650,442 were distributed in the form of cash to the stockholders. The common stockholders received \$669,817,548 and the preferred stockholders received \$554,832,894. The remaining dividends of \$203,-321,000 represents a distribution of a 40 percent common stock dividend which

was declared in 1927 on the common stock.

The dividend rate on the common and preferred stock follows. This rate is based on the par value of each class of stock. It has been already pointed out that in 1938, the common stock was changed from shares with par value of \$100 each to hares without par value to which a stated value of \$75 a share has been assigned. It will be observed in the yearly rates in the preferred stock which follow that the United States Steel Corporation did not maintain a dividend rate of 7 percent for every year on the preferred stock. However, as of 1938, all arrears on the 7 percent cumulative preferred have been remedied.

- Years	Rate on common stock 1	Rate on 7 percent cumulative preferred stock ¹	Years	Rate on common stock 1	Rate on 7 percent cumulative preferred stock ¹
1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927.	Percent 18 14 5 5 5 5 7 7 7	Percent 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1928 1929 1930 1931 1932 1933 1934 1935 1936 1936 1937	Percent 7 8 8 41/2	Percent 7 7 7 7 7 7 334 2 2 2 14 16)4

¹ Par value \$100 a share.

PRINCIPAL STEEL PRODUCING AND FABRICATING SUBSIDIARIES OF THE UNITED STATES STEEL CORPORATION

A study was also made of the financial statements of the principal producing and fabricating subsidiaries of United States Steel Corporation for the period 1925 to 1938, inclusive. Eight of these companies produced substantially all of the raw, semifinished, and finished iron and steel products for sale of the total produced by the system. These companies are as follows:

American Sheet & Tin Plate Co. American Steel & Wire Co.

Carnegie-Illinois Steel Corporation.

Carnegie Steel Co. Illinois Steel Co.

Columbia Steel Co. National Tube Co.

Tennessee Coal, Iron & Railroad Co.

At December 31, 1938, the total investments of these companies aggregated \$1,059,574,541. This aggregate investment accounts for substantially 60 percent of the investment of United States Steel Corporation, as a consolidated basis, in that year.

Table 31, which follows, shows the investment, profits and rate of return for each of the subsidiaries for each of the years 1925-38 on the basis of average

investment.

Table 31.—Summary of average investment, annual net income, and rates of return for the principal steel subsidiaries of the United States Steel Corporation, 1925-38

			1	,	
	Average	1938	1937	1936	1935
	٠.				
1	\$99, 732, 633 150, 421, 342 489, 965, 061 250, 244, 060	\$125, 162, 141 591, 138, 344	514, 068, 350	437, 139, 312	119, 671, 193 417, 514, 240
	145, 436, 508 52, 244, 224 177, 653, 773 92, 946, 370	42, 330, 199 56, 175, 771 164, 335, 273 80, 352, 161	71, 910, 182 54, 811, 912 166, 272, 123 78, 143, 014	95, 055, 776 52, 780, 107 172, 365, 514 76, 368, 523	155, 899, 870 51, 992, 559 189, 353, 301 88, 021, 287
14, 1,	059, 702, 374 004, 264, 455	1, 059, 193, 889	1, 008, 623, 884	1, 053, 343, 568	1, 110, 569, 703
	2, 121, 334 776, 064 1, 561, 796 5, 950, 417	1 21, 655, 462	34, 798, 351	85, 448	1 877, 034 1 6, 981, 153
	13, 532, 451 948, 703 8, 290, 997 2, 696, 028	833, 798 918, 826 2, 813, 836 1, 164, 043	2, 017, 531 3, 267, 237 15, 960, 633 7, 611, 874	1, 549, 849 3, 284, 276 9, 490, 427 2, 877, 431	5, 667, 991 1, 899, 877 2, 898, 932 2, 124, 801
	453, 883, 253 32, 420, 232	1 24, 145, 838	64, 140, 535	17, 730, 866	8, 200, 370
				,	
	2. 13 . 52	1 6.81	0.39	1.07 1.48	3. 93 1 . 73
	2, 38			. 02	
	1. 82 4. 67	1. 64 1. 71	5. 96 9. 60	6. 22 5. 51	3. 65 1. 53
					2. 41
	0. 20	a. 01	1	1.00	
	1934	1933	1932	1931	1930
	\$92, 988, 602 122, 494, 230	\$99, 125, 066 135, 879, 293	\$110, 393, 936 150, 733, 888	\$105, 703, 874 169, 223, 560	\$105, 849, 407 177, 275, 456
	21£,/214, 212 218, 470, 576 50, 645, 805 199, 870, 556 88, 352, 488	230, 558, 966 209, 645, 540 49, 981, 842 195, 801, 004 90, 237, 159	199, 506, 828 50, 265, 979	271, 342, 738 187, 509, 549 51, 451, 692 189, 977, 955 103, 381, 322	1.58, 850, 698
- 1					
	991, 036, 469	1, 011, 228, 870	1, 041, 828, 105	1, 078, 590, 690	1, 064, 534, 163
	991, 036, 469	1, 011, 228, 870	1, 041, 828, 105	1, 078, 590, 690	1, 064, 534, 163
	1 330, 262 2, 279, 852	1, 640, 434 1, 640, 434 1, 218, 300	1 1, 702, 347	1, 078, 590, 690 1 2, 876, 113 1 5, 497, 509	3, 357, 530
	1 330, 262	1, 640, 434	1 1, 702, 347 1 5, 944, 765 1 13, 494, 725 1 11 104 178	1 2, 876, 113	
The state of the s	14, 1,	Average \$99, 732, 633 150, 421, 342 489, 905, 001 250, 244, 006 145, 136, 508 52, 244, 224 177, 653, 73 92, 946, 370 14, 059, 702, 374 1, 044, 264, 455 2, 121, 334 776, 064 1, 561, 796 5, 950, 17 13, 552, 451 948, 703 8, 290, 988, 233 32, 420, 232 2, 13 2, 23 32 2, 38 9, 30 1, 82 2, 38 9, 30 1, 82 4, 67 2, 90 3, 23 1934 \$92, 988, 602 122, 194, 230\$92, 988, 602 122, 194, 230\$92, 988, 602 122, 194, 230\$92, 988, 602 122, 194, 230\$92, 988, 602 122, 194, 230\$97, 988, 602 122, 194, 230\$97, 988, 602 122, 194, 230\$97, 988, 602 122, 194, 230\$97, 988, 602 123, 194, 230\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602\$97, 988, 602	Average	Average 1938 1937 September September	\$99, 732, 633 150, 421, 342 489, 905, 061 591, 138, 344 514, 068, 350 145, 436, 508 42, 330, 199 71, 910, 182 95, 055, 776 52, 244, 224 56, 175, 771 54, 811, 912 52, 780, 171 776, 636, 773 164, 335, 273 166, 272, 123 177, 636, 773 164, 335, 273 164, 359, 364 1, 059, 702, 374 1, 059, 703, 374 1, 059, 050, 374 1, 059, 050, 374 1, 059, 050, 374 1, 059, 050, 374 1, 059, 050, 050 1, 07, 07, 07, 07,

¹ Denotes loss.

Table 31.—Summary of average investment, annual net income, and rates of neturn far the principal steel subsidiaries of the United States Steel Corporation, 1925-38—Continued

	193	4	1	933		1932		193	31		1	930	
RATES OF RETURN ON TOTAL INVESTMENT													
American Sheet & Tin Plate Co. (percent) American Sheet & Wire Co. (percent) Carnegie-Illinois Steel Corporation (percent)		0. 36 1. 86		1.65 1.90			. 68		1 2.			3. 1	
(percent). Carnegie Steel Co. (percent). Illinois Steel Co. (percent). Columbia Steel Co. (percent). National Tube Co. (percent). Tennessee Coal, Iron, & R. R. Co. (per-		2. 42 . 74 2. 07 . 55		1 5. 86 1 3 55 65 1 1 11		1 2	. 37 . 57 . 13 . 50		1 3. 1 4. 1 2. 1 2.	21 45		3, 8 10. 1 4. 4	$\frac{15}{24}$
cent)		. 22		1 4. 36		1 7	. 71		1 2.	94		2. 1	16
Average (percent)		1.50		1 2.60		1.4	. 37		1 3.	03		3.8	36
- AVERAGE INVESTMENT		192	9	192	8	1	927		1926	;		1925	=
American Sheet & Tin Plate Co American Steel & Wire Co Carnegie Illinois Steel Corporation	1	03, 91 75, 3 9	0, 085 3, 551	\$104, 96 169, 80	0, 477 0, 490	\$103. 170,	129, 30 230, 30	36 \$98 171	, 067. , 971.	, 979 , 533	996. 171,	792, 41 763, 63	12 38
Carnegie Steel Co Illinois Steel Co Columbia Steel Co	2		0, 264	268, 33 138, 68 169, 31	3, 638	143,	593, 1	56 140	, 658.	654	133,	321, 89 566, 18 807, 33	89
National Tube Co Tennessee Coal, Iron, & R R Co	Î			102, 13								720, 76	
Total	9	80, 51	1, 271	953, 23	6, 180	931,	728. 1	903	005	254	871,	972 16	66
NET INCOME													
American Sheet & Tin Plate Co American Steel & Wire Co Carnegie Illinois Steel Corporation		8, 62 11, 43	9, 6 86), 597	7, 22	7. 693 3, 738	3.	307, 2; 817, 60	5 6	697, 554,			150, 96 875, 46	
Carnegie Steel Co		40, 34 43, 48), 573	22, 38 35, 09	4, 919	32,	947, 61 735, 38	4 42	987, 376,	801	31.	708, 07 410, 70)7
National Tube Co		24, 66 6, 51	3, 977	12, 95 5, 21	1, 981 9, 743		205, 25 356, 08		, 530, , 603.			107, 75 130, 31	
Total	1	35, 06	0, 691	88, 04	2, 643	66,	369, 19	7 94	659,	877	72,	383, 28	32
RATES OF RETURN ON TOTAL INVESTME	NT					-							
American Sheet & Tin Plate Co. (percer American Steel & Wire Co. (percent) Carnegie Illinois Steel Corporation (perce			8. 30 6. 52		2. 07 4. 25		2. 5	10		1. 70 3. 81		5. 3 3. 4	
Carnegic Steel Co. (percent) Illinois Steel Co. (percent) Columbia Steel Co. (percent)			14. 48 30. 96		8. 34 27. 47		3. 5	0		5. 96). 13		1. 6 23. 5	
National Tube Co. (percent) Tennessee Coal, Iron & R. R. Co. (percent)			13. 98 6. 16		7. 65 5. 11		7. 9 7. 4			1 42 0.04		11. 4 8. 9	
Average (percent)			13. 77		9. 24		7. 1	2	1(). 48		8.3	10

¹ Denotes loss.

Table 31 shows that average rates of return for all companies for the period 1925 to 1938, inclusive, ranged from a low of 0.32 percent for Carnegie-Illinois Steel Corporation to a high of 9.30 percent for Illinois Steel Co. Without exception profits were realized by all companies in each of the years 1925 to 1930, inclusive. The lowest rate of return for all the companies during this 6-year period was 0.23 percent. This rate was earned by the American Steel & Wire Co. in 1930. The highest rate during the same period was realized by the Illinois Steel Co. which earned 30.96 percent in 1929.

Each of the companies operated at a loss for the years 1931 and 1932. The greatest percent of loss during this period was the 7.71-percent loss sustained by Tennessee Coal, Iron & Railroad Co. in 1932 and the lowest percent of loss was

1.68 percent sustained by American Sheet & Tin Plate Co. for 1932.

Moderate profits or small losses occurred intermittently during the years 1933 to 1938, inclusive. The greatest percentage of loss during this period was 6.81 percent. This loss was sustained by American Steel & Wire Co. in 1938. The largest rate of return in these later years was earned by the Tennessee Coal, Iron & Railroad Co., which realized 9.74 percent on its total investment in 1937.

The table shows that for all companies the most profitable years were those from 1925 to 1929, inclusive. During these years, profits for all companies ranged from 7.12 percent of total investment in 1927 to 13.77 percent of total investment in 1929. Following this period, the next most profitable year was in 1937 when all companies combined averaged 6.36 percent of total investment. The average rate of return for all companies throughout the entire period, 1925–38, was 3.23 percent. This compares with an average return of 3.66 percent

The average rate of return for all companies throughout the entire period, 1925-38, was 3.23 percent. This compares with an average return of 3.66 percent on total investment of United States Steel Corporation and subsidiarles, on a consolidated basis, during this period. For the sake of comparability, this average return for the system as a whole is based on investment including intangibles, since it was not practicable to eliminate intangibles from the investments of the subsidiaries. Excluding intangibles, the average return for the system during these years was 4.39 percent.

Attention should be called to the fact that intercompany profits have been eliminated in arriving at the average return for the system, but this was not feasible in arriving at the average return for the subsidiaries. However, it is believed that the validity of the above comparison of rates of return is not materially affected in view of the fact that the averages are based on the results of operations over a 14-year period.

The investments, profits, and rates of return for each principal producing and fabricating subsidiary for each of the years during the period 1925-38 are shown in greater detail below, together with a brief account of the history and business

of each company.

AMERICAN SHEET & TIN PLATE CO.

According to the report of the commissioner of corporations on the steel industry, American Sheet & Tin Plate Co. was organized in 1903 as an intercompany consolidation of American Sheet Steel Co. and American Tin Plate Co., two of the companies acquired by United States Steel Corporation at its formation in 1901. In June 1936 American Sheet & Tin Plate Co. was merged

with Carnegie-Illinois Steel Co.

The investments, profits, and rates of return for American Sheet & Tin Plate Co. for each of the years 1925–36, together with a summary of its income, expenses, and surplus for these years, are set forth in tables 32 and 33, which follow. Rates of return have been computed on the basis of total investment and stockholders' investment for each company and show that during the period an average return of 2.13 percent was earned on the total investment and 2.10 percent was earned on the stockholders' investment. Returns were highest in 1929 when 8.30 and 8.71 percent, respectively, was earned in that year. Returns were lowest in 1931 when losses were sustained equivalent to 2.72 and 2.92 percent, respectively, on the total investment and stockholders' investment.

³ Pt. 1, Report of Commissioner of Corporations on the Steel Industry, p. 275.

Table 32.—Summary of investments, profits, and rates of return for the American Sheet & Tin Plate Co., 1925-361

1931	\$24, 500, 000. 00 24, 500, 000. 00	44, 469, 845, 65 5, 892, 192, 40 3, 360, 733, 51	102, 722, 771. 56	105, 703, 874, 00 3 2, 876, 112, 87	102, 722, 771. 56 3, 360, 733. 51	99, 362, 038. 05	102, 233, 376. 00 \$ 2, 985, 112. 87 \$ 2. 92
1932	\$24, 500, 000. 00 24, 500, 000. 00	126, 124, 11 41, 269, 548, 31 6, 011, 292, 06 3, 658, 136, 68	100, 065, 101. 16	101, 393, 936. 00 ³ 1, 702, 347. 02 ³ 1. 68	100, 065, 101. 16 3, 658, 136. 68	96, 406, 964, 48	97, 884, 501. 00 ⁸ 1, 811, 347. 03 ⁸ 1. 85
1933	\$24, 500, 000.00 24, 500, 000.00	125, 071, 77 41, 075, 595, 52 6, 244, 240, 77 1, 740, 123, 52	98, 185, 031. 58	99, 125, 066. 00 1, 640, 433. 84 1. 65	98, 185, 031. 58 1, 740, 123. 52	96, 444, 908. 06	96, 425, 936. 00 1, 640, 433. 84 1. 70
1934	\$24, 500, 000. 00 24, 500, 000. 00	123, 868. 50 30, 702, 407. 28 6, 378, 175. 34 1, 587, 720. 46	. 87, 792, 171. 58	92, 988, 602, 00 ³ 330, 262, 30 ³ 30, 36	87, 792, 171. 58 1, 587, 720. 46	86, 204, 451. 12	91, 324, 680. 00. 3 330, 262. 30 8 0. 36
1935	\$25,000,176,95 24.5(0),000,00 70,862,57	487, 345, 57 22, 815, 495, 81 8, 513, 996, 76 6, 556, 096, 32 498, 361, 00	88, 442, 335, 01	88, 117, 253, 00 3, 466, 955, 62 3, 93	88, 442, 335. 01 6, 556, 096. 32	81, 886, 238. 69	84, 045, 345, 00 3, 445, 716, 25
1936 1	\$25,000,176.95 24,500,000.00 70.862.57	487, 345, 57 18, 376, 142, 52 2 648, 852, 24 35, 533, 155, 70 447, 104, 00	105, 033, 939. 55	96, 753, 137, 00 1, 036, 589 13	105, 063, 939, 55 35, 533, 155, 70	69, 530, 783, 85	75, 708, 511. 00 949, 750. 52 1. 25
Average			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$99, 732, 633, 00 2, 121, 334, 22 2 13	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	93, 355, 824. 00 1, 957, 102 24 2. 10
	Capital stock: Common Preferred Preferred Premium on common stock	Capital surplus Burplus Surplus and contingency reserves. Long-term debt Reserve for Federal income and profit tax.	Total investment.	Average of total investment Net income applicable to total investment Rate of return on total investment (percent)	Total myestment. Long-term debt	Stockholders' investment	Average of stockholders' investment. Net income applicable to stockholders' investment. Rate of return on stockholders' investment (percent)

1 As of June 1, 1936, the American Sheet & Tiu Plate Co. was absorbed by the Carnegie-Himous Steel Corporation. \$7.350(000) appropriated surplus transferred to depreciation reserve. \$1 Denoice loss.

TABLE 32.—Summary of investments, profits, and rates of return for the American Sheet & Tin Plate Co., 1925-36-Continued

1	1924		\$98, 592, 974. 66	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	98, 592, 974, 66 7, 811, 433, 58	90, 781, 541. 08	
		000 00 600, 00 362 40 428, 56 057, 80		412. 00 963. 25 5. 32	848. 76 057. 80	790.96 90	166. 00 968. 30 5. 28
	1925	\$24, 500, 21, 500, 28, 800, 6, 001, 2, 699, 491,	94, 991, 848, 76	96, 792, 412, 00 5, 150, 963, 25 5, 32	94, 991, 2, 699,	92, 292,	91, 537, 166. 00 4, 836, 968. 30 5. 28
(*)	1926	\$21,500,000,00 24,500,000,00 39,265,553,58 6,064,42,75 6,314,113,76 500,000,00	101, 144, 110, 09	98, 067, 979. 00 4, 607, 643. 54 4. 70	101, 144, 110. 09 6, 314, 113. 76	94, 829, 996. 33	93, 561, 394, 00 4, 368, 113, 25 4, 67
	1927	\$24, 500, 000, 00 24, 500, 000, 00 37, 432, 958, 47 6, 032, 067, 12, 529, 595, 89 10, 000, 00	105, 114, 621, 48	103, 129, 366. 00 307, 237. 36 0. 30	105, 114, 621. 48 12, 529, 595. 89	92, 585, 025, 59	93, 707, 511. 00 3 59, 504. 36 3 0. 06
0.000	1928	\$24, 500, 000, 00 24, 500, 000, 00 39, 970, 747, 89 6, 155, 531, 25 9, 539, 953, 41 140, 000, 00	104, 806, 332, 58	104, 960, 477, 00 2, 167, 693, 39 2. 07	104, 806, 332, 58 9, 539, 953, 44	95, 266, 379, 14	93, 925, 702, 00 1, 687, 891, 17 1, 80
מכנים כל וכנימו וה	1929	\$24, 500, 000 00 24, 500, 000 00 44, 018, 632, 68 6, 611, 199, 85 3, 284, 003, 92 650, 000, 00	103, 013, 838. 45	103, 910, 085, 00 8, 629, 686, 38 8, 30	103, 013, 838. 45 3, 284, 005. 92	99, 729, 832, 53	97, 498, 106, 00 8, 494, 019, 72 8, 71
project, and re	1930	\$24, 500, 000. 00 24, 560, 000. 00 49, 619, 096, 84 6, 021, 388, 82 3, 579, 485, 86 465, 000. 00	108, 684, 976. 02	105, 849, 407. 00 3, 357, 530. 35	108, 684, 976, 02 3, 579, 485, 36	105, 105, 490. 66	3, 248, 530. 35 3, 248, 530. 35 3. 17
ABBLE 02. Definition of a procedure recognition of the state of the recognition of the state of		Capital stock: Common Preference Premium on common stock Capital surplus Surplus Surplus and contingency reserves Long-term debt income and profit tax	Total investment	A verage of total investment. Net income applieable to total investment. Rate of return on total investment (percent).	Total investment Long-term debt	Stockholders' investment	Averge of stockholders' investment. Net income applicable to stockholders' investment. Rate of return on stockholders' investment (percent)

Table 33.—Summary of income, expense, and surplus for the American Sheet & Tin Plate Co., 1925-361

¹ As of June 1, 1936, the American Sheet & Tin Plate Co. was absorbed by the Carnegie-Illinois Steel Corporation.

² Denotes the Carnegie-Illinois Steel Corporation.

³ Denotes red figures.

Table 33.—Summary of income, expense, and surplus for the American Sheet & Tine Plate Co., 1925-36—Continued

	1930	1929	1928	1927	1926	1925
et sales	\$129, 396, 045, 00	\$177, 822, 921. 00	\$170, 257, 346.00	\$151, 983, 161.00	\$184, 805, 135.00	\$172, 774, 688.00
Cost of goods sold	116, 400, 246. 54 2, 223, 279. 00 7, 890, 441. 58	158, 382, 307. 62 2, 487, 954. 00 10, 035, 631. 78	158, 160, 725. 31 2, 254, 287. 00 8, 914, 129. 77	143, 225, 904. 19 1, 953, 691. 00 7, 016, 191. 01	171, 710, 357. 82 1, 998, 782. 00 7, 490, 377. 38	159, 531, 254. 41 1, 826, 269. 44 7, 068, 016. 73
Total operating expenses.	126, 513, 967. 12	170, 905, 893. 40	169, 329, 142. 08	152, 195, 786. 20	181, 199, 517. 20	168, 425, 540. 58
Net income from operations	2, 882, 077. 88 475, 452. 47	6, 917, 027. 60 1, 712, 658. 78	928, 203. 92 1, 239, 489. 47	¹ 212, 625, 20 519, 862, 56	3, 605, 716. 80 1, 002, 025. 74	4, 349, 147. 42 801, 815. 83
Net income applicable to total investment Less: Interest on long-term debt.	3, 357, 530. 35	8, 629, 686. 38 135, 666. 66	2, 167, 693. 39	307, 237. 36 366, 741. 72	4, 607, 643. 54 239, 530. 29	5, 150, 963. 25 313, 994. 95
Net income applicable to stockholders' investment. Less: Federal income and excess-profits tax	3, 248, 530. 35 465, 000. 00	8, 494, 019. 72 650, 000. 00	1, 687, 891. 17 140, 000. 00	2 59, 504. 36 100, 000. 00	4, 368, 113. 25 500, 000. 00	4, 836, 968. 30 491, 000. 00
Net income for year.	2, 783, 530. 35 44, 018, 632. 68	7, 844, 019. 72 39, 970, 747. 89	1, 547, 891. 17 37, 432, 958. 47	159, 504. 36 39, 265, 553. 58	3, 686, 113. 25 36, 800, 362. 40	4, 345, 968. 30 35, 240, 083. 94
Total Less. Dividends	46, 802, 163. 03 4, 165, 000. 00	47, 814, 767. 61 6, 615, 000. 00	38, 980, 849. 64 1, 715, 000. 00	39, 106, 094. 22 2, 205, 000. 00	40, 668, 475. 65 2, 940, 000. 00	39, 586, 052. 24 2, 695, 000. 00
Total	42, 637, 163. 03	41, 199, 767. 61	37, 265, 849, 64	36, 901, 049, 22	37, 728, 475.65	36, 891, 052. 24
Additions or deductions: Adjustment of taxes (Federal) Transferred from special inventory reserve Other additions and deductions (net)	2, 445, 301. 44 4, 536, 632. 37	2, 818, 865. 07	2, 704, 898. 25	125, 447. 70 401, 125. 22 5, 336. 33	1, 537, 077. 93	3 90, 689. 84
Total additions and deductions	6, 981, 933. 81	2, 818, 865. 07	2, 704, 898. 25	531, 909. 25	1, 537, 077. 93	3 90, 689.84
Surplus at end of year	49, 619, 096. 84	44, 018, 632. 68	39, 970, 747. 89	37, 432, 958. 47	39, 265, 533, 58	36, 890, 362. 40

¹ Denotes loss. ³ Denotes red figures.

AMERICAN STEEL AND WIRE CO.

This company was organized in 1899 under the laws of New Jersey, and was one of the important acquisitions by United States Steel Corporation at its formation in 1901.

Plants of the American Steel & Wire Co. are located in Cleveland, Ohio; Donora, Pa.; Joliet, Ill.; Worcester, Mass.; Waukegan, Ill.; and Duluth, Minn. This subsidiary also has plants located at De Kalb, Ill.; Anderson, Ind.; Allentown and Rankin, Pa.; Jackson, Mich.; New Haven, Conn.; and Trenton, N. J. The company manufactures large quantities of coke, iron, wire rods, wire nails, wire fences, etc.

The details of investments, profits and rates of return on the basis of the total investment and stockholders' investment are presented for American Steel & Wire Co. for each of the years 1925-38, together with a summary of its income, expenses and surplus for these years in tables 34 and 35 immediately following. During the period 1925 to 1938, inclusive, the average rates of return on total investment and stockholder's investment were 0.52 percent and 0.53 percent, respectively.

Rates of return were highest on both classes of investment during 1929 when 6.52 percent and 6.55, respectively, were realized. Rates of return were lowest on both classes of investment during 1938 when losses 6.81 and 8.70, respectively, were sustained.

TABLE 34.—Summary of investments, profits, and rates of return for the American Steel & Wire Co., 1925-38

	Average	1938	1937	1936	1935	1934	1933	1932
Capital stock—common Capital stock—preferred Premium on common stock Surplus. Surplus.		494, 0000, 705, 342,	\$54, 494, 100.00 40,000,000.00 705,091.68 6,113,908.60 979,689.10	\$50, 513, 900. 00 40, 000, 000. 00 184, 793. 22 8, 429, 000. 06 1, 038, 969, 51	\$50, 513, 900, 00 40, 000, 000, 00 184, 793, 22 9, 074, 902, 50 12, 022, 140, 41	\$50, 000, 000. 00 40, 000, 000. 00 7, 337, 675. 67 13, 308, 973. 80	\$50, 000, 000. 00 40, 000, 000. 00 30, 586, 921. 62 13, 754, 889. 41	\$50,000,000.00 40,000,000.00 32,218,752.81 13,697,022.08
Long-term debt		26, 900, 000. 00	27, 477, 154. 02	900, 000.	128, 695, 736, 13	110, 646, 649. 47	134, 341, 811. 03	137, 416, 774 89
t otal investment	\$150, 421, 341. 00 \$776, 064. 19	125, 162, 141. 00 1 8, 520, 879. 42	123, 418, 303. 00 484, 908, 54	122, 881, 199. 00 1 593, 153. 52	119, 671, 193. 00 1 877, 033. 86	122, 494, 230. 00 1 2, 279, 852. 38	135, 879, 293. 00 1 1, 218, 300. 16	150, 733, 888. 00 1 5, 944, 764. 64
Rate of return on total investment (percent)— Total investment Long-term debt.	0.52	\$120, 554, 338. 50 26, 900, 000. 00	0.39 \$129, 769, 943. 40 27, 477, 154. 02	\$117, 066, 662. 79 16, 900, 000. 00	\$128, 695, 736, 13 16, 900, 000. 00	\$110, 646, 649. 47	\$134, 341, 811. 03	\$137, 416, 774. 89 1, 501, 000. 00
Totalstockholders' investment	1 1 2 2 3 3 4 1 1 1 2 2 3 3 3 3 3 4 4 4 4 4 4 4 5 5 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	93, 654, 338. 50	102, 292, 789. 38	100, 166, 662. 79	111, 795, 736. 13	110, 646, 649, 47	134, 341, 811. 03	135, 915, 774. 89
Average of stockholders' investment	\$144, 623, 688. 00	97, 973, 564. 00	101, 229, 726. 00	105, 981, 199. 00	111, 221, 193. 00	122, 494, 230. 00	135, 128, 793. 00 1 1, 218, 300. 16	149, 195, 388. 00 1 5, 944, 764. 64
Rate of return on stockholders' investment (percent).	0.53	18.70	0.48	1 0. 56	1 0.79	11.86	1 0.90	1 3. 98

1924	000, 000, 000 000, 000, 00 947, 402, 53 796, 717, 73	120. 26 \$171, 076, 156. 98	638. 00 463. 75	3. 42	120. 26 171, 076, 156. 98	120. 26 171, 076, 156. 98	638. 00 463. 75 3. 42
1925	\$50, 40, 67, 13,	3. 42 172, 451, 120. 26	3. 00 171, 763, 638. 00 2. 36 5, 875, 463. 75	3.81	3. 42 \$172, 451, 120. 26	3. 42 172, 451, 120. 26	3. 00 171, 763, 638. 00 2. 36 5, 875, 463. 75 3. 81 3. 42
1926	0 \$50,000,000.00 8 66,679,022.20 8 14,162,874.22 0 650,000.00	6 171, 491, 946. 42	6 171, 971 533. 00 6, 554, 272. 36		6 \$171, 491, 946. 42	6 171, 491, 946. 42	6, 554, 27
1927	\$50,000,000.00 40,000,000.00 64,904,564.08 13,784,108.28	168, 968, 672, 36	170, 230, 309, 00 3, 817, 604, 86	2.24	\$168, 968, 672. 36	168, 968, 672. 36	3, 817, 604. 86 2. 24
1928	\$50,000,000.00 40,000,000.00 66,314,996.73 13,817,311.61 500,000.00	170, 632, 308, 34	169, 800, 490. 00 7, 223, 737. 88	4. 25	\$170, 632, 308. 34	170, 632, 308. 34	7, 223, 737. 88 4. 25
1929	\$50,000,000.00 40,000,000.00 73,773,967.06 13,964,827.49 1,716,000.00 700,000.00	180, 154, 794. 55	175, 393, 551. 00 11, 430 597. 41	6.52	\$180, 154, 794. 55 1, 716, 000. 00	178, 438, 794. 55	174, 535, 551, 00 11, 430, 597, 41 6, 55
1930	\$50,000,000.00 40,000,000.00 68,497,373.02 14,126,745,40 1,647,000.00	174, 396, 118. 42	177, 275, 456. 00 409, 806. 23	0.23	\$174, 396, 118. 42 1, 647, 000. 00	172, 749, 118, 42	324, 581, 23 0. 19
1931	\$50, 000, 000, 00 40, 000, 000, 00 58, 682, 062, 76 13, 792, 938, 43 1, 576, 000, 00	164, 051, 001. 19	169, 223, 560. 00 1 5, 497, 508, 44	-3.25	\$164, 051, 001. 19 1, 576, 000. 00	162, 475, 001. 19	167, 612, 060. 00 1 5, 497, 508. 44 1 3. 28
	Capital stock—common Capital stock—preferred Surplus Surplus and contingency reserves Long term debt Reserve for Federal income and profitstax	Total in vestment	Average of total investment Net income applicable to total investment	Rate of return on total investment (percent)	Total investment	Total stockholders' investment	Average of stockholders' investment. Net income applicable to stockholders' investment. Rate of return on stockholders' investment (percent)

1 Denotes loss.

Table 35.—Summary of income, expense, and surplus for the American Steel & Wire Co., 1925-38

1932	\$48, 062, 401. 00	44, 835, 072. 86 2, 564, 865. 75 7, 121, 407. 69	54, 521, 346. 30	1 6, 458, 945. 30 514, 180. 66	1 5, 944, 764. 64	1 5, 944, 764. 64	1 5, 944, 764. 64 58, 682, 062. 76	52, 737, 298. 12 2, 800, 000. 00	49, 937, 298. 12	113,812,603.31 189,289,81 14,045,907.50 149,324.31 17,718,645.31 32,218,732.81
1933	\$66, 231, 192, 00	58, 224, 838. 96 2, 798, 700. 34 7, 576, 661. 47	68, 600, 200. 77	1 2, 369, 008. 77 1, 150, 708. 61	1 1, 218, 300. 16	1 1, 218, 300. 16	1 1, 218, 300. 16 32, 218, 752. 81	31, 000, 452. 65	31, 000, 452. 65	1 462, 717. 23 46, 186. 20 1 413, 531. 03
1934	\$66, 965, 159. 00	59, 645, 685. 30 2, 499, 738. 00 8, 060, 222. 52	70, 205, 645, 82	1 3, 240, 486.82 960, 634.44	1 2, 279, 852. 38	1 2, 279, 852. 38	1 2, 279, 852. 38 30, 586, 921. 62	28,307,069.24 2,800,000.00	25, 507, 069. 24	34, 328, 239, 45 300, 961. 14 213, 367, 702. 08 2112, 490, 90 218, 109, 393. 57 7, 337, 678. 67
1935	\$89, 713, 176. 00	78, 740, 443. 30 3, 345, 047. 07 9, 727, 949. 94	91, 813, 440. 31	1 2, 100, 264. 31 1, 223, 230. 45	1 877, 033.86	1 877, 033. 86	1 877, 033. 86 7, 337, 675. 67	6, 460, 641.81	6, 460, 641.81	11, 170, 10 2821, 257, 38 20, 357, 28 4, 074, 977, 35 4, 074, 977, 35 2, 614, 260, 69 9, 074, 902, 50
1936	\$109, 942, 791. 00	96, 687, 729. 00 5, 511, 477. 82 9, 672, 487. 40	111, 871, 694. 22	1 1, 928, 903. 22 1, 335, 749. 70	1 593, 153. 52	1 593, 153, 52	1 593, 153. 52 9, 074, 902. 50	8, 481, 748. 98	8, 481, 748. 98	2 52, 748, 92 1 52, 748, 92 8, 429, 000, 06
1937	\$130, 632, 155. 00	114, 599, 710.33 5, 330, 554. 21 11, 329, 881. 12	131, 260, 145. 66	1 627, 990. 66 1, 112, 899. 20	484, 908. 54	484, 908. 54	484, 908. 54 8, 429, 000. 06	8, 913, 908. 60 2, 800, 000. 00	6, 113, 908. 60	6, 113, 908. 60
1938	\$81, 514, 890.02	74, 514, 212. 83 3, 926, 609. 49 12, 066, 307. 39	90, 507, 129. 71	1 8, 992, 239. 69 471, 360. 27	1 8, 520, 879. 42	1 8, 520, 879. 42	1 8, 520, 879. 42 6, 113, 908. 60	1 2, 406, 970. 82	1 2, 406, 970. 82	520, 106, 08 520, 106, 08 520, 106, 08
Total	\$1, 510, 744, 439. 02	1, 329, 965, 928. 60 46, 207, 466. 44 143, 929, 360. 88	1, 520, 102, 755. 92	1 9, 358, 316. 90 20, 223, 215. 51	10, 864, 898. 61 85, 225. 00	10, 779, 673. 61 2, 962, 000. 00	7, 817, 673. 61 66, 812, 415. 18	74, 630, 088. 79 53, 000, 000, 00	21, 630, 088. 79	2 17, 649, 261, 70 15, 528, 478, 13 2, 673, 460, 14 2, 981, 113, 90 3, 367, 702, 08 4, 074, 977, 36 30, 534, 977, 36 30, 534, 977, 36 2, 747, 044, 63 2, 747, 044, 63
	Net sales or net receipts	Cost of goods sold	Total	Net operating profitOther income	Net income applicable to total ln- vestment.	Net income applicable to stock- holders' investment. Less provision for Federal income and profit tax.	Net income for yearSurplus at beginning of year	Total Less dividends	Total	Adjustment of depreciation, amortization, and depletion, and depletion, and depletion, and depletion, and depletion profit of loss on sale or retirement of capital assets. Adjustment of write-offs. Adjustment of taxes. Write-off of intangibles. Transfers from appropriated surplus. Farst of untangibles. Transfers to autplus invested in property. Farty. Transfers of the adjustments. Transfers of the adjustments. Farst of the adjustments.

	1931	1930	1929	1928	1927	1926	1925
Net sales or net receipts.	\$74, 674, 442.00	\$109, 137, 220. 00	\$151,093.759.00	\$146,019,798.00	\$139, 026, 169. 00	\$148, 294, 751.00	\$149, 436, 536. 00
Cost of goods sold Depreciation and depletion Distribution and administrative expenses.	70, 294, 334. 16 2, 584, 096. 73 8, 058, 407. 92	96, 651, 490. 25 2, 950, 315. 43 10, 522, 036. 27	124, 692, 068. 38 3, 259, 075. 00 14, 431, 304. 86	2, 173, 906. 16 14, 380, 974. 35	124, 040, 025. 72 3, 274, 912. 05 10, 662, 634. 49	130, 185, 539. 33 3, 111, 509. 33 10, 515, 955. 72	132, 485, 938. 00 2, 876, 659. 06 9, 803, 129. 74
Total	80, 936, 838.81	110, 123, 841. 95	142, 382, 448. 24	140, 923, 720. 69	137, 977, 572. 26	143, 813, 004. 38	145, 165, 726. 80
Net operating profit Other income	1 6, 262, 396. 81	1 986, 621. 95 1, 396, 428. 18	8, 711, 310. 76 2, 719, 286. 65	5, 096, 077. 31 2, 127, 660. 57	1, 048, 596. 74 2, 769, 008. 12	4, 481, 746. 62 2, 072, 525. 74	4, 270, 809. 20 1, 604, 654. 55
Net income applicable to total investment.	1 5, 497, 508. 44	409, 806. 23 85, 225. 00	11, 430, 597. 41	7, 223, 737. 8°	3, 817, 604. 86	6, 554, 272. 36	5, 875, 463. 75
Net income applicable to stockholders' investment. Less provision for Federal income and profit tax.	1 5, 497, 508. 44	324, 581. 23 125, 000. 00	11, 430, 597. 41 700, 000. 00	7, 223, 737. 88 500, 000. 00	3, 817, 604. 86 280, 000. 00	6, 554, 272. 36 650, 000. 00	5, 875, 463. 70 707, 000. 05
Net income for year. Surplus at beginning of year.	1 5, 597, 508. 44 68, 497, 373. 02	199, 581. 23 73, 773, 967. 06	10, 730, 597. 41 66, 314, 996. 73	6, 723, 737. 88 64, 904, 564. 08	3, 537, 604. 86 66, 679, 072. 20	5, 904, 272. 36 67, 947, 402. 53	5, 168, 463. 75 66, 812, 415. 18
Total Less dividends.	62, 999, 864. 58 2, 800, 000. 00	73, 973, 548. 29 4, 800, 000. 00	77, 045, 594. 14 10, 300, 000. 00	71, 628, 301. 96 6, 800, 000. 00	70, 216, 677. 06 6, 800, 000. 00	73, 851, 674. 89 6, 800, 000. 00	71, 980, 878. 93 6, 300, 000. 00
Total	60, 199, 864. 58	69, 173, 548, 29	66, 745, 594. 14	64, 828, 301. 96	63, 416, 677. 06	67, 051, 674. 89	65, 680, 878. 93
Other net additions or deductons: Adjustment of depreciation, amortization, and deption. Profit or loss on sale or retirement of capital assets. Adjustment of taxes.	2 1, 515, 984. 67	2 648, 519.80	1 619, 865.80	480, 410, 96 2 589, 568, 67 1, 082, 166, 89 500, 634, 01	\$ 408, 741.08	1 404, 432.85	393, 570. 49 1, 645, 299. 32
Interest on tax adjustments. Transferred from special inventory reserve. Other	2 1, 817. 15	2 27, 655. 47	7, 396, 092. 73	2 76, 948. 42	1, 869, 628. 10	121, 830. 16	227, 653. 79
Total	2 1, 517, 801. 82	2 676, 175. 27	7, 028, 372, 92	2 1, 486, 694. 77	1, 487, 887. 02	2 372, 602. 69	2, 266, 523. 60
Surplus at end of year	58, 682, 062. 76	68, 497, 373. 02	73, 773, 967. 06	66, 314, 996. 73	64, 904, 564. 08	66, 679, 072. 20	67, 947, 402. 53

Denotes loss.
Denotes red figure.

CARNEGIE-ILLINOIS STEEL CORPORATION

During 1935 Carnegie Steel $C\sigma$ and the Illinois Steel $C\sigma$, two important subsidiaries of United States Steel Corporation, were brought into a single operating organization under the name of Carnegie-Illinois Steel Corporation. The principal iron and steel producing plants of the Illinois Steel $C\sigma$, were absorbed by the Carnegie-Illinois Steel Corporation. However, the Illinois Steel $C\sigma$, continued to operate as a separate corporate entity. A corporate merger as of June 1, 1936, united the American Steel & Tin Plate $C\sigma$, with the Carnegie-Illinois Steel $C\sigma$ -poration, the latter being the surviving corporation.

As of 1937 the plants of Carnegie-Illinois Steel Corporation had approximately 75 percent of the total rated pig-iron capacity and approximately 77 percent of the total rated annual steel-ingot capacity of the subsidiaries of the corporation. The more important manufacturing properties of this subsidiary are located at Gary, Ind.; South Chicago, Ill.; in an area near Pittsburgh, Pa.; and the Mahoning

Valley in Ohio.

There is set forth below tables 36 and 37 which summarize investments, income, expenses, profits, and rates of return based on the total investment and stock-holders' investment of the Carnegie-Illinois Steel Corporation for the years 1935

to 1938, inclusive.

The tables show that since 1935 Carnegie-Illinois Steel Corporation had only 1 year of profitable operations; namely, in 1937, when returns of 6.77 and 8.01 percent were earned, respectively, on the total investment and stockholders' investment. It will be noted that net profit applicable to total investment averaged only 0.32 percent for the 4 years, while a net loss equivalent to 0.11 percent was sustained on the stockholders' investment for the same years.

Table 36.—Summary of investments, profits, and rates of return for the Carnegie-Illinois Steel Corporation 1935–38

	Average	1938	1937	1936 1	1935
Capital stock—common Capital surplus Surplus Surplus and contingency re-		2 184, 972, 680, 82	\$93, 368, 000. 00 185, 037, 336. 28 79, 475, 156. 39	185, 046, 717. 53	153, 358, 670.00
Serves Long-term debt Reserve for Federal income			209, 323, 823. 26		
and profits taxes			4, 168, 000. 00		
Total investment		610,/904, 373. 34	571, 372, 315. 93	456, 764, 384. 82	417, 514, 239. 88
A verage of total investment	\$489, 965, 062. 00	591, 138, 344. 00	514, 068, 350. 00	437, 139, 312. 00	417, 514, 240. 00
Net income applicable to total investment		³ 21, 655, 461. 85	1, 1		
ment (percent) Total investment Long-term debt	0. 32 \$2,056,555,313. 97 686, 759, 616. 36			\$456,764,384.82	\$417,514,239.88
Total stockholders' investment	1, 369, 795, 697. 61	335, 204, 373. 34	362, 048, 492. 67	355, 813, 719. 68	316, 729, 111. 92
Average of stockholders' investment	340, 139, 517. 00	348, 626, 433. 00	358, 931, 106. 00	336, 271, 416, 00	316, 729, 111. 92
stockholders' investment Rate of return on stockhold-	³ 366, 551. 3 8	3 22, 847, 881. 12	28, 735, 675. 79	³ 45, 028. 52	³ 7, 308, 971, 60
ers' investment (percent)	3 0. 11	³ 6, 55	8. 01	3 0. 01	3 2.31

¹ As of June 1, 1936, the American Sheet & Tin Plate Co. was absorbed by the Carnegie-Illinois Co.
2 Includes the following amounts:
Capital surplus through merger and other sources \$98, 364, 726, 48
Capital contributions by stockholders 20, 662, 542, 40
Premium on capital stock 65, 899, 563, 69
Gapital increment surplus accrued prior to Mar. 1, 1913 45, 848, 25

⁸ Denotes loss.

Table 37.—Summary of income, expenses, and surplus for the Carnegie-Illinois Steel Corporation, 1935-38

		_			
	Total	1938	1937	1936	1935
Net sales	\$1, 418, 662, 229. 85	\$273, 230, 604. 85	\$596, 865, 209, 00	\$396, 533, 014. 00	\$152, 033, 402. 00
Less— Cost of goods sold Depreciation and de-	1, 244, 555, 867. 98				
pletion Distribution and ad- ministrative ex-	65, 974, 596. 78	19, 873, 659. 08	21, 895, 653. 40	17, 178, 706. 97	7, 026, 577. 33
penses and taxes	107, 818, 526. 28	27, 764, 852. 01	40, 400, 129. 26	27, 747, 844. 56	11, 905, 700. 45
Total operating expense.	1, 418, 348, 991. 04	296, 157, 244. 08	563, 723, 558. 49	398, 665, 760. 98	159, 802, 427, 49
Net income from opera- tions Other income	313, 238. 81 5, 933, 945. 58		33, 141, 650. 51 1, 656, 700. 80	1 2, 132, 746. 98 2, 218, 194. 96	1 7, 769, 025, 49 787, 872, 44
Net income applic-					
able to total investment Less interest on long-term	6, 247, 184. 39	1 21, 655, 461. 85	34, 798, 351. 31	85, 447. 98	1 6, 981, 153. 05
debt	7, 713, 389. 94	1, 192, 419. 37	6, 062, 675. 52	130, 476. 50	327, 818. 55
Net income applicable to stockholders' investment	1 1 466 205 55	1 22, 847, 881. 22	28, 735, 675. 79	1 45 028 52	1 7, 308, 971, 60
Less provision for Federal income and profits taxes.	4, 191, 000. 00		4, 168, 000. 00	23, 000. 00	
Net income Surplus at beginning of	1 5, 657, 205. 55	1 22, 847, 881. 22	24, 567, 675. 79	1 68, 028. 52	1 7, 308, 971. 60
year	21, 829, 413. 52	79, 475, 156. 39	77, 327, 298. 15	14, 520, 441. 92	21, 829, 413. 52
Total Less dividends	i6, 172, 207. 97 23, 342, 000. 00	56, 627, 275. 17	101, 894, 973. 94 23, 342, 000. 00	14, 452, 413. 40	14, 520, 441. 92
Total	1 7, 169, 792. 03	56, 627, 275. 17	78, 552, 973. 94	14, 452, 413. 40	
Other net additions or deductions:					
Transferred from ap- propriated surplus Transferred from	44, 385, 023. 56			44, 385, 023. 56	
American Sheet & TinOther	17, 596, 889. 32 1, 593, 571. 67	² 221, 582. 65	922, 182. 45	17, 596, 889. 32 892, 971. 87	
Total	63, 575, 484. 55	2 221, 582. 65	922, 182. 45	62, 874, 884. 75	
Surplus at end of year	56, 405, 692. 52	56, 405, 692. 52	79, 475, 156. 39	77, 327, 298. 15	14, 520, 441 92

Denotes loss.

CARNEGIE STEEL CO.

The Carnegie Co, of New Jersey was formed in March 1900, as a reorganization and merger of the various Carnegie interests and the H. C. Frick Coke Co. On April 1, 1903, the Carnegie Co. of New Jersey, the National Steel Co., and the American Steel Hoop Co., which had been acquired by United States Steel Corporation at its formation in 1901, were merged to form the Carnegie Steel Co. In 1935 Carnegie Steel Co. and Illinois Steel Co. were merged under a single operating organization under the name of Carnegie-Illinois Steel Corporation.

Tables 38 and 39, set forth on the two following pages, summarize investments,

profits, and rates of return, based on total investment and stockholders' investment of the Carnegie Steel Co. for the years 1925 to 1934, inclusive.

Rates of return for the Carnegie Steel Co. averaged 2.38 and 1.81 percent, respectively, on total investment and stockholders' investment during the years 1925-34. Rates of return were highest on both classes of investment during 1929, when 14.48 and 17.26 percent, respectively, were realized; and returns were lowest during 1933, when losses of 5.86 and 9.47 percent were sustained on total investment and stockholders' investment, respectively.

Denotes red figures.

Report of the Commissioner of Corporations on the Steel Industry, pt., I, pp. 85 and 273.

Table 38.—Summary of investments, profits, and rates of return for Carnegie Steel Co., 1925-341

TABLE 05.—Duning of meconically frequences	() ()	•				
	Average	1934	1933	1932	1931	1930
Capital stock. Capital surplus. Burplus and contingency reserves. Long-term debt.		\$65, 250, 000. 00 16, 959, 021. 70 55, 302, 204. 95 16, 491, 454. 25 60, 091, 363. 28	\$65, 250, 000, 00 16, 959, 021, 70 63, 225, 336, 79 16, 808, 14 60, 091, 363, 28	\$65, 250, 000, 00 16, 959, 021, 70 85, 927, 171, 13 10, 655, 995, 60 60, 091, 363, 28	\$65, 250, 000, 00 16, 959, 021. 70 111, 988, 863. 57 9, 814, 395, 30 60, 091, 363. 28	\$65, 250, 000. 00 16, 959, 021. 70 125, 213, 204. 79 10, 148, 241. 85 60, 091, 363. 28
Reserve for Federal income and prome caxes		214, 094, 044. 18	222, 334, 379. 91	238, 783, 551. 71	264, 103, 643. 85	278, 581, 831. 65
A verage of total investment Net income applicable to total investment Net income applicable investment forecent	\$250, 244, 060. 00 \$5, 950, 417. 10 2. 38	218, 214, 212. 00 2 5, 275, 063. 29 2 2. 42	230, 558, 966. 00 2 13, 517, 324. 15 2 5. 86	251, 443, 598. 00 213, 494, 724. 53 25. 37	271, 342, 738. 00 2 8, 192, 574. 23 2 3, 192, 574. 23	279, 533, 053. 00 10, 611, 144. 17 3. 80
Kate of return on total investment typically		\$214, 094, 044. 18 60, 091, 363. 28	\$222, 334, 379. 91 60, 091, 363. 28	\$238, 783, 551. 71 60, 091, 363. 28	\$264, 103, 643. 85 60, 091, 363. 28	\$278, 581, 831. 65 60, 091, 363. 28
LOBE LET III UCOL		154, 002, 680. 90	162, 243, 016. 63	178, 692, 188. 43	204, 012, 280. 57	218, 490, 468. 37
s'investment ment (percent)	\$194, 544, 278.00 \$3, 530, 773.66	158, 122, 849, 00 2 7, 898, 131. 84 2 4, 99	170, 467, 603. 00 2 16, 140, 392. 70 2 9. 47	191, 352, 234, 00 2 16, 117, 793, 08	211, 251, 374, 00 2 10, 815, 642, 78 3 5, 12	219, 441, 689. 00 7, 988, 075. 62 3. 64

					i	
	1929	1928	1927	1926	1925	1924
Capital stock Capital surplus Surplus Surplus and contingency reserves. Long-term debt Reserve for Federal income and profit taxes	\$65, 250, 000, 00 16, 959, 021, 70 110, 262, 943, 61 25, 690, 945, 13 60, 091, 363, 28 2, 230, 000, 00	\$65, 250, 000, 00 16, 959, 021, 70 104, 354, 686, 24 28, 583, 683, 56 60, 091, 363, 28 1, 500, 000, 00	\$65, 250, 000. 00 16, 959, 021. 70 86, 866, 838. 87 28, 385, 130. 27 61, 829, 700. 63 650, 000. 00	\$65, 250, 000. 00 16, 959, 021. 70 79, 593, 558. 46 29, 305, 398. 23 45, 829, 700. 63 1, 576, 063. 29	\$65, 250, 000. 0 0 16, 959, 021. 70 69, 032, 285, 43 33, 497, 647. 79 45, 829, 700. 63	
Total investment.	280, 484, 273. 72	276, 738, 753. 78	259, 940, 747. 47	238, 513, 742, 31	231, 181, 655. 55	\$209, 462, 001. 23
Average of total investment. Not income applicable to total investment. Rate of return on total investment (percent).	278, 611, 514. 00 40, 345, 454. 61 14. 48	268, 339, 751. 00 22, 384, 539. 20 8. 34	249, 227, 245. 00 8, 947, 612. 37 3. 59	234, 847, 699. 00 13, 987, 031. 69 5. 96	220, 321, 828. 00 3, 708, 075. 22 1. 68	
	\$280, 484, 273. 72 60, 091, 363. 28	\$276, 738, 753. 78 60, 091, 363. 28	\$259, 940, 747. 47 61, 829, 700. 63	\$238, 513, 742. 31 45, 829, 700. 63	\$231, 181, 655. 55 45, 829, 700. 63	\$209, 462, 001. 23 25, 829, 700. 63
Total stockholders' investment	220, 392, 910. 44	216,647,390.50	198, 111, 046, 84	192, 684, 041. 68	185, 351, 954. 92	183, 632, 300. 60
Avorage of stockholders' investment. Net income applicable to stockholders' investment. Rate of return on stockholders' investment (percent).	218, 520, 150. 00 37, 722, 386. 06 17. 26	207, 379, 219. 00 19, 725, 255. 30 9. 51	195, 397, 544, 00 6, 729, 215, 95 3, 44	189, 017, 998. 00 11, 970, 539. 54 6. 33	184, 492, 128. 00 2, 144, 224. 55 1. 16	

1 Results of operations for 1935 to 1938, inclusive, included in table for Carnegle-Illinois Steel Corporation.

1 Denotes I.ss.

Table 39.—Summary of income, expenses, and surplus for Carnegie Steel Co., 1925-341

	Total	1934	1933	1932	1931	1930
Net sales (or manufacturing receipts)	\$1, 936, 495, 635. 00	\$99, 998, 982. 00	\$82, 653, 665. 00	\$53, 445, 586.00	\$118, 753, 414.00	\$213,068,797.00
Less cost of goods sold (or operating expense) Depreciation and depletion Distribution and administrative expenses and taxes (computed)	1, 723, 432, 661. 78 68, 402, 736. 18 93, 754, 095. 69	92, 905, 191. 54 5, 029, 430. 62 7, 941, 605. 57	84, 889, 405. 76 5, 046, 170. 72 6, 680, 177. 25	55, 878, 575, 59 5, 122, 698, 47 6, 589, 612, 60	113, 330, 745, 07 5, 941, 456, 41 8, 674, 428, 24	186, 171, 209. 79 7, 732, 589. 29 10, 006, 523. 18
Total operating expense	1, 885, 589, 493. 65	105, 876, 227. 73	96, 615, 753. 73	67, 590, 886. 66	127, 955, 629, 72	203, 910, 322. 26
Net income from operations Other income	50, 906, 141. 35 8, 598, 029. 71	2 6, 877, 245. 73 602, 182. 44	² 13, 962, 088. 73 444, 764. 58	² 14, 145, 300. 66 650, 576. 13	. 29, 202, 215.72 1, 009, 641.49	9, 158, 474. 74 1, 452, 669. 43
Net income applicable to total investment. Less interest on long-term debt.	59, 504, 171. 06 24, 196, 434. 44	2, 623, 068. 55	2, 623, 068, 55	2, 623, 068. 55	² 8, 192, 574. 23 2, 623, 068. 55	2, 623, 068. 55
Net income applicable to stockholders' investment Less provision for Federal income and profits taxes	35, 307, 736. 62 6, 763, 000. 00	2 7, 898, 131. 84	116, 140, 392. 70	2 16, 117, 793.08	1 10, 815, 642. 78	7, 988, 075. 62 920, 000. 00
Net income for year. Surplus at beginning of year.	28, 544, 736. 62 66, 986, 684. 43	2 7, 898, 131. 84 63, 225, 336. 79	² 16, 140, 392, 70 85, 827, 171, 13	² 16, 117, 793. 08 111, 988, 863. 57	² 10, 815, 642. 78 125, 213, 204. 79	7,068,075.62 110,262,943.61
Total Less dividends	95, 531, 421. 05 52, 200, 000. 00	55, 327, 204. 95	69, 686, 778. 43	95, 871, 070. 49	114, 397, 562. 01 1, 957, 500. 00	117, 331, 019. 23
Total	43, 331, 421. 05				112, 440, 062. 01	104, 281, 019. 23
Other net additions or deductions: Adjustment to depreciation provision Amortization on dismantled plants Inventory adjustments Interest accruals Adjustment and transfer of surplus intercos Employees' special compensation. Loss or gain on capital sasets Adjustment on Federal taxes. Other	123 060, 774, 99 5 552, 765. 06 16, 458, 513. 65 1 99, 776. 84 80, 573. 63 3 80, 107. 00 1 3, 808, 845. 93 1 77, 91, 898. 91 1 7, 91, 898. 91	3 25, 000.00	3 11, 784, 819, 94 5, 373, 378, 30	3 11, 275, 955, 05 1, 100, 537, 38, 76 1, 99, 766, 84 51, 898, 19	21,776,50 3380,107.00 392,867.94	20, 456. 34 5, 553, 753. 15
Total	11, 970, 783. 90	3 25, 000. 00	3 6, 461, 441. 64	3 10, 043, 899. 36.	3 451, 198. 44	20, 932, 185. 56
Surplus at end of year	55, 302, 204. 95	55, 302, 204. 95	63, 225, 336. 79	85, 827, 171. 13	111, 988, 863. 57	125, 213, 204. 79

	1929	1928	1927	1926	1925	
Net sales (or manufacturing receipts)	\$303, 240, 797.00	\$264, 938, 366. 00	\$244, 997, 187. 00	\$290, 505, 604. 00	\$264, 893, 237.00	
Less cost of goods sold (or operating expense). Depreciation and depletion. Distribution and administration expenses and taxes (computed).	243, 635, 440. 03 9, 338, 115. 07 11, 357, 244. 42	224, 112, 545, 41 8, 571, 729, 05 10, 669, 121, 84	219, 050, 279, 34 7, 634, 527, 49 10, 060, 114, 70	257, 282, 254, 82 7, 230, 668, 10 12, 783, 151, 27	246, 168, 014. 43 6, 754, 330. 96 8, 992, 116. 62	
Total operating expense	264, 331, 799. 52	243, 353, 396, 30	236, 744, 921. 53	277, 296, 094. 19	261, 914, 462. 01	
Net income from operations.	38, 908, 997. 48 1, 436, 457. 13	21, 584, 969, 70	8, 252, 265, 47 695, 346, 90	13, 209, 509. 81	2, 978, 774. 99 729, 300. 23	
Net income applicable to total investment. Less interest on long-term debt.	40, 345, 454. 61 2, 623, 068, 55	22, 384, 539, 20 2, 659, 283, 90	8, 947, 612, 37 2, 218, 396, 42	13, 987, 031. 69 2, 016, 492. 15	3, 708, 075. 22 1, 563, 850. 67	
Net income applicable to stockholders' investment. Less provision for Federal income and profits taxes.	37, 722, 386. 06 2, 230, 000. 00	19, 725, 253. 30 1, 500, 000. 00	6, 729, 215. 95	11, 970, 539. 54	2, 144, 224. 55 613, 000. 00	
Net income for year. Surplus at beginning of year	35, 492, 386. 06 104, 354, 685. 24	18, 225, 255, 30 86, 866, 894. 87	6, 729, 215. 95 79, 593, 558. 46	10, 470, 539. 54 69, 032, 285. 43	1, 531, 224, 55 66, 986, 684, 43	
Total. Less dividends.	139, 847, 071, 30 32, 625, 000, 00	105, 092, 150. 17 4, 567, 500. 00	86, 322, 774. 41	79, 502, 824. 97	68, 517, 908. 98	
Total.	107, 222, 071. 30	100, 524, 650, 17	86, 322, 774. 41	79, 502, 824. 97	68, 517, 908. 98	
Other net additions or deductions: Adjustment to depreciation provision Amortization on dismanted plants Inventory adjustments. Interest accurals. Adjustment and transfer of surplus intereos Loss or gain on eaptiel assets. Adjustment on Pederal taxes. Adjustment to Pederal taxes.	38, 340. 79 5, 564, 288, 44 5, 566, 819, 96	3, 830, 035. 07	544, 120. 46	1 244, 557 49 1, 335, 290, 98	514,376.45	
Total	3, 040, 872.31	3, 830, 035. 07	544, 20.46	90, 733, 49	514, 376. 45	
Surplus at end of year	110, 262, 943. 61	104, 354, 685. 24	86, 866, 894. 87	79, 593, 558. 46	69, 032, 285, 43	
	-					

¹ Results of operations for 1935 to 1938, inclusive, included in table for Carnegle-Illinois Steel Corporation.
³ Denotes deduction.

ILLINOIS STEEL CO.

The Illinois Steel Co. was organized in 1889 as a consolidation of the North Chicago Rolling Mill Co. (with plants at North Chicago, South Chicago, and Milwaukee), the Union Steel Co., and certain property of the Joliet Steel Co. In 1935 the principal iron and steel producing plants of the Illinois Steel Co. were merged with the Carnegie Steel Co. to form the Carnegie-Illinois Steel Corporation.

*Tables 40 and 41, which follow, summarize the investment, profits, and rates of return based on the total investment and stockholders' investment for the

period 1925 to 1938, inclusive.

The operations of this company were more profitable during the period under review than for any other of the principal producing and fabricating subsidiaries of the Steel Corporation. During the years 1925–38, this company's net income was equivalent to 9.30 percent on the total investment and 13.84 percent on the stockholders' investment. Exceptionally high returns were earned in each of the years 1925–29. On the basis of total investment the returns during these years amounted to 23.52 percent in 1925; 30.13 percent in 1926; 22.80 percent in 1927; 27.47 percent in 1928 and 30.96 percent in 1929. Comparatively high returns were also earned in 1930. In that year 10.15 percent was earned on the total investment. However, on this basis of investment losses were sustained in 1931, 1932, and 1933, and only moderate profits were earned thereafter.

¹ Report of the Commissioner of Corporations on the Steel Industry pt. I, p. 120.

Table 40.—Summary of investments, profits, and rates of return for Illinois Steel Co., 1925-38

Capital stock (common) Appropriated surplus. Surplus. Surplus. Surplus. Surplus. Surplus. Surplus and contingency reserves. Long-term debt. Reserve for Federal income and profits taxes. Total investment. Total investment (percent) Total stockholders' investment (percent) Rate of return on total investment (percent) Rate of return on stockholders' investment Average of stockholders' investment (percent) Rate of return on stockholders' investment (percent) Rate of return on stockholders' investment (percent) Rate of return on stockholders' investment (percent) Reserve for Federal income and profits taxes Surplus and contingency reserves Long-term debt. Average (Deginning and end of year) Total investment Rate of return on total investment (percent) Total investment Total investment Rate of return on stockholders' investment.
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1 Denotes loss.

Table 41.—Summary of income, expenses, and surplus for Illinois Steel Co., 1925-38

	Total	1938	1937	1936	1935	1934	1933	1932
Net sales:	\$1, 462, 969, 307. 47	\$7, 289, 72	\$9, 810, 611. 44	\$9, 466, 915. 75	\$75, 603, 747.00	\$75, 310, 967.00	\$57, 345, 831.00	\$35, 923, 256, 00
Less cost of goods sold Depreciation and depletion Distribution of administrative expenses and taxes	1, 161, 116, 010. 55 83, 795, 817. 24 82, 173, 359. 71	225, 211. 94 110, 188. 15	5, 903, 966. 49 2, 667, 193. 69	6, 120, 019. 91 1, 954, 775. 37	64, 952, 625. 93 6, 387, 462. 79 4, 887, 270. 74	68, 623, 760. 10 7, 653, 072. 45 3, 982, 320. 55	55, 402, 019, 42 6, 682, 101, 77 4, 411, 019, 69	34, 859, 265. 03 5, 046, 745. 56 9, 465, 793. 60
Total	1, 327, 085, 187, 50	335, 400.09	8, 571, 160. 18	8, 074, 795. 28	76, 227, 359. 46	80, 259, 143. 10	66, 495, 140.88	49, 371, 804. 16
Net income from operations.	135, 884, 119. 97 53, 570, 193. 54	1342, 689.81 1,176,488.03	1, 239, 451. 26	1, 392, 120. 47	1 623, 612. 46 6, 291, 603. 48	1 4, 948, 176. 10 6, 560, 414. 40	1 9, 149, 309. 88 1, 698, 009. 04	113, 448, 548, 16 2, 344, 370. 31
Net income applicable to total investment.	189, 454, 313, 51 30, 464, 652, 83	833, 798. 22 832, 500. 00	2, 017, 531, 32 2, 017, 531, 32	1, 549, 8 '8. 64 1, 549, 848. 64	5, 667, 991. 02 1, 445, 387. 29	1, 612, 238, 30 2, 829, 898, 70	1 7, 451, 300. 84 2, 904, 943. 22	111, 104, 177. 85 2, 915, 861. 62
Net income applicable to stockholders' investment	158, 989, 660. 68 13, 952, 000. 00	1, 298. 22			4, 222, 603. 73	1 1, 217, 660. 40	1 10, 356, 244. 06	114, 020, 039. 47
Net urome for year. Surplus at beginning of year.	145, 037, 660. 68 34, 920, 457. 33	1, 298. 22 464, 608. 00			4, 222, 603. 73 42, 604, 705. 79	11,217,660.40	1 10, 356, 244.06 49, 526, 734. 20	114,020,039.47
Total. Less dividends.	179, 958, 118. 01	465, 906. 22 1,305,806.86			46, 827, 309, 52 33, 466, 880, 55	42,066,687.92	39, 170, 490. 14	49, 872, 421. 52
Total,	27,749,489.40	2839, 906. 64			13, 360, 428. 97	"42, 066, 687. 92	39, 170, 490. 14	49, 872, 421. 52
Other net additions or deductions: Transfer of contingent reserve Transfer of operating reserve, hospital and fire ingurance Adjustment for Federal faxes. Adjustment for Federal faxes.	1, 623, 977. 60 1, 527, 035. 64 7, 246, 142. 18 4, 945, 909, 39	580, 582. 37	618, 658. 04		424, 737, 19 103, 662, 46 2 183, 568, 43 3 093, 383, 34		2 401 880 66	400,000.00
Transfer to surplus appropriated for and inventory in capital expenditures. Adjustment of county taxes. A dinstraint of amortizations	2 16, 906, 149. 42 731, 281. 60 838, 055, 77	1	1		2 16, 906, 149. 42 107, 505. 89	523, 456. 90 14, 560, 97	893 494 80	
Adjustment of depreciation. Adjustment of investments. Adjustment of eapital stock. Adjustment of interest	2 4, 261, 940. 42 5, 285, 179. 14 2 67, 378. 00 2 296. 651. 52						2 4, 261, 940. 42 5, 285, 179. 14 2 67, 378. 00	2 296, 651, 52
Adjustment of inventory reserve	563.	2 87, 030. 53	2 154, 050.04				9 P	
Total	8, 426, 513. 78	1,516,925.02	464, 608. 00		1 13, 360, 428. 97	538, 017. 87	4, 113. 858. 18	2 345, 687, 32
Surplus at end of year	677, 024. 38	677, 024. 38	464, 608.00			42, 604, 705. 79	43, 284, 348. 32	49, 526, 734, 20

1 Indicates deduction

	1931	1930	1929	1928	1927	1926	1925
Net sales.	\$77, 585, 867. 00	\$150, 756, 392. 00	\$214, 141, 232.00	\$196, 413, 029. 00	\$175, 117, 587.00	\$197, 879, 421.00	\$187,621,741.00
Less cost of goods sold Depreciation and depletion Distribution and administrative expenses and taxes	72, 702, 370. 37 7, 093, 427. 94 7, 933, 718. 70	124, 529, 855. 86 7, 426, 091. 07 7, 715, 956. 84	160, 265, 678. 18 7, 097, 231. 06 8, 901, 924. 24	149, 461, 261. 02 6, 709, 636. 74 8, 110, 338. 26	134, 665, 127. 44 6, 033, 949. 64 7, 248, 649. 76	147, 387, 270. 01 5, 870, 987. 68 7, 452, 659. 69	148, 266, 787, 19 5, 485, 912, 23 7, 301, 550, 43
Total	87, 759, 517.01	139, 671, 903. 77	176, 264, 833. 48	164, 281, 236.02	148, 007, 726.84	160, 710, 917. 38	161, 054, 249. 85
Net income from operations.	1 10, 173, 650. 01 2, 278, 687. 08	11, 084, 488. 23 5, 040, 445, 14	37, 876, 398. 52 5, 604, 174. 56	32, 131, 792. 98 5, 963, 156. 15	27, 109, 860. 16 5, 625, 523. 96	37, 168, 503. 62 5, 208, 297. 74	26, 567, 491, 15 4, 843, 215, 42
Net income applicable to total investment	1 7, 894, 962. 93 2, 378, 477. 46	16, 124, 933. 37 1, 089, 135. 00	43, 480, 573. 08 2, 132, 260. 00	38, 094, 949. 13 2, 560, 796. 56	32, 735, 384, 12 2, 580, 000, 00	42, 376, 801. 36 2, 580, 788. 52	31, 410, 706. 57 2, 647, 224. 50
Net income applicable to stockholders' investment	1 10, 273, 440. 39	15, 035, 798. 37 1, 200, 000. 00	41, 348, 313. 08	35, 534, 152, 57 2, 600, 000, 00	30, 155, 384. 12 1, 800, 000. 00	39, 796, 012. 84 3, 500, 000. 00	28, 763, 482. 07 2, 612, 000. 00
Net income for year	1 10, 273, 440. 39 74, 631, 898. 48	13, 835, 798. 37 61, 822, 170. 57	39, 108, 313. 08 50, 813, 747. 23	32, 934, 152. 57 49, 307, 648. 06	28, 355, 384, 12 50, 016, 805, 56	36, 296, 012. 84 38, 792, 220. 77	25, 151, 482. 07 34, 920, 457. 33
Total	64, 358, 458. 09	75, 657, 968. 94 10, 257, 830. 00	89, 922, 060. 31 30, 773, 490. 00	82, 241, 800. 63 30, 773, 490. 00	78, 372, 189. 68 30, 773, 490. 00	75, 088, 233. 61 27, 975, 900. 00	61, 071, 939. 40 22, 380, 720. 00
Total	64, 358, 458, 09	65, 400, 138. 94	59, 148, 570. 31	51, 468, 310. 63	47, 598, 699. 68	47, 112, 333. 61	38, 691, 219, 40
Other net additions or deductions: Transier of contingent reserve. Transier of operating reserve, hospital and fire insurance. Adjustment for Federal taxes Adjustment for surplus and surplus reserve. Transier to surplus appropriated for and invested in capital expenditures. Adjustment of county taxes. Adjustment of amortizations		1, 083, 196. 04	2, 673, 600. 26	2 654, 563.40	1, 389, 382, 39	2, 904, 471. 95	101, 001. 37
Adjustment of lags retained. Adjustment of laye estimats Adjustment of layestments Adjustment of investments Adjustment of interest the	1] (3
Adjustment of inventory reserve Miscellaneous	2 465, 997. 10	8, 148, 563. 50		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	319, 565. 99		0
Total	2 465, 997. 10	9, 231, 759. 54	2, 673, 600. 26	2 654, 563. 40	1, 708, 948. 38	2, 904, 471. 95	101, 001. 37
Surplus at end of year	63, 892, 460. 99	74, 631, 898. 48	61, 822, 170. 57	50, 813, 747. 23	49, 307, 648. 06	50, 016, 805. 56	38, 792, 220. 77

Indicates deduction.

2 Denotes red figures.

COLUMBIA STEEL CO.

This company was organized by the United States Steel Corporation in 1930, as the result of the purchase of the properties, assets, and business of the Columbia Steel Corporation. This latter corporation was incorporated in Delaware in 1922 for the purpose of carrying on a completely integrated steel business from ore to finished product. In return for the assets and business of the Columbia Steel Corporation valued at not less than \$41,370,000, the United States Steel Corporation issued 251,771 shares of common stock of \$100 par value per share. The market price of the stock so issued by the United States Steel Corporation reflects substantially the value of the properties acquired in this exchange.

reflects substantially the value of the properties acquired in this exchange.

The business and resources of the Columbia Steel Co. are located primarily in the Pacific coast region; its works being located at Ironton, Utah; and Pittsburg, Los Angeles, and San Francisco, Calif. It produces iron ore, steel ingots, castings, blooms billet, structural shapes, bars, rods, nails, fences, and other steel products.

Tables 42 and 43, immediately following, summarize investments, profits and rates of return on total investment and stockholders' investment for the period 1930 to 1938, inclusive.

Returns on the total investment and stockholders' investment average 1.79 and 1.81 percent, respectively, during the years 1930–38. On both basis of investment, returns were highest in 1936 and 1937 and lowest in 1931. For example, on the total investment, earnings in 1936 and 1937 were equivalent to 6.22 and 5.96 percent, respectively, and in 1932, losses were sustained equivalent to 2.45 percent.

Table 42.—Summary of investments, profits, and rates of return for the Columbia Steel Co., 1930 1-38

	Average	1938	1937	1936
Capital stock, common Premium on capital stock Surplus Surplus and contingency reserve		\$32, 000, 000. 00 19, 861, 886. 74 346, 970. 51 100, 294. 04	\$32,000,000.00 19,861,886.74 377,559.72 110,751.10	\$32, 000, 000 00 19, 861, 886, 74 186, 869, 31 122, 203, 41
Long-term debt_ Reserve for Federal income and profit tax		3, 000, 000. 00 136, 648. 09	4, 043, 364. 89 512, 180. 23	20, 000. 00 527, 121. 27
Total investment A verage of total investment Net income applicable to total investment	\$52, 244, 224. 00 \$934, 747. 20	55, 445, 799, 38 56, 175, 771, 00 918, 825, 52	56, 905, 742, 68 54, 811, 912, 00 3, 267, 237, 25	52, 718, 080, 73 52, 780, 107, 00 3, 284, 275, 91
Rate of return on total investment percent.	1.79	1,64	5. 96	6. 22
Total investment Long-term debt		\$55, 445, 799. 38 3, 000, 000. 00	\$56, 905, 742. 68 4, 043, 364. 89	\$52, 718, 080, 73 20, 000, 00
Total stockholders' investment Average of stockholders' investment Net income applicable to stockholders'	\$51, 583, 711. 00	52, 445, 799. 38 52, 654, 089. 00	52, 862, 377. 79 52, 780, 229. 00	52, 698, 080, 73 52, 755, 107, 00
investment Rate of return on stockholders' Investment percent	\$932, 036. 45 1. 81	768, 825. 52 1. 46	3, 267, 237. 25 6. 19	3, 284, 275. 91 6, 23
				,,,,,

¹July 1 to Dec. 31, 1930.

Table 42.—Summary of investments, profits, and rates of return for the Columbia Steel Co., 1930-38—Continued

	1935	1934	1933	1932
Capital stock, common Premium on capital stock Surplus Surplus and contingency reserve Long-term debt. Reserve for Federal income and profit	\$32, 000, 000, 00 19, 861, 886, 74 639, 425, 19 38, 972, 47 30, 000, 00	\$32, 000, 000. 00 19, 861, 886. 74 21, 012, 179. 87 49, 865. 01 38, 881. 74	\$32, 000, 000. 00 19, 861, 886. 74 3 1, 820, 585. 84 57, 325. 46 50, 000. 00	\$32, 000, 000. 00 19, 861, 886. 74 \$ 2, 143, 571. 57 36, 741. 56 60, 000. 00
tax	271, 849. 09	204, 529. 90		
Total investment Average of total investment Net income applicable to total invest-	52, 842, 133, 49 51, 992, 559, 00	51, 142, 983. 52 50, 645, 805. 00	50, 148, 626. 36 49, 981, 842. 00	49, 815, 056, 73 50, 265, 979, 69
Rate of return on total investment	1, 899, 876. 76	1, 047, 497. 25	327, 365. 26	2 1, 073, 031. 98
percent	3. 65	2.07	0.65	2 2. 13
Total investment Long-term debt	\$52, 842, 133, 49 30, 000, 00	\$51, 142, 983. 52 38, 881. 74	\$50, 148, 626. 36 50, 000, 00	\$49, 815, 056. 73 60, 000. 00
Total stockholders' investment Average of stockholders' investment Net income applicable to stockholders'	52, 812, 133, 49 51, 958, 117, 00	51, 104, 101. 78 50, 601, 364. 00	50, 098, 626, 36 49, 926, 841, 00	49, 755, 056. 73 50, 199, 604. 00
investment	1, 899, 876. 76	1, 047, 497. 25	327, 365. 26	³ 1, 073, 031. 98
mentpercent_	3.66	2.07	0, 66	\$ 2.14
		1931	1 1930	1929
Capital stock, common Premium on capital stock Surplus. Surplus and contingency reserve Long-term debt Reserve for Federal income and profit to		\$32, 000, 000. 00 19, 861, 886. 74 2 1, 256, 494. 08 38, 758. 62 72, 750. 00	\$32,000,000.00 19,861,886.74 125,603.24 65,409.45 85,500.00 48,084.07	
Total investment Average of total investment Net income applicable to total investme Rate of return on total investment	nt	50, 716, 901, 28 51, 451, 692, 00 2 1, 259, 321, 14 2 2, 45	52, 186, 483, 50 52, 092, 352, 00 4 125, 603, 24 0, 48	³ 51, 998, 220: 81
Total investment		\$50, 716, 901. 28 72, 750. 00	\$5 2 188, 483, 50 85, 500, 00	\$51, 998, 220. 81 88, 250. 00
Total stockholders' investment Average of stockholders' investment Net income applicable to stockholders' Rate of return on stockholders' investm	investment	50, 644, 151, 28 51, 372, 567, 00 3 1, 259, 321, 14 3 2, 45	52, 100, 983, 50 52, 005, 477, 00 125, 603, 24 0, 48	51, 909, 970. 81

July 1 to Dec. 31, 1930.
 Denotes deduction.
 Investment July 1, 1930.
 Net income July 1 to Dec. 31, 1930.

Table 43.—Summary of income, expense, and surplus for the Columbia Steel Co., 1930^{1-38}

Net sales. \$155, 443, 581. 72 \$24, 974, 650. 72 \$31, 208, 252. 00 \$29,	1936
1460 30160	
70 044 070 40 00 400 00 401 00 00	411, 922. 00
Cost of goods sold 122, 344, 653. 49 20, 436, 224. 90 23, 451, 590. 47 22,	506, 318. 31
	739, 905. 88 970, 040. 60
Total operating expense 148, 115, 020. 47 24, 546, 559. 66 28, 011, 753. 83 26, Net operating profit. Net operating profit. 7, 328, 561. 25 428, 091. 06 3, 196, 498. 17 3, 196, 498. 17 Other income. 1, 084, 163. 58 490, 734. 46 70, 739. 08	216, 264, 79 195, 657, 21 88, 618, 70
Net income applicable to total investment. 8,412,724.83 918,825.52 3,267,237.25 3, Less interest on long term debt. 150,000.00	284, 275. 91
Net income applicable to stock-holders' investment	284, 275. 91
tax 1, 688, 328. 58 136, 648. 09 512, 180. 23	527, 121. 27
	757, 154. 64 639, 425. 19
Total 6, 699, 999. 49 1, 009, 737. 15 2, 941, 926. 33 3, Less dividends 6, 480, 000. 00 720, 000. 00 2, 560, 000. 00 3,	396, 579. 83 200, 000. 00
Total 219, 999. 49 289, 737. 15 381, 926. 33 Net additions or deductions 2126, 971. 02 57, 233. 36 74, 366. 61	196, 579, 83 2 9, 710, 52
Surplus at end of year	186, 869. 31
1935 1934	1933
Net sales	802, 574. 00
Cost of goods sold 17, 753, 481, 99 11, 413, 955, 79 11, Distributive and administrative expense. 2, 194, 324, 72 1, 865, 887, 24 1, Depreciation and depletion. 903, 193, 00 849, 623, 80 1,	161, 742. 87 551, 329. 10 815, 398. 82
	528, 470, 79 274, 103, 21 53, 262, 05
Net income applicable to total investment	327, 365. 26
Net income applicable to stockholders' investment	325, 365. 26
Net income for year	327, 365. 26 143, 571. 57
Total 615,847.80 3,013,618.49 2,1,013,618.49	816, 206. 31
Total 615, 847. 80 21, 013, 618. 49 21, 13 additions or deductions 23, 577. 39 1, 438. 62	816, 206, 31 2 4, 379, 53
Surplus at end of year 639, 425, 19 21, 012, 179. 87 21,	820, 585, 84

¹July 1 to Dec. 31, 1930. ²Denotes deduction.

Table 43.—Summary of income, expense, and surplus for the Columbia Steel Co., 1930-38.—Continued

	1932	1931	1930 '
Net sales	\$7, 790, 743.00	\$10, 484, 089. 00	\$14, 249, 436. 00
Cost of goods sold Distributive and administrative expense Depreciation and depletion	6, 706, 252. 43 16, 46, 233. 92 616, 468. 15	8, 917, 084, 73 1, 997, 603, 30 949, 860, 33	12, 601, 560, 27 1, 129, 917, 14 475, 413, 58
Total operating expense Net operating profit Other income	8, 968, 954, 50 2 1, 178, 211, 50 105, 179, 52	11, 864, 548. 36 2 1, 380, 459. 36 121, 138. 22	14, 296, 890. 99 42, 545. 01 83, 058. 23
Net income applicable to total investment Less interest on long-term debt	² 1, 073, 031. 98	² 1, 259, 321. 14	125, 603. 24
Net income applicable to stockholders' investment. Less Federal income and excess profit tax	2 1, 073, 03 1. 98	1, 259, 321. 14	125, 603. 2-
Net Income for year Surplus at beginning of year	² 1, 073, 031. 98 ³ 1, 256, 494. 08	² 1, 259, 321, 14 125, 603, 24	125, 603. 24
TotalLess dividends	2 2, 329, 526. 06	² 1, 133, 717. 90	
Total Net additions or deductions	² 2, 329, 526. 06 185, 954. 49	² 1, 133, 717. 90 ² 122, 776. 18	
Surplus at end of year	2 2, 143, 571. 57	² 1, 256, 494. 08	125, 603. 2

July 1 to Dec. 31, 1930.

² Denotes deduction.

NATIONAL TUBE CO.

The National Tube Co. was organized in 1899 and commenced business on

July 1 of that year. It was acquired by the United Steel Corporation in 1901.

The principal plants of the National Tube Co. are located at Lorain, Ohio, and at McKeesport, Versailles, and Christy Park. Pa. The company produces large quantities of coke, iron, steel, ingots, tubular goods, and various other products.

Tables 44 and 45, which follow, summarize investments, profits, and rates of return based on the total investment and stockholders' investment for the period

1925 to 1938, inclusive.

The tables show that during the years 1925-38, rates of return on total investment and stockholders' investment were 4.67 and 5.62 percent, respectively. Again rates of return were highest in 1929 and lowest in 1932. In 1929 the company's net income was equivalent to 13.98 percent on the total investment and 16.96 percent on the stockholders' investment. During 1932 losses were sustained equivalent to 2.50 percent on the total investment and 3.38 percent on the stockholders' investment.

Table 44.—Summary of investments, profits, and rates of return for National Tube Co., 1925-88

	•							
	Average	1938	1937	1936	1935	1934	1933	1932
Capital stock: Common Preferred		\$45, 000, 000. 00 40, 000, 000. 00	\$45,000,000.00 40,000,000.00	\$45, 000, 000. 00 40, 000, 000. 00	\$45,000,000.00 40,000,000.00	888	888	888
Appropriated surplus. Capital surplus. Surplus. Surplus and contingency reserves.		13, 313, 503. 10 4, 287, 276. 60 844, 703. 21	13, 313, 503. 10 3, 834, 602. 88 743, 657. 30	13, 313, 503. 10 1, 872, 149. 95 545, 481. 55	2, 500, 000. 00 13, 313, 503. 10 16, 712, 126. 50 376, 401. 73	2, 300, 000, 00 13, 313, 503. 10 32, 576, 359. 29 233, 793. 98	2, 300, 500, 10 13, 313, 503, 10 35, 066, 176, 49 321, 926, 95	13, 313, 503. 10 42, 846, 621. 45 329, 127. 00
Reserve for Federal income and profit taxes Long term debt.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	57, 322, 304. 89	36	63, 000, 000, 00	62, 187, 507. 44	43.	64, 922, 443. 59	46, 488, 706. 25
otal investment	\$177, 653, 773. 00 8, 290, 996. 99 4. 67	160, 767, 787, 80 164, 335, 273, 00 2, 813, 836, 49 1, 71	167, 902, 758. 61 166, 272, 123. 00 15, 960, 633. 22 9. 60	164, 641, 487. 60 172, 365, 514. 00 9, 490, 426. 51 5. 51	180, 089, 538, 77 189, 353, 301, 00 2, 898, 932, 11 1, 53	198, 617, 061. 80 199, 870, 556. 00 109, 666. 27 0. 05	201, 124, 050. 13 195, 801, 004. 00 1 2, 169, 585. 98	190, 477, 957. 80 192, 450, 496. 00 1 4, 813, 939. 90 1 2. 50
	\$2.488,419,788.63 649,718,031.14	\$160, 767, 787. 80 57, 322, 304. 89	\$167, 902, 758. 61 63, 000, 000. 00	\$164, 641, 487. 60 63, 000, 000. 00	\$180, 089, 538. 77 62, 187, 507. 44	\$198, 617, 061. 80 64, 922, 443. 59	\$201, 124, 050. 13 64, 922, 443. 59	\$190, 477, 957. 80 46, 488, 706. 25
Total stockholders' investment	1,838,701,757.49 132,189,376.00	103, 445, 482. 91 104, 174, 121. 00	104, 902, 758. 61 103, 272, 123. 00	101, 641, 487. 60 109, 771, 759. 00	117, 902, 031. 33 125, 798, 325. 00	133, 694, 618. 21 134, 948, 112. 00	136, 201, 606. 54 140, 095, 429. 00	143, 989, 251. 55 145, 934, 593. 00
Net income applicable to stockholders' myest- ment	7, 429, 890. 80	491, 531. 60	12, 960, 633. 22	6, 490, 426. 51	711, 424. 67	1-1, 188, 782. 60	1 2, 293, 198. 72	1 4, 937, 552, 64
Rate of return on stockholders' luvestment percent.	5.62	0.47	12. 55	5.91	0.57	1 0.88	1 1.64	1 3.38

1924		\$158, 233, 848. 81	\$158, 233, 848. 81 30, 889, 367. 05	127, 344, 481. 76		
1925	\$45,000,000.00 2,000,000.00 2,500,000.00 13,313,503.10 27,546,873.61 863,923.59 29,776,056.82	159, 380, 810, 19 158, 807, 330, 00 18, 107, 755, 52 11, 40	\$159, 380, 810, 19 29, 776, 056, 82	129, 604, 753, 37 128, 474, 618, 00	18, 107, 755. 52	14.09
1926	\$45,000,000,00 40,000,000,00 13,313,503,10 32,481,034,68 1,750,000,00 1,750,000,00 29,681,328,75	165, 209, 854, 37 162, 295, 332, 00 18, 530, 276, 17	\$165, 209, 854. 37 29, 681, 328. 75	135, 528, 525, 62 132, 566, 639, 00	18, 530, 276. 17	13.98
1927	\$45, 000, 000, 00 40, 000, 000, 00 2, 500, 000, 00 13, 313, 503, 10 35, 010, 159, 96 565, 154, 86 1, 025, 000, 00 30, 158, 912, 97	167, 572, 730, 89 166, 391, 293, 00 13, 205, 277, 78 7, 94	\$167, 572, 730. 89 30, 158, 912. 97	137, 413, 817. 92 136, 471, 172. 00	13, 205, 277. 78	9.68
1928	\$45,000,000,00 40,000,000,00 2,500,000,00 37,764,520,87 756,224,10 1,000,000,00 30,744,525,43	171, 058, 773, 50 169, 315, 753, 00 12, 951, 981, 46 7, 65	\$171, 058, 773. 50 30, 744, 525. 43	140, 314, 248, 07 138, 864, 033, 00	12, 951, 981, 46	9.33
1929	\$45,000,000,00 40,000,000.00 2,500,000.00 47,554,051.85 622.706.70 1,405,000.00 31,205,805.27	181, 621, 066, 92 176, 339, 921. 00 24, 660, 403. 37 13. 98	\$181, 621, 066. 92 31, 205, 805. 27	150, 415, 261. 65 145, 364, 755. 00	24, 660, 403. 37	16.96
1930	\$45, 000, 000, 00 40, 000, 000, 00 2, 500, 000, 00 53, 333, 583, 10 53, 580, 714, 42 623, 762, 75 750, 000, 00 29, 764, 897, 18	185, 532, 877, 45 183, 576, 972, 00 8, 196, 784, 15 4, 47	\$185, 532, 877. 45 29, 764, 897. 18	155, 767, 980. 27 153, 091, 621. 00	8, 195, 781. 15	5, 35
1931	\$45,000,000,000 40,000,000,00 2,315,315,303,10 46,534,792,36 531,638,39 46,543,098.96	194, 423, 032. 80 189, 977, 955. 00 1 3, 868, 489. 26 1 2. 04	\$191, 423, 032. 80 46, 543, 098. 96	147, 879, 933. 84 151, 823, 957. 00	1 3, 868, 489. 26	1 2, 55
	Capital stock: Common Preferred A ppropriated surplus. Capital surplus Surplus and contingency reserves Long term debt	Total investment Average of investment Not income applicable to total investment Rate of return on total investment	Total investment Long-term debt	Total stockholders' investment	Net income applicable to stockholders' invest-, ment	Rate of return on stockholders' investment percent

1 Denotes loss.

Table 45.—Summary of income, expenses, and surplus for National Tube Co., 1925-38

1, 066, 618, 429, 83 47, 881, 155, 78 80, 313, 964, 88 41, 161, 600, 99 46, 356, 393, 99 42, 400, 566, 22 23, 706, 773, 884, 155, 78 80, 313, 964, 88 41, 161, 600, 99 46, 356, 393, 99 42, 400, 566, 22 23, 706, 773, 884, 155, 78 80, 313, 964, 88 41, 161, 600, 99 46, 356, 393, 99 42, 400, 566, 22 23, 706, 773, 874, 144, 146, 72 226, 221, 204, 10, 887, 483, 79 2, 813, 384, 602, 28 10, 605, 236, 104, 603, 104, 603, 104, 104, 104, 104, 104, 104, 104, 104		Total	1938	1937	1936	1	1934	1933	1932
expenses, and light sets, and compositions,	()	, 346, 619, 017. 69	\$59, 498, 014. 69	- 11	511, 559. 60	256, 034. 00	\$49, 299, 239, 00	\$33, 769, 604. 00	\$26, 773, 587, 00
cypenses; and 120, 354, C99. 06 5, 616, 214, O7 10, 095, 229, 00 5, 250, 410, 85 4, 278, 801, 87 1, 279, 84 1, 278, 84 1, 284, 104, 00 10 56, 697, 134, 48 1, 278, 810, 87 1, 495, 781, 68 5, 286, 582, 04 4, 498, 398, 1913, 61 2, 229, 821, 99 1, 200, 278, 278, 28 1, 290, 498, 11 1, 200, 682, 29 1, 229, 821, 99 1, 200, 291, 291, 291, 291, 291, 291, 291, 291	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, 080, 648, 429. 83 38, 684, 585. 16	47, 881, 155. 78 3, 416, 630. 25	80, 313, 964. 88 5, 287, 930. 00	64, 161. 600. 99 5, 083, 769. 82	46, 356, 393. 09 3, 231, 327. 38	42, 460, 562. 02 3, 106, 556. 85	29, 938, 265. 02 2, 925, 037. 80	24, 708, 266, 40 2, 390, 376, 96
106, 531, 918, 647, 104, 05 56, 914, 000. 10 56, 697, 134, 45 781, 56 56, 686, 582, 01 49, 498, 398, 19 36, 391, 412, 59 15, 180, 193, 1934, 193, 1934, 194, 194, 194, 194, 194, 194, 194, 19	- 1	120, 354, C89. 06	5, 616, 214. 07	10, 095, 239. 60	5,250,410.85	278, 861.	931, 279.	528, 109.	4, 855, 555. 76
106, 931, 913.64 2, 584, 014.59 15, 062, 789.52 9, 105, 777.34 2, 389, 451.96 36, 525.46 452, 222.61 1, 380, 104.04.27 2, 229, 821.90 2, 300, 000.00 2, 187, 507.44 1, 109, 666.47 1, 109, 66.49 1, 109, 66.49 1, 109, 66.49 1, 109, 66.49 1, 109, 69.18 1, 109, 69.19 1, 109, 69.19 1, 109, 69.19 1, 109, 69.19 1, 109, 69.19 1, 109, 69.19 1, 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	239, 687, 104.	56, 914, 000. 10	95, 697, 134. 48	74, 495, 781. 66	53, 866, 582, 04		391, 412.	31, 954, 199. 12
116, 073, 057, 917, 917, 918, 471, 23, 486, 68 2, 322, 304, 58 3, 000, 000, 000 2, 187, 517, 414 1, 285, 486, 68 1, 285, 486, 68 3, 000, 000, 000 1, 861, 053, 363 2, 26, 490, 428, 51 11, 424, 67 1, 1, 188, 782, 60 1, 293, 198, 72 1, 285, 486, 171, 424, 67 1, 1, 285, 486, 782 1, 283, 198, 72 1, 285, 100, 000 1, 872, 119, 95 1, 271, 129, 50 1, 270, 100 1, 100, 001, 000 1, 100, 001, 000 1, 1, 200, 100 1, 1, 200, 100 1, 1, 200, 100 1, 1, 200, 100 1, 1, 200, 100 1, 1, 200, 100 1, 250, 100 1	Net income from operationsincome	106, 931, 913. 64 9, 142, 044. 27	584, 014. 229, 821.	15, 062, 789. 52 897, 843. 70	015,	2, 389, 451. 96 509, 480. 15	1 199, 159, 19 308, 825, 46	1 2, 621, 808. 452, 222.	1 5, 180, 612. 12 366, 672. 22
bolders invest- 104, 018, 471. 23 491, 531. 60 12, 960, 633. 22 6, 490, 426. 51 771, 424. 67 1, 188, 782. 60 12, 293, 108, 72 10, 801, 421. 07 1, 184, 72. 60 1, 841, 632. 60 1, 841, 633. 63 1, 872, 119, 95 16, 712, 126. 50 35, 500, 744. 44 12, 293, 198, 72 113, 694, 466. 72 4, 245, 081. 88 12, 971, 729. 54 16, 792, 200, 01 33, 287, 783. 96 33, 80°, 432. 05 40, 553, 422. 73 10, 806, 000. 00 1, 800, 000, 0	Net income applicable to total investment	116, 073, 957. 91 12, 055, 486. 68	813, 836. 322, 304.	15, 960, 633, 22 3, 000, 000, 00	190, 426	898, 187,	109, 666. 27 1, 298, 448. 87	1 2, 169, 585. 123, 612.	1 4, 813, 939. 90 123, 612. 74
93, 217, 050, 16 23, 477, 416, 76 23, 477, 416, 76 23, 477, 416, 76 23, 477, 416, 76 23, 477, 416, 76 23, 477, 416, 76 23, 477, 416, 76 23, 477, 416, 72 24, 245, 081, 88 25, 477, 416, 72 24, 245, 081, 88 25, 477, 416, 72 25, 292, 200, 01 25, 800, 000 2	Net income applicable to stockholders' invest- ment. rovision for income and profits taxes.	104, 918, 471. 23 10, 801, 421. 07	491, 531. 60 81, 052. 60	12, 960, 633, 22 1, 861, 053, 53	6, 490, 426. 51 910, 353. 00	711, 424. 67	1 1, 188, 782. 60 70, 961. 84	293, 198.	1 4, 937, 552. 64
113, 694, 466, 72 4, 245, 081. 88 12, 971, 729, 54 22, 292, 200, 01 33, 287, 783, 96 33, 80°, 432. 05 40, 553, 422, 73 5 3 5 5, 500, 000. 00 5		93, 217, 050. 16 25, 477, 416. 56	410, 479. 834, 602.	11, 099, 579. 59 1, 872, 1:19. 95	580, 073. 712, 126.	711, 424. 576, 359.	11, 259, 744. 44 - 35, 066, 176. 49	1 2, 293, 198. 72 42, 846, 621. 45	1 4, 937, 552, 64 46, 534, 792, 36
56, 850, 000. 00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	118, 694, 466. 72	245, 081.	12, 971, 729, 54	22, 292, 200. 01	287, 783.	33, 80r, 432.05	422.	41, 597, 239. 72
tax, prior years 12,144, 466.72 4,245,081.88 3,821,729.54 16,792,200.01 33,287,783.96 38,506,432.05 40,553,422.73 tax, prior years 1,6,306,346.20 1,26,306,346.20 1,26,646,619.30 2,042,047.96 2,042,047.96 tax, prior years 1,230,072.76 1,230,072.76 1,230,072.76 1,7,499,019.84 tax, prior years 1,11,107.00 1,230,072.76 1,230,072.76 1,230,072.76 tax, prior years 1,10,616,329 1,12,873.34 1,14,835,835.36 1,15,666,16.30 1,12,800,072.76 tax, prior years 1,10,616,329,72 1,10,616,329,72 1,12,873.34 1,14,835,835.36 1,15,666,16.10 1,12,874.36 tax, 257,276,60 4,287,276,60 3,834,002.88 1,872,149.96 116,712,126.50 32,576,389.29 35,066,176.49		50, 850, 000. 00 35, 700, 000. 00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1, 350, 000, 00 7, 800, 000, 00	5, 500, 000. 00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2, 800, 000. 00
tax, prior years 19, 342, 524, 07 (a) 20, 072, 042, 042, 043, 043, 052, 043, 043, 043, 043, 043, 043, 043, 043	,	144, 466.			16, 792, 200. 01	33, 287, 783, 96	33, 806, 432. 05	422.	38, 797, 239. 72
	Other net additions and deductions: Supplus transfers. Interest adjustments. Adjustment for Federal income tax, prior years. Adjustments of investments. Loss or gain on capital assets. Additional compensation, employees. Depreciation adjustment. Miscellaneous. Total Surplus at end of year.	29, 342, 524, 07 478, 617, 23 5, 306, 346, 53 7, 700, 072, 76 56, 112, 29 147, 167, 00 10, 616, 329, 72 49, 480, 29 4, 287, 190, 12	42, 194. 42, 194. 287, 276	12, 873.34 12, 873.34 834, 602.88		70, 961. 84 70, 961. 84 16, 575, 657. 46 16, 772, 126. 50	2 1, 230, 072, 76		55, 112.99 -3, 994, 2:8.74 4, 049, 381, 73 42, 546, 621, 45

			-				
	1931	1930	1929	1928	1927	1926	1925
Net sales	\$61, 244, 965.00	\$114, 394, 118.00	\$145, 554, 671.00	\$137, 989, 396. 00	\$153, 799, 921. 00	\$171, 043, 752. 00	\$142, 724, 233.00
Cost of goods sold Depreciation and depletion. Distribution, administrative expenses, and taxes computed	55, 093, 554. 77 1, 835, 361. 78 8, 625, 290. 82	93, 523, 395, 59 2, 526, 786, 04 10, 929, 710, 36	106, 029, 322. 71 2, 179, 690. 49 14, 049, 407. 92	109, 393, 333, 74 1, 719, 975, 28 14, 896, 908, 29	125, 945, 260. 86 1, 583, 847. 10 13, 756, 014. 07	140, 494, 788. 99 1, 797, 956. 37 10, 893, 307. 91	114, 348, 564. 99 1, 599, 339. 04 9, 647, 778. 75
Total	65, 554, 207.37	106, 979, 891. 99	122, 258, 421. 12	126, 010, 217. 31	141, 285, 122. 03	153, 186, 053. 27	125, 595, 682. 78
Net income from operations.	1 4, 309, 242.37 440, 753.11	7, 414, 226. 01 782, 558. 14	23, 296, 249, 88 1, 364, 153, 49	11, 979, 178. 69 972, 802. 77	12, 514, 798. 97 690, 478. 81	17, 857, 698. 73 672, 577. 41	17, 128, 550. 22 979, 205. 30
Net income applicable to total investment.	13, 868, 489. 26	8, 196, 784.15	24, 660, 403. 37	12, 951, 981. 46	13, 205, 277. 78	18, 530, 276. 17	18, 107, 755. 52
Net income applieable to stockholders' investment.	1 3, 868, 489. 26	8, 196, 784. 15	24, 660, 403. 37 1, 405, 000. 00	12, 951, 981. 46 1, 000, 000. 00	13, 205, 277. 78 1, 025, 000. 00	18, 530, 276. 17 1, 750, 000. 00	18, 107, 755, 52 1, 948, 000, 00
Net income for year. Surplus at beginning of year.	1 3, 868, 489. 26 53, 580, 714. 42	7, 446, 784, 15	23, 255, 403, 37 37, 764, 520, 87	11, 951, 981. 46 35, 010, 159. 96	12, 180, 277. 78 32, 481, 034. 68	16, 780, 276. 17 27, 546, 873. 61	16, 159, 755, 52 25, 477, 416, 56
Total Tose dividunds.	49, 712, 225, 16	54, 990, 836. 00	61, 019, 924. 24	46, 962, 141. 42	44, 661, 312. 46	44, 327, 149. 78	41, 637, 172. 08
Cournol. Preferred.	2,800,000.00	4, 500, 000, 00 2, 800, 000, 00	11, 250, 000. 00 2, 800, 000. 00	6, 750, 000. 00 2, 800, 000. 00	6, 750, 000. 00 2, 800, 000. 00	9,000,000.00	11, 250, 000. 00 2, 800, 000. 00
Total	46, 912, 225, 16	47, 690, 836.00	46, 969, 924. 24	37, 412, 141. 42	35, 111, 312. 46	32, 527, 149. 78	27, 587, 172. 08
Other net additions and deductions: Surplus transfers. Interest adjustments. Adjustment for Federal Income tax, prior years Adjustment for Investments. Adjustment for preserve	2 230, 265. 80	4, 851, 162. 15	574, 127, 61	120, 181, 40	² 101, 152, 50		1
Amortization adjustment. Additional compensation, employees. Depreciation adjustment. Miscellaneous.	a 147, 167, 00	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 2 1 1 2 1 1 2 2 1 1 2 2 2 1 1 2	225, 234, 10 6, 963, 95	5 1 1 2 1 3 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2 46, 115. 10	2 40, 298. 47
Total	2 377, 432, 80	5, 889, 878, 42	574, 127. 61	352, 379, 45	2 101, 152, 50	2 46, 115. 10	2 40, 298. 47
Surplus at end of year	46, 534, 792. 36	53, 580, 714. 42	47, 544, 051.85	-37, 764, 520.87	35, 010, 159, 96	32, 481, 034. 68	27, 546, 873. 61

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1 Denotes loss.

f Denotes deduction.

TENNESSEE COAL, IRON & RAILROAD CO.

The Tennessee Coal, Iron & Railroad Co. was organized under the laws of Tennessee in 1860 as the Tennessee Coal & Railroad Co. and the name was changed to the present title in 1881. This is the leading concern in the southern iron and steel district and was acquired by the United States Steel Corporation in the latter

part of 1907.

The iron and steel producing and manufacturing plants of this subsidiary are all located near Birmingham, Ala. The company produces coke, iron, ferro-manganese, ingots, castings, rails, blooms, billets, plates, and bars. During 1938 a new 48-inch continuous hot strip mill and a complete new plant, with an estimated capacity for the annual production of 200,000 tons of cold reduced tin plate were added, including 4-high cold reduction mills with annealing, pickling, and tinning facilities.

Tables 46 and 47, which follow, summarize investments, profits and rates of return for Tennessee Coal, Iron & Railroad Co., based on the total investment and stockholders' investment for the period 1925 to 1938, inclusive.

This company's operations were profitable in all years during the period under review except for 1931 to 1934, inclusive. For all years, 1925-38, the average net income was equivalent to 2.90 and 2.63 percent, respectively, of the total investment and stockholders' investment. The most profitable year for this company was 1937 when earnings were equivalent to 9.74 percent on the total investment and 10.92 percent on the stockholders' investment. This was unusual as 1929 was the most profitable year for most of the other subsidiaries. However, as in the case of a number of the other subsidiaries, returns for this company were lowest in 1932, when losses were sustained equivalent to 7.71 percent on the total investment and 9.50 percent on the stockholders' investment.

Table 46.—Summary of investments, profits, and rates of return for the Tennessee Coal, Iron & Railroad Co., 1925-38

1932	\$248, 300, 00 32, 560, 997, 50 40, 650, 33 6, 508, 344, 88 12, 650, 000, 00	91, 830, 142. 71	96, 033, 380, 00 1 7, 399, 398, 89 1 7, 1	\$91, 830, 142. 71 12, 050, 000. 00	79, 780, 142. 71	83, 923, 810. 00	17, 969, 206. 26	1 9.50
1933	\$32, 560, 997, 50 35, 947, 176, 82 6, 000, 000, 00 14, 136, 000, 00	88, 644, 174. 32	90, 237, 159. 00 1 3, 931, 459. 02 1 4, 36	\$88, 644, 174. 32 14, 136, 000. 00	74, 508, 174, 32	77, 144, 158.00	1 4, 557, 395. 67	1 5. 91
1934	\$32, 560, 99° 50 29, 363, 803, 56 12, 000, 000, 00 14, 136, 000, 00	88, 060, 801. 06	88, 352, 488. 00 1, 197, 097. 66	\$88, 060, 801. 06 14, 136, 000. 00	73, 924, 801. 06	74, 216, 488. 00	1 437, 110. 68	1. 59
1935	\$32, 560, 997. 50 31, 284, 774. 89 14, 136, 000. 00	77, 981, 772. 39	88, 021, 287. 00 2, 124, 801. 32 2. 41	\$77, 981, 772. 39 14, 136, 000. 00	63, 845, 772, 39	68, 885, 287, 00	1, 494, 462. 15	2. 17
1936	\$32, 560, 997. 50 27, 767, 596. 17 14, 136, 000. 00 290, 680. 00	74, 755, 273. 67	76, 368, 523. 00 2, 877, 430. 73 3. 77	\$74, 755, 273. 67 14, 136, 000. 00	60, 619, 273. 67	62, 232, 523.00	2, 251, 789.07	3.62
1937	\$32, 560, 997, 50 4, 450, 600, 00 29, 455, 581, 03 14, 136, 600, 00 928, 175, 00	81, 530, 753. 53	78, 143, 014, 00 7, 611, 874, 23 9, 74	\$81, 530, 753. 53 14, 136, 000. 00	67, 394, 753. 53	64, 007, 013. 00	6, 990, 824. 23	10.92
1938	\$32, 528, 697. 50 4, 456, 000. 00 28, 668, 771. 29 13, 477, 000. 00 49, 100. 00	79, 173, 568. 79	80, 352, 161. 00 1, 164, 043. 29 1. 45	\$79, 173, 568. 79 13, 477, 000. 00	65, 696, 568. 79	66, 545, 661.00	547, 834. 96	.82
Average			\$92, 946, 370. 00 \$2, 696, 028. 00 2. 90			\$79, 605, 824. 00	\$2,097,302.00	2.63
	Capital stock—preferred Capital stock—common Capital surplus Surplus and contingency reserves Long-term debt. Reserve for Federal income and profit taxes	Total investment	Average of total investment. Net income applicable to total investment Rate of return on total investment (percent)	Total investment	Total stockholders' investment	Average of stockholders' investment	ment ment	(percent)

¹ Indicates loss.

of investments, profits, and rates of return for the Tennessee Coal, Iron & Railroad Co., 1925-38-Continued

10	000					0			
	1924		\$88, 620, 318. 01		\$88, 620, 318. 01 12, 600, 000. 00	76, 020, 318. 01			1 1 0 pp 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3	1925	\$688, 300, 00 32, 560, 997, 50 39, 469, 777, 96 6, 642, 144, 11 12, 553, 000, 00 907, 000, 00	92, 821, 219, 57	90, 720, 769. 00 8, 180. 316. 66 8. 96	\$92, 821, 219. 57 12, 553, 000. 00	80, 268, 219. 57	78, 144, 269. 00	7, 540, 272. 07	9.62
· · · · · · · · · · · · · · · · · · ·	1926	\$688, 300, 00 32, 560, 997. 50 42, 916, 849. 33 8, 038, 747. 07 12, 402, 000. 00 900, 000. 00	97, 506, 893. 90	95, 164, 057. 00 8, 603, 851. 67 9. 04	\$97, 506, 893. 90 12, 402, 000. 00	85, 104, 893, 90	82, 686, 557. 00	8, 019, 437. 50	9.70
they trove to	1927	\$688, 300, 00 32, 560, 997. 50 46, 654, 157. 84 8, 162, 236. 64 12, 271, 000, 00 470, 000, 00	100, 806, 691. 98	99, 156, 973. 00 7, 356, 081. 47 7. 42	\$100, 806, 691. 98 12, 271, 000. 00	88, 535, 691. 98	86, 820, 293. 00	6, 777, 253. 97	7.81
Territosoco Co	1928	\$688, 300, 00 32, 560, 997. 50 49, 419, 224. 06 8, 185, 928. 03 12, 251, 000, 00	103, 465, 449. 59	102, 136, 071. 00 5, 219, 743. 20 5. 11	\$103, 465, 449. 59 12, 251, 000. 00	91, 214, 449. 59	89, 875, 071. 00	4, 641, 193. 20	5.16
etarn jor ene	1929	\$688, 300, 00 32, 560, 997, 50 53, 628, 303, 02 8, 742, 922, 86 12, 186, 000, 00 386, 000, 00	108, 186, 423, 38	105, 825, 936. 00 6, 513, 977. 05 6. 16	\$108, 186, 423. 38 12, 186, 000. 00	96, 000, 423. 38	93, 607, 436. 00	5, 937, 586. 08	6.34
ana rates of r	1930	\$688, 300, 00 32, 560, 997, 50 54, 245, 321, 39 6, 689, 407, 46 12, 167, 000, 00 175, 000, 00	106, 526, 026. 35	2, 317, 073. 93 2, 317, 073. 93 2. 16	\$106, 526, 026. 35 12, 167, 000. 00	94, 359, 026, 35	95, 179, 712. 00	1, 741, 673. 79	1.83
ents, propus,	1931	\$688, 300. 00 32, 560, 997. 50 48, 219, 324. 19 6, 598, 855. 56 12, 169, 140. 00	100, 236, 617. 25	103, 381, 322, 00 1 3, 041, 039, 74 1 2, 94	\$100, 236, 617. 25 12, 169, 140. 00	88, 067, 477. 25	91, 213, 252. 00	1 3, 616, 389. 74	1 3.96
TABLE 46.—Summary of investments, profits, and rules of relating of the contessee cour, from a rules of relating		Capital stock—preferred Capital stock—common. Surplus and contingency reserve. Surplus and contingency reserve. Long-term debt. Reserve for Federal income and profit taxos.	Total investment	Average of total investment	Total investment	Total stockholders' investment.	Average of stockholders' investment	Net income applicable to stockholders' invest- ment	Rate of return on stockholders' investment (percent)

¹ Indicates loss.

TABLE 47.— Summary of income, expenses, and surplus for the Tennessee Coal, Iron & Railroad Co., 1925-38

TABLE 41.— Summary of moone, expenses, and salpins for me remissed cour, from a main out co., 1320-00	t of income, e	rpenses, and	sarpeas jor en	and a contract of	Jour, 11016 &	national Co.	, 1920-00	
	Total	1938	1937	1936	1935	1934	1933	1932
Net sales.	\$592, 020, 410. 53	\$49, 382, 116. 53	\$65, 399, 510.00	\$44, 207, 080.00	\$29, 066, 428. 00	\$25, 888, 087.00	\$19, 583, 379, 00	\$12, 676, 177 00
Less: Cost of goods sold (or operating expense)	448, 536, 604. 90 16, 840, 541. 28	36, 322, 864. 14 1, 636, 707. 13	46, 455, 229. 99 1, 931, 484. 26	32, 683, 582. 28 1, 802, 990. 12	22, 251, 473. 97 1, 049, 752. 46	19, 963, 248. 10 1, 089, 610. 27	16, 882, 301. 79 984, 581. 12	12, 669, 589 17 808, 725, 97
and taxes	102, 815, 138, 61	11, 286, 626. 82	10, 167, 887. 18	8, 347, 867. 19	5, 283, 647. 15	5, 459, 228, 68	6, 179, 049. 31	7, 195, 270, 20
Total operating expense	568, 192, 284. 79	49, 246, 198.09	58, 554, 601, 43	42, 834, 439. 59	28, 584, 873. 58	26, 512, 087, 05	24, 045, 932, 22	20, 673, 585, 34
Net income from operations.	23, 828, 125. 74 13, 916, 267. 82	135, 918. 44 1, 028, 124. 85	6, 844, 908. 57 766, 965. 66	1, 372, 640. 41 1, 504. 790. 32	481, 554, 42 1, 643, 246. 90	1 624, 000. 05 821, 097. 71	1 4, 462, 553. 22 531, 094. 20	1 7, 997, 408. 34 598, 009. 45
Net income applicable to total invest- ment.	37, 741, 393, 56 8, 382, 168, 89	1, 164, 043. 29 616, 208. 33	7, 611, 874, 23 621, 050, 00	2, 877, 430, 73 625, 641. 66	2, 124, 801. 32 630, 339. 17	197, 097. 66 634, 208. 34	1 3, 931, 459. 02 625, 936. 65	1 7, 399, 398. 89 569, 807. 37
Net income applicable to stockholders' investment	29, 362, 224. 67	547, 834. 96	6, 990, 824. 23	2, 251, 789. 07	1, 494, 462, 15	1 437, 110. 68	1 4, 557, 395. 67	1 7, 969, 206. 26
taxes.	4, 434, 975. 42	33, 500, 00	928, 175, 00	290, 680. 00				
Net income for year Surplus at beginning of year	24, 927, 249. 25 35, 325, 051. 16	514, 334, 96 29, 455, 581, 03	6, 062, 649. 23 27, 767, 596. 17	1, 961, 109. 07 31, 284, 774. 89	1, 494, 462, 15 29, 363, 803, 56	1 437, 110. 68 35, 947, 176. 82	1 4. 557, 395. 67 40, 462, 500. 33	17, 969, 206. 26 48, 219, 324. 19
Total Less dividends.	60, 252, 300. 41 29, 739, 330. 10	29, 969, 915, 99 1, 301, 144, 70	33, 830, 245. 40 4, 879, 292. 63	33, 245, 883. 96 1, 740, 281. 04	30, 858, 265. 71 3, 252, 841. 75	35, 510, 066. 14	35, 905, 104. 66	40, 250, 117. 93
Total	30, 512, 970. 31	28, 668, 771, 29	28, 950, 952, 77	31, 505, 602. 92	27, 605, 403, 96	35, 510, 066. 14	35, 905, 104, 66	40, 247, 533, 93
Other net additions and deductions: Capital to subsidiaries, as paid-in surplus Reserve for Tennessee Land Co	2 3, 200, 000. 00 2 507, 091. 79		1	2 3, 200, 000. 00 2 507, 091. 79	1 b 1 c 1 c 1 c 1 c 1 c 1 c 1 c 1 c 1 c 1 c	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
A distinct of surplus A distinct of surplus A distinct of amortization	2 378, 720, 38 1, 852, 534, 33	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		129, 000. 00	2, 887, 795.00	2 6, 000, 000. 00		
Adjustment of rental Adjustment of fire insurance Deferred rail replacements.	2 689, 078. 16 2 147, 414. 36 2 625, 000. 00				\$ 689, 078. 16	2 147, 414. 36		0 5 1 1 1 1 1 1 1 1 1
Adjustment of inventory	2, 332, 590. 90						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
¹ Denotes loss. ² Denotes red figures.								

Table 47.—Summary of income, expenses, and surplus for the Tennessee Coal, Iron & Railroad Co., 1925-35—Continued

	Total	1938	1937	1936	1935	1934	1933	1932
Other net additions and deductions—Con. Adjustment of Federal taxes. Adjustment of depreciation and depletion. Missellaneous.	\$3, 873, 483, 49 1 2, 975, 029, 97 552, 461, 68		\$504,628.26	\$150,914.96	1\$240, 664. 27	\$1, 151. 78	\$42,072.16	\$214,966.40
Total other net additions and deductions	1,844,199.02		504, 628. 26	13, 738, 006. 75	3, 679, 370. 93	16, 146, 262. 58	42, 072. 16	214, 966, 40
Surplus at end of year	28, 668, 771. 29	\$28, 668, 771. 29	29, 455, 581. 03	27, 767, 596. 17	31, 284, 774 89	29, 363, 803, 56	35, 947, 176. 82	40, 462, 500. 33
		1931	1930	1929	1928	1927	1926	1925
Net sales		\$29, 411, 906.00	\$39, 871, 654. 00	\$51, 127, 281. 00	\$48, 610, 569. 00	\$55, 195, 312. 00	\$65, 159, 072. 00	\$56, 441, 839.00
Less: Cost of goods sold (or operating expense) Depreciation and depletion. Distribution and administrative expense and taxes	1 taxes.	24, 772, 066. 51 815, 669. 00 7, 793, 776. 07	30, 018, 246. 44 964, 242. 00 7, 771, 299. 96	36, 172, 067, 31 1, 064, 197, 00 8, 696, 007, 74	35, 816, 580. 15 1, 132, 932. 00 7, 359, 890. 91	41, 337, 931. 32 1, 162, 833. 00 6, 225, 915. 70	50, 435, 502, 18 1, 175, 146, 00 5, 814, 378, 58	42, 755, 921. 55 1, 221, 670. 95 5, 234, 293. 12
Total operating expense		33, 381, 511. 58	38, 753, 788. 40	45, 932, 272. 05	44, 309, 403. 06	48, 726, 680.02	57, 425, 026. 76	49, 211, 885. 62
Net Income from operationsOther income	\$ 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3, 969, 605. 58 928, 565. 84	1, 117, 865. 60 1, 199, 208. 33	5, 195, 008. 95 1, 318, 968. 10	4, 301, 165. 94 918, 577. 26	6, 468, 631. 98 887, 449. 49	7, 734, 045. 24 869, 806. 43	7, 229, 953. 38
Net income applicable to total investment. Less interest on long-term debt		1 3, 041, 039. 74 575, 350. 00	2, 317, 073. 93 575, 400. 14	6, 513, 977. 05 576, 390. 97	5, 219, 743. 20 578, 550. 00	7, 356, 081. 47 578, 827. 50	8, 603, 851. 67 584, 414. 17	8, 130, 316. 66 590, 044. 59
Net income applicable to stockholders' investment. Less provision for Federal income and profit taxes	restment	1 3, 616, 389. 74	1, 741, 673. 79	5, 937, 586. 08	4, 641, 193. 20 360, 000. 00	6, 777, 253.97	8, 019, 437. 50	7, 540, 272. 07
Net income for yearSurplus at beginning of year	3 9 1 1 8 9 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1	1 3, 616, 389. 74 54, 245, 321. 39	1, 566, 673. 79 53, 628, 203. 02	5, 557, 586. 08 49, 419, 224. 06	4, 281, 193. 20 46, 654, 157. 84	6, 316, 633. 55 42, 916, 849. 33	7, 119, 437. 50 39, 469, 777. 96	6, 633, 272. 07 35, 325, 051. 16
Total Less dividends.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50, 628, 931. 65 2, 279, 587. 23	55, 194, 876. 81 2, 604, 873. 40	54, 976, 810. 14 3, 256, 091. 75	50, 935, 351. 04 2, 604, 873. 40	49, 233, 482. 88 2, 604, 873. 40	46, 589, 215. 46 2, 605, 073. 40	41, 958, 323, 23 2, 607, 793, 40
Total		48, 349, 341, 42	52, 599, 003. 41	51, 720, 718. 39	48, 330, 477. 64	46, 628, 609. 48	43, 984, 142. 06	39, 350, 529. 83
Other net additions and deductions: Captish to subsidiaries, as paid-in surplus Reserve for Tennessee Land Co. Adjustment of contingent reserve.	# 4				74 090 00 <i>t</i>	1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Adjustment of amortization	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	# P P P P P P P P P P	2, 024, 414, 95	\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	/03, 008, 07	0	131, 215. 97	

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			119, 248. 13		119, 248. 13	39, 469, 777. 96
- 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1, 165, 387, 33	2, 922, 890. 88	19, 017, 72		25, 548. 36 1, 067, 292. 73	42, 916, 849. 33
		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25, 548. 36			48, 219, 324. 19 64, 245, 321. 39 63, 628, 203. 02 49, 419, 224. 06 46, 654, 157. 84 42, 916, 849. 33
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1	ON)	950, 592, 61	56, 591, 11		s 130, 020. 23 1, 655, 317. 98 1, 907, 484. 63 1, 088, 746. 42	49, 419, 224. 06
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2, 332, 590, 90		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	255, 903, 03		1, 907, 484. 63	53, 628, 203. 02
	000000000000000000000000000000000000000	z 625, 000. 00					1, 655, 317. 98	54, 245, 321. 39
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	130 020 23	100, 020; 20	\$ 130, 020. 23	<u> </u>
Adingtment of rental	nce	Deferred rail replacements	A dissement of property account.	í	Adjustment of depreciation and depletion	Miscellaneous	Total other net additions and deductions	Surplus at end of year

1 Denotes loss.

Denotes red figure.

SUBSIDIARIES OTHER THAN THOSE PRODUCING AND FABRICATING STEEL

While the steel subsidiaries form the most important group in the United States Steel Corporation, they by no means account for all the business in the system. Ore, coal and coke, transportation, manufacturing companies other than steelproducing or fabricating, and miscellaneous companies have represented during the period 1925-37 more than half the investments and have produced more than half the income for the United States Steel Corporation as a consolidated system.

Some indication of the extent of these subsidiaries is furnished by the following tabulation of the subsidiary companies by groups which were in existence as of

December 31, 1937.

· ·	Numbe	r
Group:	compan	ies
Śteel		15
Manufacturing other than steel	:	10
Ore mining	4	49
Coal and coke		8
Transportation	:	27
Miscellaneous	6	28
Total	13	37

A much better indication of the relative importance to the system as a whole of the various groups of subsidiaries is afforded by the following summary of income, investments, and rates of return of the United States Steel Corporation and subsidiaries for the period 1925-37, inclusive.

Comparison of the relative importance of income, investments, and rates of return for the United States Steel Corporation and subsidiary groups for the period 1925-37, inclusive

	Total net income	Average net income	Average investment	Average rate of return	Group in- come to total	Group investment to total
United States Steel Corporation and subsidiaries 1 Groups:		\$79, 693, 305	\$2, 072, 657, 841	Percent 3.84	Percent 100.00	Percent 100.00
Steel Transportation All other	478, 203, 492 247, 585, 805 310, 223, 680	36, 784, 884 19, 045, 062 23, 863, 359	993, 562, 963 287, 594, 925 791, 499, 953	3. 70 6. 62 3. 01	46. 16 23. 90 29. 94	47. 94 13. 87 38. 19
Total	1, 036, 012, 977	79, 693, 305	2, 072, 657, 841		100.00	100.00

¹ Represents consolidated figures. Income and investments have not been adjusted for intangibles.

The transportation group, constituting some 14 percent of the investment and 24 percent of the income of the United States Steel Corporation for the 13-year period, 1925-37, did noticeably better than either of the other two groups. average rate of return for the transportation companies was 6.62 percent. The steel group, comprising 48 percent of the consolidated investment, earned 3.70 percent. The all-other group for the same period earned only 3.01 percent.

The effect of intangible value has not been eliminated from any of the figures in the table. While it has been possible to make this adjustment in the consolidated records of the United States Steel Corporation, no such elimination of intangibles from the records of the subsidiaries is feasible. Therefore, for comparative purposes, the intangibles not actually deducted by the United States Steel Corporation itself are included in the consolidated figures.

Were it possible to eliminate intangibles from both the consolidated company and the subsidiaries, it is probable that the relative importance of the groups in regard to investments would be altered somewhat. According to the Bureau of Corporations report in 1911, the bulk of the intangibles included in the capitalization of the United States Steel Corporation in 1901 was contained in assets of the ore companies. It, therefore, follows, that were the intangibles eliminated in this comparison, the ore companies would show to better advantage. This would be reflected in a higher rate of return for the all-other group. However, relationships of these groups would not be radically changed as the result

¹ P. 36, Report of the Commissioner of Corporations in the Steel Industry, pt. I.

of the elimination of intangibles. This contention is borne out by a comparison of the rates of return for the consolidated company over the period 1925–37 with and without intangible values included.

United States Steel Corporation	Average income	Average of total invest- ment	Average rate of return
Company statements. Company statements adjusted by elimination of intangibles.	\$79, 693, 305 83, 476, 428	\$2, 072. 657, 841 . 1, 778, 646, 089	Percent 3. 84 4. 69

The average rate of return on total investment for this period is raised 0.85 of

I percent by the elimination of intangible values.

Income and investments for the group comprising all other companies represent for the most part a derived figure obtained by deducting from the consolidated figures for the United States Steel Corporation the amounts shown for the steel and transportation groups. The figures for the steel and transportation groups represent a summary of data compiled from balance sheets and income statements of the individual companies within these groups.

With the exception of the following manufacturing companies, no company listed in the all-other group were so examined. These manufacturing companies were the Universal Atlas Cement Co., American Bridge Co., and the Federal Shipbuilding & Dry Dock Co. Their importance in this group is indicated by the

following tabulation which covers the period 1925-37, inclusive:

Comparison of relative importance of income, investments and rates of return for other steel producing and transportation subsidiaries, 1925-37

All-other group	Total net income	Average net income	Average in- vestment	A verage rate of return	Income to total	Invest- ment to total
Universal Atlas Cement Co American Bridge Co. Federal Shipbuilding & Dry Dock Co	\$32, 932, 201 13, 477, 048	\$2, 533, 246 1, 036, 696 1 233, 298	\$33, 436, 735 75, 106, 557 6, 703, 729	Percent 7.58 1.38	Percent 10.62 4.34	Percent 4. 22 9. 49
TotalRemainder	43, 376, 380 266, 847, 300	3, 336, 644 20, 526, 715	115, 247, 021 676, 252, 932	2. 90 3. 04	12. 07 87. 93	14. 56 85. 44
Total	310, 223, 680	23, 863, 359	791, 499, 953	3. 01	100.00	100.00

¹ Loss.

Responsible officials of the United States Steel Corporation stated that of the companies included in the remainder of the all-other group, the ore-mining companies constituted the great bulk from the point of view of investment and income produced.

Average figures for the period 1925–37 have been used without any attempt to show the relative importance of these groups by years. This procedure has been occasioned by the fact that the figures for the United States Steel Corporation are consolidated figures, with all intercompany items eliminated. These intercompany items are included in the records of the individual subsidiary companies. The most important of these intercompany items which affect the income and investment of the subsidiaries is intercompany profits. Such profits arise from sales of goods at more than cost from one subsidiary to another. From the point of view of the Steel Corporation as a whole, profits can only be realized when sales above cost are made to outside interests.

Consolidated income for the United States Steel Corporation varies from the sum of the income for all its subsidiaries by as much as \$50,000,000 in some years. However, this effect is not cumulative, and over the 13-year period total and aver-

age income figures are not materially affected.

While it is true that the effect of intercompany profit is relatively unimportant when a sufficiently long period is averaged, comparison of the yearly income and investment total for the individual companies with those of the consolidated company are liable to serious error. Consequently the annual totals in the following

table 48 cannot be related with any precision to the totals for the United States Steel Corporation. This table shows the average income, investment and rates of return for the transportation companies and the principal subsidiaries not primarily connected with the production of steel, if we include the mining of ore, coal, and the manufacture of coke within this latter term. This should be further amended since the American Bridge Co. processes some of the steel required in its own business.

The transportation companies, as a group, earned 7.36 percent on their investment during the period 1917–37. Although 30 companies are included in this group, 7 companies account for 85.3 percent of the average investment and 96.9 percent of the average income of the whole transportation group during this 22-year period. These 7 companies, together with their average rates of return, follow:

Principal transportation companies	of:	age rates return ercent)
(1) Duluth, Missabe & Northern Railway Company 1		11. 92
(2) Bessemer & Lake Erie R. R. Co		10. 29
(3) Duluth & Iron Range R. R. Co		6. 32
(4) Elgin, Joliet & Eastern R. R. Co		4.96
(5) Chicago, Lake Shore & Eastern R. R. Co		7. 55
(6) Pittsburg, Bessemer & Lake Erie R. R. Co.		4. 39
(7) Union R. R. Co		5. 56
	-	
Average for above companies		7. 98

¹ Name changed in 1937 to Duluth, Missabe & Iron Range R. R. Co.

Table 48.—Summary of investment, net income, and rates of return for transportation companies 1 and certain other subsidiaries of the U. S. Steel Corporation, 1917-37, inclusive

1928	\$291, 356, 882 7, 297, 975 78, 002, 484 29, 456, 959	406, 114, 300	28, 209, 426 21, 160, 162 2, 726, 126 5, 932, 262	35, 707, 652	9.68 2.15.90 3.49 20.14	8.79
1929	\$301, 876, 094 6, 172, 205 78, 696, 988 29, 985, 784	416, 731, 071	35, 261, 439 2, 518, 544 2, 945, 665 4, 030, 230	41, 718, 790	2 8. 40 3. 74 13. 44	10.01
1930	\$319, 219, 815 6, 298, 132 79, 560, 758 40, 326, 391	445, 405, 096	21, 714, 153 143, 420 2, 989, 921 5, 739, 715	30, 587, 209	6.80 2.28 3.76 14.23	6.87
1931	\$323, 963, 906 7, 128, 733 79, 673, 967 47, 954, 986	458, 721, 592	5, 321, 507 837, 135 1, 374, 804 2 3, 261, 545	4, 271, 901	1. 64 11. 74 11. 73 2 6. 80	. 93
1932	\$312, 197, 941 6, 925, 291 77, 669, 911 43, 092, 802	439, 885, 945	2 4, 889, 859 277, 341 203, 028 2 3, 297; 509	2 7, 706, 999	11.57 4.00 2.26 2.7.65	2 1.75
1933	306, 875, 687 5, 753, 941 75, 384, 045 38, 126, 146	426, 139, 819	7, 194, 185 ² 52, 870 ² 1, 143, 067 ² 832, 731	5, 165, 517	2.34 2.1.52 2.1.8	1.21
1934	285, 967, 917 5, 012, 877 73, 019, 058 34, 293, 076	398, 292, 925	5, 626, 651 2, 887, 822 22, 397, 892 496, 425	2, 837, 362	1.97 2.17.71 2.3.28 1.45	17.
1935	\$251, 002, 039 5, 683, 076 69, 982, 117 31, 500, 414	358, 167, 646	11, 439, 743 ² 282, 353 ² 2, 514, 267 205, 871	8, 848, 994	4. 56 2. 4. 97 2. 3. 59 . 65	2. 47
1936	\$244, 016, 540 6, 066, 682 66, 687, 849 30, 048, 535	346, 819, 606	25, 317, 225 901, 992 2, 500, 722 2, 809, 244	28, 527, 739	10.38 14.87 2,75 9.35	8. 23
1937	.22, 627 54, 522 72, 668 37, 283	362, 987, 100	33, 063, 461 2, 50, 426 313, 418 2, 256, 032	35, 582, 485	12. 64 2. 79 488 7. 44	9.80
Average	\$269, 050, 530 \$261, 5 8, 508, 843 75, 576, 618 24, 865, 342	378, 001, 333	19, 811, 951 16, 383 1, 914, 265 2, 762, 244	24, 504, 843	7.36 2.53 11.11	6.48
	INVESTMENTS Transportation companies 1. Federal Shipbuilding & Dry Dock Co American Bridge Co Universal Atlas Coment Co	Total of average investments	Transportation companies. Federal Shipbuilding & Dry Dock Co American Bridge Co Universal Atlas Cement Co	TotalRATES OF RETURN	Transportation companies (percent). Federal Shipbuilding & Dry Dock Co- (percent). American Bridge Co. (percent). Universal Atlas Cement Co. (percent).	Average rate of return (percent)

1 This table includes the investments, net incomes, and rates of return of 30 transportation companies combined. 4 Denotes loss

Table 48.—Summary of investment, net income, and rates of return for transportation companies and certain other subsidiaries of the U. S. Steel Corporation, 1917-37, inclusive—Continued

	1917		\$208, 433, 760	4, 250, 143	283, 930, 185		18, 249, 257	9, 026, 910 992, 055	28, 268, 222		8.76		12. 67 23. 34	96.6
	1918		327, 362	5, 764, 010	301, 534, 002		18, 973, 086	6, 519, 975 852, 195	26, 345, 256		8.61	11	8.64 14.78	8.74
	1919		\$225, 803, 794 15, 331, 563	837,	326, 255, 720		15,004,175	5, 699, 139 2, 593, 704	30, 392, 638		6.64		7. 28 37. 94	9.32
	1920		69	7, 441,	336, 426, 117		25, 552,	2, 668, 615 1, 138, 051	28, 941, 743		10.91		3.38 15.29	8.60
nor	1921		\$242, 023, 096 13, 715, 321	7,464,	341, 648, 411		16, 180, 035	1, 389, 496 1, 513, 595	18, 327, 985		6, 69	, 25.	1. 77 20. 28	5, 36
Continu	1922		\$248, 638, 676 11, 335, 858	52, 661	350, 282, 772		24, 989, 532	2, 524, 792 3, 189, 109	26, 894, 871		10.05	26.	24. 43	7.68
otect Corporation, 1911-91, inclusive Communica	1923		543, 848 884, 199	20, 072, 295	368, 136, 372		32, 816, 109	2 361, 862 7, 516, 347	38, 589, 201		12. 50		37.45	10.48
, 1011-01	1924		371, 105 507, 870	75, 360, 423 22, 612, 059	375, 851, 457			2, 305, 035 7, 279, 867	25, 846, 847		6.20	2 5, 15	3.06 32.19	6.88
n por accon	1925			76, 749, 008 24, 585, 911	381, 304, 787		26, 251, 831	3, 402, 910 6, 782, 322	35, 594, 752		9. 66	2 10.	4. 43	9 33
Dieee C	1926		\$281, 540, 842 8, 187, 159	78, 034, 705 26, 663, 925	394, 426, 631		31, 145, 753	3, 812, 788 6, 519, 615	40, 762, 182	4	11.06	28.75	4.89	10.33
	1927		\$287, 393, 565 8, 098, 188		401, 948, 792		21, 930, 290	2, 264, 341 5, 552, 270	29, 064, 600		7.63	2 8, 43	2. 90 19. 62	7.23
	-	INVESTMENTS	Transportation companies 1. Federal Shipbuilding & Dry Dock Co	American Bridge Co	Total of average investments	NET INCOME	Transportation companies	American Bridge Co	Total	RATES OF RETURN	Transportation companies (percent)	(percent)	American Bridge Co. (percent) Universal Atlas Cement Co. (percent)	Average rate of return

1 This table includes the investments, net incomes, and rates of return of 30 transportation companies combined.

¹ Denotes loss.

APPENDIX TABLES

Appendix Table 1.—Active subsidiaries of United States Steel Corporation at Dec. 31, 1937 1

Name	Kind of business in which engaged	Percent control	
dams Mining Co	Iron ore		
gate Land Co. aterstate Transfer Ry. Co	Real estate		
iterstate Transfer Ry. Co	Transportation		
gawem Iron Mining Co	Iron ore		
mbridge Iron Mining Comerican Bridge Comerican Bridge Comerican Improvement Cotan and Montrose R. R. Co	Steel fabrication		
merican Improvement Co	Real estate		
tna and Montrose R. R. Co.	Transportation		
issahickon Bridge Co	Toll bridge		
issahickon Bridge Co merican Steel & Wire Co. of New Jersey, The	Steel and steel products		
ngus Land Co	_ lron ore		
chens Land Co	do		
eta Ore Co	Transportation		
-h Y Cl-	J 3 -		
snop fron Co. ue Earth Land Co. adley Transportation Co. mbridge Iron Mining Co. trnegie-Illinois Steel Corporation urnegie Land Corporation urnegie Natural Gas Co.	do		
adley Transportation Co	do Transportation		
mbridge Iron Mining Co	Iron ore		
arnegie-Illinois Steel Corporation	Iron ore Steel and steel products	1	
rnegie Land Corporation	Real estate	ļ	
rnegie Natural Gas Co	Natural gas		
napin Mining Co	Transportation		
nicago, Lake Shore & Eastern Railway Co	Transportation		
nippewa Iron Co., The	Iron ore		
angin Mining Co- nicago, Lake Shore & Eastern Railway Co- nipago, Lake Shore &	do		
oquet from Mining Co.	Steel and steel products		
olumbia Steel Co Dimpanhla Meridional de Mineracao	steel and steel products		
rawford Iron Mining Co	Iron ore	-	
imberland Iron Mining Co	do		
vclone Fence Co	Steel and steel products		
yclone Fence Couluth, Missabe & Iron Range Ry. Co		-	
uquesne Iron Mining Co	Iron ore	.1	
lgin, Joliet & Eastern Ry. Co	_ Transportation	1	
uuun, Missabe & Iron Kange Ry. Co- uquesne Iron Mining Co. lgin, Joliet & Eastern Ry. Co. ssex Iron Co. ederal Coke Corporation ederal Shipbuilding & Dry Dock Co C. Frick Coke Co.	Iron ore		
ederal Coke Corporation	CoalShipbuilding		
ederal Shipbuilding & Dry Dock Co	Shipbuilding	-]	
ary Land Co	Coal Real estate		
ang Iran Co	Iron ore		
reat Northern Mining Co	do	1	
emlock Land Co	do		
ary Land Co- enoa Iron Co- reat Northern Mining Co- emlock Land Co- ugo Iron Co- linois Steel Co-	do		
linois Steel Co- thmian Steamship Co	Steel and steel products		
thmian Steamship Co	_ Transportation		
na Mining Co	Iron ore Transportation Refractory brick Fluor spar		
liet & Blue Island Ry. Co., The	_ Transportation	.[
entucky Fire Brick Co., The	Refractory brick		
afayette Fluorspar Co	- Fluor spar	-	
ake Superior Consolidated from Mines	Iron ore Transportation	-	
ancaster Iron Mining Co	Iron ore	-	
phanon Iron Mining Co	do		
igonier Iron Mining Co	do	-]	
lichlgan Limestone & Chemical Co	Limestone	-	
lingo Coal Co	Coal	1	
lingo Iron Mining Co	Iron ore	1	
Innesota Iron Co	do		
Innesota Steel Co	Steel and steel products		
lonessen Iron Mining Co	Iron ore	-	
Iometa Improvement Co	do		
forewood from Mining Co.	do	-	
fountsin Iron Co	do	-	
Junhall Iron Mining Co	do	-	
Iational Mining Co.	do		
Iational Tube Co	Steel and steel products		
Neville Iron Mining Co	Iron ore		
Vorthern Development Co	do		
oil Well Supply Co	doSteel and steel products Iron ore		
linois Steel Co. thmian Steemship Co. cha Mining Co. cha Mining Co. cha Mining Co. cha Ke Blue Island Ry. Co., The afayette Fluorspar Co. afayette Fluorspar Co. ake Superior Consolidated Iron Mines. ake Terminal R. R. Co., The ancaster Iron Mining Co. chanon Iron Mining Co. dichigan Limestone & Chemical Co. dingo Iron Mining Co. donesta Iron Co. Minnesota Steel Co. donesta Iron Mining Co. donesta Improvement Co. Monongahela Iron Mining Co. dononda Iron Mining Co. dononda Iron Mining Co. donuntain Iron Co. donuntain Iron Co. dunhali Iron Mining Co. sational Mining Co. vational Tube Co. veville Iron Mining Co. orthern Development Co. Dil Well Supply Co. Dil Well Supply Co. cennsylvania and Lake Erle Dock Co.	Iron ore	-	
encoyd fron Mining Co.	doDocks	-	
connectivents and Lara Hria Linck (to	. I Docks		

 $^{^{\}rm I}$ This list does not include many subcompanies of these subsidiaries and does not include many iron ore and other companies in which U S. Steel Corporation held only a minority equity

Appendix Table 1.—Active subsidiaries of United States Steel Corporation at Dec. 31, 1937—Continued

Name	Kind of business in which engaged	Percent of control
Pittsburgh, Bessemer & Lake Erie Ry. Co., The	Transportation	57
Pittsburgh & Conneaut Dock Co., The	Docks	
Pittsburgh Limestone Corporation	Limestone	100
Youngstown & Northern R. B. Co., The		
Pittsburgh Steamship Co	do	
Pittsburgh Supply Co	Ship chandlery	100
Proctor Water & Light Co	Village utility services	
Rathbun Iron Mining Co	Tron ore	
Saranac Iron Mining Co	do	100
Scully Steel Products Co	Warehousing	100
Seventy-one Broadway Corporation	Real estate	100
Sharon Coal & Limestone Co	Coal and limestone	100
Shaw Iron Co.		100
Somerset Iron Mining Co		100
Spruce Mining Co		100
Standard Fence Co	Steel and steel products	100
Tennessee Coal, Iron & Railroad Co.		100
Birmingham Southern R. R. Co		100
Chickasaw Shipbuilding & Car Co.		
Fairfield Steel Co		
Tennessee Land Co		
Virginia Bridge Co		
Trotter Water Co		
Union Railroad Co		100
Union Supply Co		100
United States Coal & Coke Co	Coal	100
United States Fuel Co		100
United States Steel Corporation of Delaware		
United States Products Co		100
United Supply Co., The		100
Universal-Atlas Cement Co		100
Hannibal Connecting R. R. Co.		100
Northampton & Bath R. R. Co.		100
Universal Exploration Co	Zinc ore	100
Connellsville & Monongahela Ry. Co	Transportation	100
Westmoreland Iron Mining Co.		100
Youghiogheny Northern Ry. Co., The.	Transportation.	100

Appendix Table 2.—Active subsidiaries of Bethlehem Steel Corporation at Dec. 31, 1937 ¹

Name	Kind of business in which engaged	Percent of con- trol
Bethlehem Chile Iron Mines Co	Mining iron ore	100
Bethlehem-Cuba Iron Mines Co	Mining iron ore, owns coal and limestone prop- erties.	100
Bethlehem Shipbuilding Corporation, Ltd	Shipbuilding and ship repairs	100
Bethlehem Steel Co. (Pennsylvania)	Manufacture of iron and steel products, fabricated structural material, etc.	100
Bethlehem Steel Realty Corporation	Real estate	100
Bethlehem Land & Improvement Corporation	do	100
Northampton County Water Co	Supplies water to public	
Dundalk Co., The	Rcal estate	100
Dundalk Sewerage Co., The	Sewage disposal	100
Johnstown Water Corporation	Holding company	100
Johnstown Water Co	Supplies water to steel plant of Bethlehem Steel Co. and to public.	
Conemaugh & Franklin Water Co	Supplies water to public	100
Lebanon Consolidated Water Co	Supplies water to steel plant of Bethlehem Steel Co. and to public.	100
Mahoning Ore & Steel Co	Iron ore	51
Manufacturers Water Co. The	Supplies water to steel plant of Bethlehem	100
Penn Iron Mining Co. (Michigan)	Mining iron ore	100
Ponn Iron Mining Co. of Wisconsin	Steel Co. and to public. Mining iron ore Owns power site	100
T CHIM AT ON A STATE OF OT A TOO DO TO THE TOTAL OF THE T	O Who power disciplination	

¹ This list does not include 7 iron ore companies listed below in which Bethlehem Steel Corporation held from 22 to 50 percent minority equity, nor does it include Cambria Iron Co. which is leased for 999 years to this corporation:

Bennett Mining Co. (22 percent). Hoyt Mining Co. (45 percent). Negaunee Mine Co. (50 percent). Odanah Iron Co. (50 percent). Plymouth Mining Co. (40 percent). Vermillon Mining Co. (25 percent) Verona Mining Co. (50 percent).

Appendix Table 2.—Active subsidiaries of Bethlehem Steel Corporation at Dec. 31, 1937—Continued

Name	Kind of business in which engaged	Percent of con- trol
Bethlehem Steel Co. (Delaware)	Selling company, also operates fabricating works and warehouses and erects structural steel.	100
Bethlehem Steel Export Corporation Bethlehem Supply Corporation	Selling company, all foreign countries Selling company, operates supply stores and storage yards.	100 100
Bethlehem Transportation Corporation	Operates vessels on Great Lakes principally to transport raw materials to stee l plants of Bethlehem Steel Co.	100
Buena Vista Iron Co	Owns iron ore lands Operates vessels in intercoastal service, principally to transport products of steel plants to Paclfic coast.	100
Campania de Mines de Fierro, "Los Truchas"	Owns mineral rights	100
Fore River R. R. Corporation Fore River Shipbuilding Corporation Industrial Collieries Corporation Iron Mines Co. of Venezuela Lyague Iron Co	Common carrier dodo do do Owns property leased to another subsidiary Manages the mining of coal for account of consuming subsidiary company. Iron ore development in Venezuela Mining iron ore	100 100 100 100 100
Ore Steamship Corporation	Operates vessels in coastwise and foreign trade transporting raw materials from properties of subsidiary companies.	100
	Common carrierdo	100 100
Co. Service Stores Corporation (Pennsylvania)	Retail merchandising serving employees and the public.	100
Service Stores Corporation (Michigan).	Common carrier	100
Steelton & Highspire R. R. Co	Mining iron ore Transportation	100 100 62
Corsica Iron Co	Mining iron ore	67 67
Farmers' & Merchants' Bank Hobart Iron Co	Banking Mining iron ore	100
Mahoning Steamship Co Palmer Mining Co	Transportation	53

Appendix Table 3.—Active subsidiaries of Republic Steel Corporation at Dec. 31, 1937 1

Name	Kind of business in which engaged	Percent of con- trol
Columbia Land Co., The	Metal office equipment.	6' 6' 100
Upper Mahoning Land Co., ThePenokee Ore Co		9 8 10 10
Republic Steel Corporation of Delaware Republic Supply Co Searight Supply Co		0 0 8 0
Ohio Tubular Products Company, The Truscon Steel Co Union Drawn Steel Co., Ltd	Fabricated steel products	10 7 9 10

¹ Company also held minority equities in the following companies:

Donner-Hanna Coke Corporation (50 percent).
Fretz-Moon Tube Co., Inc. (50 percent).
Susquehanna Ore Co. (59 percent).
Lake Erie Limestone Co. (57 percent).
Mahoning Ore & Steel Co. (6 percent).
Mesaba-Cliffs Mining Co.

Appendix Table 4.—Active subsidiaries of Jones & Laughlin Steel Corporation at Dec. 31, 1937

Name	Kind of business in which engaged	Percent of control
Blair Limestone Co Vesta Coal Co., The Thannopin Coal Co. Inter-State Iron Co. Jones & Laughlin Ore Co. Interstate Steamship Co. Monongahela Connecting R. R. Co., The Aliquippa & Southern Ry. Co. Woodlawn & Southern Motor Coach Co. Harbor Land Co., The Adelaide Land Co. Woodlawn Land Co. Woodlawn Land Co. Jones & Laughlin Steel Products Co. Jones & Laughlin Steel Products Co. Jones & Laughlin Steel Service, Inc.	do Mining iron ore	100 100 100 100 100 100 100 100 100 100
Louisiana Erecting Co., Inc	tures. Merchandising iron and steel products	100 100 79

Appendix Table 5.—Active subsidiaries of National Steel Corporation at Dec. 31, 1937 1

Name	Kind of business in which engaged	Percent of control
Weirton Steel Co. Weirton Improvement Co. Midwest Steel Corporation Oak Hill Supply Co. Great Lakes Steel Corporation Hanna Furnace Corporation, The Hanna Iron Ore Co. of Delaware American Boston Mining Co., The Hanna Iron Ore Co. (Michigan) Homer Ore Co Hanna Ore Mining Co. Richmond Iron Co. Williams Ore Co. Williams Ore Co. Weirton Coal Co.	General store Manufactures steel products Pig iron	100 100 91 95 100 100 100 100 100 70 67 100

¹ Minority equities are held in the following iron ore companies:

Mahoning Ore & Steel Co. (7 percent). Mesaba Cliffs Mining Co. (11 percent). Nokay Iron Co. (67 percent). Susquehanna Ore Co. (25 percent). APPENDIX TABLE 6.—Active subsidiaries of Youngstown Sheet & Tube Co. at Dec. 31, 1937 1

Name	Kind of business in which engaged	Percent of control
Buckeye Coal Co., The Buckeye Land Co., The Nemacolin Ferry Co., The Nemacolin Ferry Co., The Nemacolin Supply Co. Youngstown Steel Products Co., The Mayville Iron Co., The Delotex Co., The Continental Supply Co., The. Continental Emsco Co., Inc. Sheet and Tube Employees Stores Co., The. Mahoning Insurance Co. Biwabik Mining Co., The Balkan Mining Co., The Crette Mining Co. Century Zinc Co., The	Ferry transportation General merchandise Merchandising iron and steel products Timber and farm lands Lessor of oil and gas properties. Merchandising oil and gas well supplies do General merchandising General fire insurance Iron ore do do	100 100 100 100 100 100 100 100 100 75

1 Other companies in which minority equities are held are listed here:

Bennett Mining Co.—iron ore (33 percent).

Campbell Mining Co.—iron ore (33 percent).

Cuyuna Ore Co.—iron ore (20 percent).

Hoyt Mining Co.—iron ore (10 percent).

Mahoning Ore **iron ore (10 percent).

Mahoning Ore **iron ore (10 percent).

Mahoning Ore **iron ore (10 percent).

Palmer Mining Co.—iron ore (12 percent).

Plymouth Mining Co.—iron ore (20 percent).

Vermillion Mining Co.—iron ore (37 percent).

Volunteer Ore Co.—iron ore (37 percent).

Carbon Limestone Co.—limestone quarry (18 percent).

Cambria Steamship Co.—Great Lakes transportation (10 percent).

Interlake Steamship Co.—Great Lakes transportation (10 percent).

Mahoning Steamship Co.—Great Lakes transportation (10 percent).

Chicago Short Line Ry. Co.—belt line railway (49 percent).

Direct Current Welding Co.—holds welding patents (50 percent).

Pennsylvania & Lake Erie Dock Co.—docks (4 percent).

Youngstown Steel Door Co.—steel doors and specialties for railroad cars (8 percent).

APPENDIX TABLE 7.—Active subsidiaries of Inland Steel Co. at Dec. 31, 1937 1

Name	Kind of business in which engaged	Percent of control
Joseph T. Ryerson & Son, Inc	Fabricator and distributor of steel products Manufacturer and fabricator of miscellaneous	100
Inland Lime & Stone Co	building materials from steel sheets. Quarrying limestone Building and renting of houses to employees Manufacturers of steel sheets—plant now dis-	100 100 100
Inland Tar Co	mantled. Manufacturer of tar products	100

¹ Other iron ore companies in which minority equities are held are listed here:

Mahland Ore Co. (50 percent). Susquehanna Ore Co. (25 percent). Michigan Mineral Land Co. (50 percent). Mesaha Cliffs Mining Co. (14 percent).

Appendix Table 8.—Active subsidiaries of The American Rolling Mill Co. at Dec. 31, 1937 1

Name	Kind of business in which engaged	Percent of control
Shaffield Steel Corporation	Manufacture and sale of iron and steel	100
	Exporters of iron and steel—holding company.	100
Armeo Railroad Sales Co	Sale of iron and steel products	100
Armco Railroad Sales Co	Wholesale dealers in sheet iron and steel	100
California Corrugated Cuivert Co.	Manufacture and sale of metal culverts	100
	Sale of metal culverts	100
Arizona).	Dair of Micons Carrotto.	100
	Manufacture and sale of metal culverts	100
Dixie Culvert & Metal Co., The		100
Dixie Culvert & Pipe Co., The	do	100
Fort Worth Tank & Culvert Co.	do	100
R Hardesty Manufacturing Co. The	do	100
Harry Bros. Co. of Louislana	Jobbers and fabricators of iron and steel	100
Iowa Culvert & Pipe Co.	Manufacture and sale of metal culverts	9.
Harry Bros. Co. of Louisiana. Iowa Culvert & Pipe Co. Lyle Culvert & Pipe Co.	do	100
Maryland Culvert & Pipe Co., The	do	100
Missouri Culvert & Pipe Co	do	100
Montana Culvert & Pipe Co Nebraska Culvert & Pipe Co., The	do	10
Nebraska Culvert & Pipe Co., The	do	10
W. Q. O'Neall Co. of Illinois, The	do	10
Pure Iron Culvert & Manufacturing Co	do	10
Road Supply & Metal Co., The Virginia Culvert Corporation	do	10
Virginia Culvert Corporation	do	10
Washington Corrugated Cuivert Co	do	10
Western Metal Manufacturing Co. of Texas.	do	10
Canada Ingot Iron Co., Ltd., The Drainage Engineering Co. of Canada, Ltd	do	10
Drainage Engineering Co. of Canada, Ltd	Jobbers of iron and steel products	8
F. K. Simonds Co	Foundry iron castings	10
Armeo Coal Mining Corporation	Coal mining	10
Nellis Coal Corporation	do	10
	Operates hotel	
Boyd County Realty Co	General real estate	
Aruzen Co	Rolling mill development company	5
	General real estate	
Middletown Airport, Inc	Airport	

¹ A minority equity of 47 percent is held in Rustless Iron & Steel Corporation and minority equities were held of from 15 to 33 percent in the following iron ore companies:

Hanna Ore Mining Co. Castile Mining Co. Fortune Lake Mining Co. Richmond Iron Co. St. James Mining Co.

Appendix Table 9.—Active subsidiaries of Wheeling Steel Corporation at Dec. 31, 1937

Name	Kind of business in which engaged	Percent of control
Wheeling Corrugating Co	Manufactures and sells sheet steel and formed products. Expanded metal products. Pressed steel stampings. Coal mining. do. General merchandise. Connecting railroad. Great Lakes transportation.	100 100 100 100 100 100 100 53

¹Minority equities are held ranging from 15 to 37 percent'in 4 iron ore companies not listed here.

² The names of 10 foreign subsidiaries of The Armco International Corporation are not included here.

APPENDIX TABLE 10.—Active subsidiaries of Otis Steel Co. at Dec. 31, 1937

Name	Kind of business in which engaged	Percent of control
Cuyahoga Valley Ry. Co., The Beelick Knob Coal Co., The Otis Steel Co. of Canada, Ltd. Cleveland Lime & Transport Co.	Owns and operates connecting railroad	100 100 100 75

APPENDIX TABLE 11.—Active subsidiaries of Pittsburgh Steel Co. at Dec. 31, 19371

Name .	Kind of business in which engaged	Percent of control
Monessen Southwestern Ry. Co	Plant switching	100 100 100

¹ Company also held minority equities in the following iron ore companies:

Bennett Mining Co. (22% percent). Mesaba-Cliffs Mining Co. (16 percent). Plymouth Mining Co. (10 percent).

APPENDIX TABLE 12.—Summary of investments, profits, and rates of return for Bethlehem Steel Corporation and subsidiaries, 1917-38

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Capital stock: 1. Preferred 2. Common	\$14, 908, 000 14, 862, 000	\$44, 632, 000 \$ 59, 448, 000	44, 908, 000 59, 448, 000	44, 908, 000 59, 862, 000	544, 908, 000 59, 862, 000	44, 908, 000 59, 862, 000	\$57, 408, 000 \$58, 776, 82, 470, 500 180, 151,	\$58, 776, 400 180, 151, 900	400 \$59, 432, 510 \$59, 891, 345 \$97, 000, 000 900 180, 151, 900 180, 151, 900 180, 000, 000	\$59, 891, 345 180, 151, 900	\$97, 000, 000 180, 000, 000	\$97,000,000 180,000,000
3. Total	29, 770, 000 69, 370, 198 2, 586, 590	104, 080, 000 58, 513, 615 4, 985, 863	104, 356, 000 65, 057, 845 4, 998, 216	104, 770, 000 72, 804, 610 5, 086, 025	104, 770, 000 80, 826, 786 5, 956, 617	104, 770 82, 418 7, 505	, 000 139, 878, 500 , 929 104, 050, 674 , 529 7, 150, 826	, 500 238, 928, 300 , 674 126, 188, 803 , 826 5, 379, 919	239, 584, 410 94, 003, 878 5, 670, 648	239, 584, 410 240, 043, 245 277, 000, 94, 003, 878 103, 100, 166 115, 283, 5, 670, 648 6, 167, 550 2, 974,	277, 000, 000 115, 283, 088 2, 974, 695	277, 000, 000 124, 319, 230 3, 179, 860
brofits taxes	1, 252, 850	12, 042, 096	8, 801, 897	14, 369, 426	12, 709, 118	7, 310, 803	7,041,572	10, 118, 607	4, 626, 412	4, 160, 894	5, 113, 634	5,002,842
7. Capital stock and surplus	102, 979, 638	179, 621, 574	183, 213, 958 197, 030, 061		204, 262, 521	202, 005, 261	258, 121, 572	380, 615, 629	343, 885, 348 353, 471, 855	353, 471, 855	400, 371, 417	409, 501, 932
other intangibles	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793	14, 083, 793
9. Stockholders' investment 10. Minority stockholders' equity in	88, 895, 845	165, 537, 781	169, 130, 165	169, 130, 165 182, 946, 268 190, 178, 728 187, 921, 468 244, 037, 779 366, 531, 836	190, 178, 728	187, 921, 468	244, 037, 779	366, 531, 836		329, 801, 555 339, 388, 062 386, 287,	386, 287, 624	395, 418, 139
11, Long-term debt 1	68, 590, 000	132, 615, 406	142, 112, 505	142, 112, 505 118, 259, 193	141, 619, 696 146, 432,	897	156, 611, 612	210, 109, 239	237, 142, 264	226, 489, 944	207, 905, 712	204, 169, 447
	157, 485, 845	298, 153, 187 227, 819, 516	311, 242, 670 304, 697, 928	311, 242, 670 301, 205, 461 304, 697, 928 306, 224, 066	331, 798, 424	331, 798, 424 334, 354, 365 400, 649, 391 576, 641, 075 316, 501, 942 333, 076, 395 367, 501, 878 488, 645, 233	400, 649, 391	576, 641, 075 488, 645, 233	566, 943, 819 565, 878, 571, 792, 447 566, 410,	915	594, 193, 336 580, 035, 671	599, 587, 586 596, 890, 461
14. A Versige of Stockholders invest-		127, 216, 813	167, 333, 973	973 176, 038, 216 186,		562, 498 189, 050, 098 215, 979, 624 305, 284,	215, 979, 624	807	348, 166, 696 334,	594,808	362, 837, 843	390, 852, 882
oquity————————————————————————————————————		97, 446, 813 122,	122, 563, 973	131, 130, 216 141, 654, 498 144, 142,	141, 654, 498	144, 142, 098 164,	164, 821, 624 247, 192,	707	289, 062, 241 274,	932, 881	284, 392, 170	293, 852, 882
16. Applicable to total investment.		47, 580, 242	29, 007, 000	33, 671, 175	23, 800, 730	20, 417, 925	13, 554, 449	27, 789, 702	22, 204, 484	28, 736, 793	35, 105, 377	29, 277, 114
vestment.		39, 240, 925	20, 535, 226	24, 989, 427	16, 194, 248	11, 243, 128	4, 828, 680	15, 657, 046	9, 117, 735	15, 688, 488	22, 928, 492	17, 860, 651
holders' equity		37, 602, 885	17, 093, 866	21, 545, 867	12, 750, 688	7, 799, 568	1, 166, 370	11, 338, 793	3, 742, 548	11, 385, 415	16, 149, 637	11, 070, 651
Rate of return on total investment 16+ 13)		20.89	9. 52	11.00	7.52	6.13	3. 69	5.69	3.88	5.07	6.05	4.90
ment (17÷14)	1	30,85	12. 27	14.20	8.68	5.95	2.24	5.13	2.62	4.69	6.32	4.57
equity (18 + 15)percent.		38. 59	13.95	16. 43	9.00	5, 41	.71	4. 59	1.29	4.14	5.68	3.77

Annual	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1		\$528, 805, 568	369, 365, 951	291, 686, 021	23, 947, 750	15,089,429	9, 595, 779	4.53	4.09	3.29
1938	\$112, 066, 440 302, 478, 480	414, 544, 920 64, 863, 198	3, 445, 073	482, 853, 191		482, 853, 191	103, 589 165, 372, 828	648, 329, 608 655, 782, 528 §	487, 534, 465	375, 468, 025	12, 928, 776	6, 150, 104	\$ 1, 320, 992	1.97	1.26	3, 35
1937	\$100,000,000 \$100,000,000 \$100,000,000 \$84,000,000 \$83,400,000 \$83,385,700 \$83,385,700 \$83,388,700 \$112,066,440 \$112,066,440 \$112,066,440 \$112,066,440 \$112,066,440 \$112,066,440 \$112,066,440 \$15,900,000 \$15,900,	414, 652, 270 67, 248, 455	2, 782, 287	492, 215,		492, 215, 739	99, 787 170, 919, 923	663, 235, 449 643, 162, 421	486, 113, 307	374, 046, 867	44, 490, 757	38, 017, 712	30, 546, 616	6.92	7.82	8.17
1936	\$112, 066, 440 303, 203, 330	415, 269, 770 57, 562, 527	3, 619, 022	480, 010,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	480, 010, 875	98, 451 142, 980, 066	623, 089, 392 620, 332, 509	476, 809, 979	374, 082, 409	23, 046, 788	16, 949, 817	11, 346, 495	3.72	3.55	3.03
1935	\$93, 388, 700 315, 342, 389	408, 731, 089 74, 487, 447	2, 989, 326	531, 273, 024 502, 322, 144 493, 475, 981 489, 079, 101 487, 692, 876	14, 083, 793	539, 716, 169 517, 189, 231 488, 238, 351 479, 392, 188 474, 995, 308 473, 609, 083	1, 804, 000 1, 804, 000 1, 804, 000 1, 928, 883 1, 933, 544 117, 583, 600 136, 971, 877 126, 212, 420 121, 256, 639 116, 034, 495 142, 033, 000	592, 958, 686 617, 575, 627 597, 705, 756 605, 267, 157	544, 265, 682 528, 452, 700 502, 713, 791 483, 815, 269 477, 193, 748 474, 302, 196	444, 265, 682 431, 452, 700 409, 013, 791 380, 420, 919 383, 805, C48 380, 913, 496	11, 914, 935	5, 275, 747	3 1, 261, 462	1.97	11.11	3, 33
1934	\$93, 388, 700 315, 396, 093	408, 784, 793 4 76, 370, 540	3, 010, 953	489, 079, 101	14, 083, 793 14, 083,	474, 995, 308	1, 928, 883 116, 034, 495	592, 958, 686 597, 705, 756	477, 193, 748	383, 805, 048	7, 223, 743	968, 864	3 5, 568, 345	1.21	.20	\$ 1.45
1933	\$93, 388, 700 315, 900, 000	409, 288, 700 81, 145, 825	2, 500, 000	493, 475, 981	14, 083, 793	479, 392, 188	1, 804, 000 121, 256, 639	602, 452, 827 609, 353, 799	483, 815, 269	390, 420, 919	\$ 2, 500, 519	\$ 8, 937, 224	215, 776 315, 474, 433	3 0. 41	3 1.85	3 3, 96
1932	\$93, 400, 000 315, 900, 000	409, 300, 000 89, 221, 676	3, 071, 962	502, 322, 144	14, 085, 793 14, 083, 793	488, 238, 351	1, 804, 000 126, 212, 420	657, 244, 769 655, 965, 108 616, 254, 771 602, 452, 827 695, 199, 779 656, 604, 938 636, 109, 940 609, 353, 799	502, 713, 791	409, 013, 791	7, 241, 202 112, 901, 012 3 2, 500, 519	152, 809 3 19, 667, 870 3 8, 937, 224	3 26, 215, 776	\$ 2.03	\$ 3, 92	3 6.41
1931	\$94, 000, 000 315, 900, 000	415, 900, 000 409, 900, 000 128, 471, 434 114, 844, 280	3, 607, 253			517, 189, 231	1, 804, 000 136, 971, 877	655, 965, 108 656, 604, 938	528, 452, 700	431, 452, 700	7, 241, 202	152, 809	3 6, 742, 191 3 26,	1.10	.03	3 1, 56
1930	\$100, 000, 000 315, 900, 000		2, 870, 741	553, 799, 962	14, 083, 793		117, 528, 600		544, 265, 682	444, 265, 682	32, 741, 711	25, 626, 705	18, 626, 705	4.71	4.71	4.19
1929	\$100,000,000 315,900,000	415, 900, 000 134, 565, 632	3, 293, 614	562, 893, 987	14, 083, 793	548, 815, 194	184, 339, 595	733, 154, 789 660, 695, 407	468, 815, 023	368, 815, 023	58, 994, 780	48, 042, 816	41, 042, 816	8.93	10.25	11.13
1928	\$100,000,000 180,000,000	280, 000, 000 114, 922, 652	2, 138, 990	402, 898, 645	14, 083, 793	388, 814, 852	199, 421, 172	588, 236, 024 593, 911, 805	392, 116. 495	293, 616, 495	32, 524, 360	21, 323, 918	14, 481, 418	5. 48	5.44	4.93
	Capital stock: 1. Preferred 2. Common	3. Total	6. Reserves for Federal income	7. Capital stock and surplus plus goodwill, appreciation,	and other intangit	9. Stockholders' invest- ment	in subsidiaries 11, Long-term debt 1	12. Total investment		Net income before deducting Federal income and profits	16. Applicable to total ln- vestment		4	ment (16+13)percent	Investment (17+14)percent	holders' cquity (18+15) percent.

1 Less unamortized debt discount and expenses.

2 Not available for 1938.

3 Denotes loss.

APPENDIX TABLE 12A.—Summary of income, expenses, and surplus for Bethlehem Sleel Corporation and subsidiaries, 1917-38

	1917	8161	1919	1920	1921	1922	1923	1924
Net sales	\$298, 929, 531	\$448, 410, 809	\$281, 641, 908	\$274, 431, 236	\$147, 794, 353	\$131, 866, 111	\$275, 213, 423	\$243, 904, 266
Cost of goods sold	225, 626, 795 10, 693, 312 17, 911, 641	379, 762, 963 10, 718, 026 31, 510, 366	229, 202, 684 7, 479, 544 12, 566, 152	227, 600, 092 9, 970, 706 13, 941, 514	7, 836, 078 6, 002, 715	108, 044, 422 6, 625, 837 6, 499, 189	225, 271, 587 12, 269, 566 10, 676, 078	199, 305, 032 12, 496, 108 11, 846, 891
Total operating expenses	254, 231, 748	421, 991, 355	249, 248, 380	251, 512, 312	130, 990, 503	121, 169, 448	248, 217, 231	223, 648, 031
Net income from operations. Other income (net)	44, 697, 783 2, 882, 459	26, 419, 454 2, 587, 546	32, 393, 528 1, 277, 647	22, 918, 924 881, 806	16, 803, 850 3, 614, 075	10, 696, 663 2, 857, 786	26, 996, 192 793, 510	20, 256, 235
Net income applicable to total investment. Less interest on long-term debt.	47, 580, 242 8, 339, 317	29, 007, 000 8, 471, 774	33, 671, 175 8, 681, 748	23, 800, 730 7, 606, 482	20, 417, 925 9, 174, 797	13, 554, 449 8, 725, 769	27, 789, 702 12, 132, 656	22, 204, 484 13, 086, 749
Net income applicable to stockholders' lavestment Provision for Federal income and profits taxes.	39, 240, 925 11, 912, 346	20, 535, 226 4, 610, 335	24, 989, 427 9, 779, 754	16, 194, 248 1, 776, 033	11, 243, 128	4, 828, 680	15, 657, 046 1, 317, 899	9, 117, 735
Net income for the year Surplus beginning of the year	27, 328, 579 69, 370, 198	15, 924, 891 58, 513, 615	15, 209, 673 65, 057, 845	14, 418, 215 72, 804, 610	10, 304, 961 80, 826, 786	4, 631, 812 82, 418, 929	14, 339, 147 104, 050, 674	8, 835, 342 126, 188, 903
Total	96, 698, 777	74, 438, 506	80, 267, 518	87, 222, 825	91, 131, 747	87, 050, 741	118, 385, 821	135, 024, 145
Less dividends pald on— Common stock in cesh. Common stock in stock	6, 539, 280	5, 914, 800	4, 166, 535	2, 993, 100	2, 993, 100	3, 275, 706	7, 767, 074	4, 494, 785
Preferred stock in cash	1, 638, 040	3, 441, 360	3, 443, 560	3, 443, 560	3, 442, 560	3, 662, 310	4, 318, 253	5, 375, 187
Total Other net additions or deductions: Adjustment of values in acquisition of assets or securities of other commanies	38, 177, 329	9, 386, 160	7, 610, 095	6, 436, 660	6, 436, 660	6, 938, 016	12, 085, 327	9, 869, 972
Discount or premium on conversion, repurchase, sale or adjustment of values of own securities.	1 7, 842	5, 499	147, 187	40, 621	1 2, 276, 158	1 26, 482	1 1, 665, 595	1 5, 635, 960
Surplus end of the year	58, 513, 615	65, 057, 845	72, 804, 610	80, 826, 786	82, 418, 929	104, 050, 674	126, 188, 803	94, 003, 878

	1925	1926	1927	1928	1929	1930	1831	1932
Net sales	\$273, 025, 320	\$304, 361, 805	\$271, 502, 891	\$294, 778, 287	\$342, 516, 207	\$258, 979, 253	\$186, 541, 195	\$96, 892, 488
Cost of goods sold	221, 786, 240 12, 924, 945 12, 004, 984	245, 728, 848 13, 649, 058 12, 626, 665	218, 114, 965 13, 667, 763 13, 096, 496	235, 462, 750 15, 044, 962 13, 658, 335	257, 905, 888 18, 194, 454 14, 009, 085	200, 895, 644 16, 411, 682 14, 217, 741	153, 531, 838 15, 235, 171 13, 844, 910	85, 949, 823 12, 722, 107 13, 101, 589
Total operating expenses.	246, 716, 169	272, 004, 571	244, 879, 224	264, 166, 047	290, 109, 427	231, 525, 067	182, 611, 919	111, 773, 519
Net income from operations. Other income (not).	26, 309, 151 2, 427, 642	32, 357, 234 2, 748, 143	26, 623, 667 2, 653, 447	30, 612, 240 1, 912, 120	52, 406, 780 6, 588, 000	27, 454, 186 5, 287, 525	3, 929, 276 3, 311, 926	14, 881, 031 1, 980, 019
Net income applicable to total investment	28, 736, 793	35, 105, 377	29, 277, 114	32, 524, 360	58, 994, 780	32, 741, 711	7, 241, 202	\$ 12, 901, 012
Less: Income applicable to minority interest. Interest on long-term debt.	13, 048, 305	12, 176, 885	11, 416, 463	11, 200, 442	10, 951, 964	7, 115, 006	108, 327 6, 980, 066	108, 327 6, 658, 531
Net income applicable to stockholders' investment Provision for Federal Income and profits taxes	15, 688, 488 1, 791, 360	22, 928, 492 2, 434, 775	17, 860, 651 2, 005, 218	21, 323, 918 2, 666, 001	48, 042, 816 5, 537, 149	25, 626, 705 1, 773, 239	152, 809 50, 513	2 19, 667, 870 1 44, 118
Net income for the year Surplus beginning of the year	13, 897, 128 94, 003, 878	20, 493, 717 103, 100, 166	15, 855, 433 115, 283, 088	18, 657, 917 124, 319, 230	42, 505, 667 114, 922, 652	23, 853, 466 134, 565, 632	102, 296 128, 471, 434	119, 623, 752 114, 844, 280
. Total	107, 901, 006	123, 593, 883	131, 138, 521	142, 977, 147	157, 428, 319	158, 419, 098	128, 573, 730	95, 220, 528
Less dividends paid on— Common stock in cash Preferred stock in cash	4, 303, 073	6, 778, 855	6, 790, 000	1, 800, 000 6, 842, 500	15, 600, 000	19, 200, 000 7, 000, 000	6, 400, 000 6, 895, 000	1, 645, 000
Total. Other net additions or deductions: Adjustment of values in acquisition of assets or securities	4, 303, 073	6, 778, 855	6, 790, 900	8, 642, 500	22, 600, 000	26, 200, 000	13, 295, 000	1, 645, 000
Discount or premium on conversion, repurchase, sale or dilustrant of values of own securities. Loss on abandonment of properties	1 497, 767	1 1, 531, 940	1 29, 291	588, 005	1 262, 687	1 3, 747, 664	13, 449 1 447, 899	219, 321
Surplus end of the year	103, 100, 166	115, 283, 088	124, 319, 230	114, 922, 652	134, 565, 632	128, 471, 434	114, 844, 280	89, 221, 676
1 Deduction.				2 Denotes loss.	s loss.			

APPENDIX TABLE 12A.—Summary of income, expenses, and surplus for Bethlehem Steel Corporation and subsidiaries, 1917-38—Continued

	a come de maria		J			20 122 6	
	1933	2934	1935	1936	1937	1938	Total
Net sales	\$120, 163, 374	\$167, 736, 124	\$192, 543, 458	\$287, 107, 706	\$417, 538, 024	\$265, 405, 540	\$5, 581, 283, 309
Cost of goods sold. Distribution and administrative expenses. Provisions for depreciation and depletion.	97, 557, 416 12, 623, 191 13, 506, 256	134, 715, 666 14, 048, 494 13, 779, 639	151, 321, 669 16, 237, 481 14, 581, 899	229, 205, 838 19, 813, 690 16, 052, 851	330, 418, 617 27, 057, 177 16, 170, 916	223, 646, 624 13, 700, 290 16, 501, 567	4, 498, 207, 111 299, 419, 642 308, 107, 479
Total operating expenses.	123, 686, 863	162, 543, 799	182, 141, 049	265, 072, 379	373, 646, 710	253, 848, 481	5, 105, 734, 232
Net income from operations.	1 3, 523, 489 1, 022, 970	5, 192, 325 2, 031, 418	10, 402, 409 1, 512, 526	22, 035, 327 1, 011, 461	43, 891, 314 599, 443	11, 557, 059	475, 549, 077 51, 301, 435
Net income applicable to total investment	1 2, 500, 519	7, 223, 743	11, 914, 935	23, 046, 788	44, 490, 757	12, 928, 776	526, 850, 512
Income applicable to minority interest.	108, 327 6, 328, 378	108, 327 6, 146, 552	. 6, 530, 861	95, 828 6, 001, 143	6, 473, 052	3, 795	641, 251 194, 021, 817
Net income applicable to stockholders' investment. Provision for Federal income and profits taxes.	2 8, 937, 224 2 112, 866	968, 864 422, 965	5, 275, 747 909, 803	16, 949, 817 3, 048, 358	38, 017, 712 6, 163, 402	6, 150, 104	332, 187, 444 58, 367, 835
Net income for the year	2 8, 824, 358 89, 221, 676	545, 899 81, 145, 825	4, 365, 944 76, 370, 540	13, 901, 459 74, 487, 447	31, 854, 310 57, 562, 527	5, 241, 863 67, 248, 455	273, 819, 609
Total	80, 397, 318	81, 691, 724	80, 736, 484	. 88, 388, 906	89, 416, 837	72, 490, 318	
Less dividends paid on- Common stock in stock				4, 787, 421	15, 941, 020		101, 902, 821
Preferred stock in cash.		1, 634, 302	3, 268, 604	5, 603, 322	7, 471, 096	7, 471, 096	101, 468, 678
Total		1, 634, 302	3, 268, 604	10, 390, 743	23, 412, 116	7, 471, 096	233, 371, 499
Constitution of the state of th	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11, 615, 782	\$ 9 1 1 2 9 1 3 5 4 8 7 9 2 8 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	1 14, 083, 793	; 1 ; 1 ; 1 ; 1 ; 1 ; 1 ; 1 ; 1 ; 1 ; 1		1 14, 083, 793 1 1, 615, 782
Adjustment of values in acquisition of assets of securities of other com- panies				1 194, 699			1 194, 699
Discount of premium on conversion, repurchase, sale, or adjustment on values of own securities. Loss on abandomment of properties	88, 635	60, 493	1 2, 980, 433	1 6, 157, 144	1 1, 708, 600	1 406, 024	1 25, 770, 377
Other miscellaneous items.	659, 872				, 2, 952, 334	250,000	3, 862, 206
Surplus end of the year.	81, 145, 825	76, 370, 540	74, 487, 447	57, 562, 527	67, 248, 455	64, 863, 198	

1 Deduction.

² Denotes loss.

APPENDIX TABLE 13.—Summary of investments, profits, and rates of return for Republic Steel Corporation 1 and subsidiaries, 1917-38

1927	900 \$25, 900, 900 900 30, 000, 000	000 55, 163 34, 316	161 728 32, 990, 728	433 58, 085, 099 000 18, 797, 000	433 76, 882, 099 298 77, 184, 766 798 58, 019, 766	33, 019, 766 317 4 , 492, 456	704 3, 449, 465	704 1, 699, 465	75 25	11.88
1926	\$25,000, 30,000,	34,836 34,836 591	90, 945, 161	57, 954, 433	77, 487, 79, 088, 57, 249,	32, 249, 798	5, 582,	3,832,		
1925	\$25, 000, 000 \$25, 000, 000 30, 000, 000 30, 000, 000	55, 000, 33, 562, 631,	89, 535, 890 32, 990, 728	56, 545, 162	80, 689, 162 78, 906, 317 56, 165, 067	31, 165, 067	4, 155, 000	2, 405, 000	. 7.	7.72
1924	\$25,000,000 30,000,000	55,000, 32,921, 579,	88, 775, 700 32, 990, 728	55, 784, 972	77, 123, 472 77, 859, 032 56, 063, 282	31, 063, 282	2, 191, 926	441,9	3.91	1.42
1923	\$25,000,000 30,000,000	33,	89, 332, 320 32, 990, 728	56, 341, 592	78, 594, 592 72, 213, 909 54, 524, 659	29, 524, 659	6, 945, 392	5, 19	12, 74	17.60
1922	\$25, 000, 000 \$25, 000, 000 \$25, 000, 000 \$25, 000, 000 \$25, 000, 000 \$25, 000, 000 \$25, 000, 000 \$25, 000, 000 \$27, 191, 000 \$27, 191, 000 \$27, 272, 800 \$30, 000, 000 \$30, 000, 000 \$30, 000, 000	29, 994, 644,	85, 698, 455 32, 990, 728	52, 707, 727		28, 322, 694	478,072	3 1, 271	· ·	3 4, 49
1921	\$25, 000, 000 30, 000, 000	2001	86, 928, 388 32, 990, 728	53, 937, 660	67, 294, 660 72, 011, 602 58, 596, 102	34, 714, 817 33, 596, 102 10, 167, 325 3 4, 858, 269	3 5, 665, 243	37,415,243	3 9. 67	3 22. 07
1920	\$25, 000, 000 30, 000, 000	37,	96, 245, 272	63, 254, 544	1		9, 429, 358		15. 79	22, 12
1919	\$25, 000, 000 27, 272, 800	resea	89, 165, 819 32, 990, 728	56, 175, 091		34, 250, 639	2, 456, 310		4, 15	2, 06
1918	\$25,000,000 27,191,000	52, 191, 35, 122, 2, 382,	95, 316, 915 32, 990, 728	62, 326, 187	76, 601, 187 75, 774, 667 60, 935, 667	35, 035, 667	13, 472, 693	11, 722, 693	22.11	33, 46
1917	\$25, 000 , 000 27, 191, 000	52, 191, 000 30, 711, 988 1, 035, 801	92, 535, 875 32, 990, 728	59, 545, 147	74, 948, 147 65, 041, 857 48, 942, 607	23, 942, 607	25, 735, 854	23, 985; 854	52, 58	100.18
1916	\$25, 000, 000 27, 191, 000	52, 191, 000 18, 236, 251 284, 703	71, 330, 794	38, 340, 066	55, 135, 566		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Capital stock: 1. Preferred. 2. Common.	3. Total	7. Capital stock and surplus	9. Stockholders' investment	12. Total investment. 13. Average of total investment. 14. Average of stock bolders investment. 15. Average of common stockholders.		17. Applicable to stockholders' in- ment	te of	Rate of return on stockholders' invest- ment (17+14).	Kate of return on common stockholders' equity (18+15).

Organized in 1930 as a consolidation of Republic Iron & Steel Co., Central Alloy Steel Co., Donner Steel Co., and Berger Manufacturing Co.; figures prior to 1930 are for Republic Iron & Steel Co.
Public Iron & Steel Co.
1 Loss of the Co.
2 Denotes Descripted debt discount and expenses.
1 Denotes Descripted debt discount and expenses.
2 Denotes Denotes Descripted debt discount and expenses.

APPENDIX TABLE 13.—Summary of investments, profits, and rates of return for Republic Steel Corporation and subsidiaries, 1917-38—Con.

Annual					789 941 251 967, 889 227, 315, 930 216, 497, 843 210, 836, 979 212, 157, 264 267, 695, 292 326, 292, 771 316, 025, 706 322, 329, 106 314, 335, 836, 335, 836	107, 949, 700	72, 628, 392	5, 700, 718	3, 387, 167	1, 144, 771	3.84	3.14	1.58
1938	\$40, 190, 050 129, 264, 311	169, 454, 361 58, 711, 282	228, 165, 643	228, 165, 643 166, 056 86, 433, 476	314, 765, 175 322, 329, 168	216, 921, 536 233, 952, 699	486 193, 762, 649	17, 866, 607 1 3, 072, 667	3 7, 626, 825	244 10, 038, 228	\$ 0.95	1 3.26	\$ 5.18
1937	\$40, 190, 050 \$40, 190, 050 \$40, 93, 995, 228 129, 247, 330 129,	9 1	3, 300, 000	82, 961, 961 183, 083, 489 172, 285, 280 161, 157, 283 157, 578, 024 154, 940, 064 186, 214, 568 164, 103, 316 239, 739, 756 223, 165, 643 227, 880 5, 090, 000 6, 080, 660, 66	329, 893, 161 316, 025, 706	216, 921, 536	176, 731, 486		12, 869, 647	10, 458,	5.65	5.98	5.92
1936	\$40, 190, 050 93, 995, 228	134, 185, 278	3, 677, 080 202, 162, 321 8, 059, 005	, 598 194, 103, 316 , 907 718, 153 , 787 107, 336, 782	302, 158, 251 284, 926, 771	577, 331 190, 158, 957	96, 698, 244 120, 152, 056 149, 419, 057 176, 731,	18, 087, 745	13, 081, 231	10, 669, 828	6.35	6.88	7.14
1935	\$41, 289, 750 \$ 92, 324, 312	59,	677, 080 194, 273, 603 8, 059, 005	186, 214, 598 4, 320, 907 77, 159, 787	267, 695, 292 239, 926, 278	170, 577, 331	120, 152, 056	8, 999, 408	5, 351, 691	2,940,288	3, 75	3.14	2, 45
1934	\$69, 560, 800 \$ 92, 058, 968	151, 619, 768 35, 951, 522 359, 502	187, 930, 792 32, 990, 728	154, 940, 064 4, 163, 500 53, 053, 700	212, 157, 264 211, 496, 619	156, 259, 044		3 161, 174	3 3, 543, 844	37, 117, 492	3 0.08	3 2, 27	3 7.36
1933	560, 800 \$59, 560, 800 289, 344 91, 289, 344	150, 850, 144 39, 326, 317 392, 291	190, 568, 752 187, 32, 990, 728 32,	157, 578, 024 4, 439, 100 48, 818, 850	210, 835, 974 213, 666, 909	159, 367, 658	99, 806, 858	3 1, 133, 293	8 4, 584, 724	3 8, 158, 372	\$ 0, 53	3 2. 88	3 8, 17
1932	\$59, 91,	150, 850, 244 150, 850, 144 150, 850, 144 150, 872 152, 677, 763 42, 698, 739 1, 798, 101 1, 748, 101 599, 138	205, 276, 008 194, 148, 021 32, 990, 728 32, 990, 728	161, 157, 293 4, 615, 300 50, 725, 250	216, 497, 843 226, 906, 887	79, 940, 658 133, 022, 725 177, 684, 384 166, 721, 287 159, 367, 658 156, 259, 044 170,	534 107, 160, 487	436, 935 3 5, 402, 948 3 8, 847, 826 3 1, 133, 293	3 9, 312, 017 312, 507, 501,	665 116, 081, 149	3 3, 90	3 7.50	3 15.01
1931	\$59, 560, 800 \$59, 91, 289, 344 91,	150, 850, 144 52, 677, 763 1, 748, 101	205, 276, 008 32, 990, 728	172, 285, 280 1 5, 000, 000 60, 030, 650	237, 315, 930 244, 641, 909	177, 684, 384		3 5, 402, 948	3 9, 312, 017	885,	3 2, 21	3 5. 24	3 10, 91
1930	\$59, 560, 900 \$59, E	150, 850, 244 63, 425, 872 1, 798, 101	16, 074, 217 32, 990, 728	183, 083, 489 5, 000, 000 63, 884, 400	251, 967, 889 184, 878, 915	133, 022, 725	90, 742, 275 118, 123,	436, 935	3 3, 522, 003	3 6, 164, 507 312,	0.24	3 2, 65	3 6. 79
1929	\$25,000,000 55,622,028	0000	1, 158, 000 115, 952, 689 32, 990, 728	82, 961, 961 271, 980 34, 556, 000	, 854 117, 789, 941 , 976 113, 732, 898	79, 940, 658	54, 940, 658	13, 102, 222	10, 938, 044 3,	9, 188, 044	11. 52	13. 68	16. 72
1928	\$25, 000, 000 53, 173, 512	78, 173, 512 29, 480, 356 1, 756, 214	500, 000 109, 910, 082 32, 990, 728	76, 919, 354	109, 675, 854 93, 278, 976	67, 502, 226	42, 502, 226	6, 801, 760	5, 142, 450	3, 392, 450	7. 29	7.62	7.98
	Capital stock: 1. Preferred 2. Common	3. Total. 4. Surplus—earned and capital. 5. Surplus and contingency re- serves. 6. Receives for Federal income and	profits taxes	9. Stockholders' investment 10. Minority stockbolders equity in 11. Long-term debt*		14. Average of stockholders' invest-		eral income and profits taxes: 16. Applicable to total investment		d i	Kate of return on total investment (16+13)	ment (17+14)	Rate of return on common stockhold- ers' equity (18+15)percent

³ Less unamortized debt discount and expenses. Denotes loss.

APPENDIX TABLE 13a.—Summary of income, expenses, and surplus for the Republic Steel Corporation and subsidiaries, 1917-38

1 04.0	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	. 1928
52, 269, 575 61, 743, 002	002 43,	43, 258, 128 6	64, 531, 020	21, 431, 894	38, 099, 723	559, 043, 131 \$ 51, 538, 103	\$43, 982, 523 41, 313, 268	\$53, 907, 959 48, 891, 863	\$53, 890, 444 (47, 583, 204	\$44, 550, 040 40, 763, 008	
26, 055, 886 13, 481, 108 439, 303 729, 767	6,	614, 217 1 575, 496 8	614, 217 11, 811, 200 3 675, 145 675, 496 21, 643, 875 3 4, 183, 124		1,023,985 331,454	7, 505, 028 667, 004	2, 669, 255 645, 303	5,016,096	6, 307, 240	3, 787, 032	\$6, 233, 595 568, 165
26, 495, 139 14, 210, 875 759, 335 738, 182		3, 189, 713 10	10, 167, 325	3 4, 858, 269 806, 974	1, 355, 439	8, 172, 032 1, 226, 640	3, 314, 558 1, 122, 632	5, 433, 397 1, 278, 397	6, 766, 317 1, 183, 613	4, 492, 456 1, 042, 991	6, 801, 760 1, 659, 310
25, 735, 854 13, 472, 693		2, 456, 310	9, 429, 358	2 5, 665, 243	478,072	6, 945, 392	2, 191, 926	4, 155, 000	5, 582, 704	3, 449, 465	5, 142, 450
9, 878, 657 5, 680, 759	@	315, 113	1,812,835		29, 760	693, 174	273, 990	341, 516	517,682	431, 183	500,000
15, 857, 197 7, 791, 934 18, 236, 251 30, 711, 988	35,	2, 141, 197 35, 122, 462 3.	7, 166, 523 33, 880, 972	\$ 5, 665, 243 37, 441, 572	29, 576, 329	6, 252, 218 29, 994, 641	1, 917, 936 33, 003, 836	3, 813, 484	5, 065, 022 33, 562, 389	3, 018, 282 34, 836, 163	4, 642, 450 34, 904, 445
34, 093, 448 38, 503, 922		37, 263, 659 4	41, 497, 495	31, 776, 329	29, 994, 641	36, 246, 859	34, 921, 772	36, 735, 256	38, 627, 411	37, 854, 445	39, 546, 895
1, 631, 460 1, 750, 060 1, 750, 000	4,4,	1, 632, 687	1, 863, 000	1, 750, 000		3, 250, 000	2,000,000	1,750,000	600,000	1, 200, 000	2, 107, 837 1, 750, 000
3, 381, 460 3, 381, 460	က်	3, 382, 687	3, 550, 000	2, 200, 000		3, 250, 000	2,000,000	1,750,000	2, 350, 000	2, 950, 000	3, 857, 837
							1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1, 422, 867	3 1, 441, 248	9 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 4, 522, 866
	1 1 11		\$ 505, 923			6,977	5 3 E 1 0 E 2 0 0 1 0 0 0 0				3 845, 170 3 472, 581 3 368, 085
30, 711, 988 35, 122, 462		33, 880, 972 3	37, 441, 572	29, 576, 329	29, 994, 641	33, 003, 836	32, 921, 772	33, 562, 389	34, 835, 163	34, 904, 445	29, 480, 356

See footnotes at end of table.

APPENDIX TABLE 13A.—Summary of income, expenses, and surplus for the Republic Steel Corporation and subsidiaries, 1917-38—Continued

APPENDIX LABLE 19A: Dumming of	(campana)		• -	.							
	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	Totals
				\$47, 604, 636	847 604 636 \$79. 807. 199 \$96, 824, 857 \$136, 164, 554	396, 824, 857	\$136, 164, 554	\$218, 317, 399	\$218, 317, 399 \$250, 447, 744	\$140, 879, 763	1
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			200 (200 (27)							
Cost of goods sold.				42, 294, 654 5, 939, 568	5, 876, 246	81, 522, 103 7, 012, 094 7, 839, 465	110, 921, 652 8, 037, 468 8, 230, 200	176, 620, 234 13, 178, 917 10, 130, 485	207, 576, 923 15, 232, 620 10, 756, 486	121, 251, 323 13, 154, 544 10, 897, 020	
Provision for depreciation and depletion			1	1, 010, 002		06 373 669	127 189 320	199, 929, 636	233, 566, 029	145, 302, 887	
Total operating expenses	1 1 1 1 1 1 1 1 1			33, 743, 034	00, 009, 051	00, 01.0, 00.0			Ш		
Net income from operations	\$11, 974, 964 1, 127, 258	2 \$402, 160 839, 095	2\$4,893,725 2 509,223	2 8, 140, 418 2 707, 408	2 252, 622 2 880, 671	451, 195 2 612, 369	8, 975, 234	18, 387, 763	16, 881, 715	2 4, 423, 124 1, 350, 457	1,027,482
Net income applicable to total invest-	13, 102, 222	436, 935	2 5, 402, 948	2 8, 847, 826 291, 351	C4	² 161, 174 262, 669	8, 999, 408	18, 087, 745	17, 866, 607 38, 824 4 058 136	2 3, 072, 667 2 30, 505 4 584 663	125, 415, 801 1, 789, 064 49, 109, 057
Less amount due minority merest.	2, 061, 322	60	3, 609, 069	3, 368, 324	3, 181, 038	3, 120, 001	5, 440, 855	4, 304, 322	x, 200, 130	, co t, co	
Net income applicable to stockholders' investment	10, 938, 044	10, 938, 044 23, 522, 003 29, 312, 017 212, 507, 501	2 9, 312, 017		2 4, 584, 724	2 3, 543, 844 8, 356	5, 351, 691	13, 081, 231 3. 000, 000	12, 869, 647 3, 300, 000	2 7, 626, 825	74, 517, 680 28, 675, 188
Provision for Federal Income and prome taxes Net income for the year	9, 780, 044	23, 522, 003	2 9, 312, 017	212, 507, 501 52, 677, 763	2 4, 584, 724 42, 698, 739	2 3, 552, 200 39, 326, 317	4,647,528	10, 081, 231 59, 982, 461	9, 569, 647 64, 299, 963	2 7, 626, 825 67, 002, 376	45, 842, 492
Surplus beginning of the year	39, 260, 400		54, 113, 855	40, 170, 262	38, 114, 015	35, 774, 117	40, 599, 051	70, 063, 692	73, 869, 610	59, 375, 551	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tess dividends paid on—										1	16, 856, 630
Common stock in cash	3, 359, 390	1, 749, 092			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		513, 529	4, 309, 277	3, 846, 567	423, 455	33, 591, 920
Total	5, 109, 390						513, 529	4, 309, 277	3,846,567	423, 455	50, 448, 550
Other net additions or deductions: Discount and premium on bonds and stock			277.864	1, 246, 306	535, 471	92, 772	\$ 298, 552	\$ 1,097,580			756, 281
purchased for retirement. Writing off bills receivable, departmental	1				•		0	000	0 4 4 6	301 061	34 830 064
charges, investments, and additional de-	3 2, 227, 479	3 2, 227, 479 3 1, 868, 992	1, 306, 250	3 42, 500	109, 509	17 164	2 20, 000, 000	200, 000	, 2, 440, 007	nor 'ner	527, 739
Adjustment of Federal income taxes				1, 302, 509		101.1	\$ 560,077	2 90, 930			1, 123, 588
Consolidation and merger expenses.		41,211,695		1			40 833 493			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40, 833, 493
Reduction in value of stock to surplus				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			3 150,000	\$ 482, 500	\$ 525, 500	3 371,000	1, 529, 000
Provision for contangencies	220, 568	3 346, 039	\$ 407, 706	21, 802	514, 446	67, 470	72,075	16, 558	48,010		100, 201
	32, 144, 099	63, 425, 872	52, 677, 763	42, 698, 739	39, 326, 317 35, 951, 523	35, 951, 523	59, 982, 461	64, 299, 963	67,002,376	58, 711, 282	
Surpins end of year											and and an arrange

1 Data for years 1917 to 1927, inclusive, are designated by the company as "Volume of business"; and from 1928 to 1931, inclusive, no information available regarding amount of sales. 3 Denotes loss adduction.

Norg.-Figures for years prior to 1930 are for Republic Iron & Steel Co.

APPENDIX TABLE 14.—Summary of investments, profits, and rates of return for Jones & Laughlin Steel Corporation and subsidiaries, 1917-38 1

1927	\$58, 331, 800 57, 332, 000	115, 663, 800 53, 413, 072 7, 051, 754	3, 000, 809	179, 129, 435	12, 982, 000	192, 111, 435 190, 869, 176	176, 590, 676	118, 906, 576	13, 553, 843	12, 805, 822	8, 726, 485	7.10	7.25	7.34
1926	\$57, 036, 400 57, 332, 000	114, 368, 400 49, 270, 070 6, 944, 499	3, 468, 948	141, 179, 077 166, 284, 021 147, 879, 063 152, 631, 507 153, 013, 919 157, 535, 866 164, 636, 658 174, 051, 917	15, 575, 000	189, 626, 917 185, 681, 788	169, 344, 288	112, 400, 688	18, 078, 195	17, 227, 714	13, 236, 795	9.74	10.17	11.78
1925	\$56, 850, 800 57, 332, 000	114, 182, 800 1 40, 941, 835 6, 902, 796	2, 609, 227	164, 636, 658	17, 100, 000	181, 736, 658 178, 814, 762	161, 086, 262 169,	943 104, 696, 662 112,	12, 242, 395	11, 317, 358	7, 323, 977	6.85	7.03	2.00
1924	\$55, 928, 400 57, 332, 000	113, 260, 400 35, 080, 722 6, 824, 994	2, 369, 750	157, 535, 866	18, 357, 000	175, 892, 866 174, 320, 893	155, 274, 893 161, 086,	99, 387,	10, 803, 716	9, 804, 041	5, 882, 104	6.20	6.31	5, 92
1923	\$55, 845, 500 \$55, 928, 400 57, 332, 000	113, 177, 500 30, 808, 275 6, 665, 998	2, 362, 146	153, 013, 919	19, 735, 000	184, 203, 741 170, 191, 063 173, 715, 507 172, 748, 919 175, 892, 866 181, 736, 658 172, 068, 759 177, 197, 402 171, 953, 285 173, 232, 213 174, 320, 803 178, 814, 762	152, 822, 713 155,	721, 549 157, 071, 542 150, 255, 285 124, 899, 963	13, 472, 575	12, 406, 145	8, 526, 272	7.78	8. 12	6.83
1922	\$30,000,000	30, 000, 000 115, 049, 256 6, 602, 593	979, 658	152, 631, 507	21, 084, 000	173, 715, 507 171, 953, 285	150, 255, 285	150, 255, 285	6, 652, 455	5, 511, 843	5, 511, 843	3.87	3.67	3.67
1921	\$29, 470, 000	29, 470, 000 30, 000, 000 110, 914, 871 115, 049, 256 6, 602, 593 6, 602, 593	891, 599	147, 879, 063	22, 312, 000	170, 191, 063 177, 197, 402	721, 549 157, 071, 542 150, 255, 285 152, 822,	157, 071, 542	4 2, 551, 759	43, 490, 026	4 3, 490, 026	4 1. 44	4 2, 22	4 2, 22
1920	\$29, 525, 000	29, 525, 000 118, 950, 657 7, 500, 000	19, 288, 364	166, 264, 021	17, 939, 720	184, 203, 741 172, 058, 759	153, 721, 549	697 153, 721, 549	31, 812, 015	30, 870, 597	30, 870, 597	18, 49	20.08	20.08
1919	\$29, 257, 500	29, 257, 500 102, 206, 197	9, 715, 380	141, 179, 077	5, 700	157, 112, 017 159, 9 13, 777 159, 190, 060 158, 512, 897	302, 360 138, 766, 697 153,	766,	23, 621, 348	22, 591, 208	22, 591, 208	14.90	16.28	16.28
1918	\$29, 167, 500	29, 167, 500 90, 933, 960	16, 252, 857	136, 354, 317	5, 700 20, 752, 000	, 507, 560 159, 190, 060	360 138, 302, 360	138, 302, 360 138,	21, 573, 988	20, 512, 607	20, 512, 607	13.55	14.83	14.83
1917	\$28, 987, 500	28, 987, 500 89, 514, 554 128, 443	21, 621, 906	260, 317 140, 252, 403 136, 354, 317	5, 700 21, 010, 000	161, 268, 103 141, 507, 560	119, 256, 360	119, 256, 360 138,	47, 675, 913	46, 588, 793	46, 588, 793	33. 69	39. 06	39.06
1916	\$29,027,500	29, 027, 500 68, 703, 271 128, 443	401, 103	98, 260, 317	5, 700 23, 481, 000	121, 747, 017			1 1 1 1 1 1 1 1				1	
	Capital stock: 1. Preferred 2. Common	4. Surplus. 5. Confuigency reserves. 6. Reserves for Fodoral income and	profits taxes 1	7. Capital stock and surplus		Total investmentAverage of total investment	Average of stockholders ment	13. Average of common stockholders' equity.	Net income before deducting Federal income and profits taxes: 14. Applicable to total investment.	1 10	16. Applicable to common stock-	Rate of return on total investment (14+11)	Rate of return on stockholders' invest- ment (15÷12)	Rate of return on common stockhold- ers' equity (16+13)percent

See footnotes at end of table.

APPENDIX TABLE 14.—Summary of investments, profits, and rates of return for Jones & Laughlin Steel Corporation and subsidiaries, 1917-38—Continued

Annual						588 670 \$182, 959, 802	165, 448, 278	121, 516, 912	11,039,140	10, 168, 753	7, 212, 944	6.03	6. 15	5.79
1938	\$58, 713, 900 57, 632, 000	116, 345, 900 45, 289, 755 2, 043, 546		136, 679, 201	47, 956, 437	212, 584, 588 207, 196, 670	166, 614, 404	107, 900, 504	4 3, 713, 617	4 5, 813, 616	4 9, 881, 801	4 1. 79	4 3, 49	4 9. 16
1937	\$58, 713, 900 \$ 57, 632, 000	116, 345, 900 50, 204, 472 2, 043, 546	955, 689	169, 549, 607	32, 259, 145	201, 808, 752 201, 939, 456	168, 803, 474	110, 089, 574	7,007,342	5, 613, 799	1, 503, 826	3.47	3. 33	1.37
1936	\$58, 713, 900 57, 632, 000	16, 345, 900 49, 304, 909 2, 043, 546	362, 986	168, 057, 341	34,012,818	202, 070, 159 188, 279, 063	168, 048, 152	109, 334, 252	5, 554, 157	4, 464, 600	354,627	2.95	2. 66	. 32
1935	\$58, 713, 900 57, 632, 000	48, 3,	216,048	187, 936, 457 199, 626, 313 200, 074, 181 188, 605, 409 175, 754, 183 170, 383, 694 167, 929, 024 168, 638, 963 168, 657, 341 169, 549, 607 136, 679, 201	6, 449, 003	210, 926, 181 198, 584, 409 185, 447, 784 178, 809, 926 175, 796, 889 174, 487, 966 202, 070, 159 201, 808, 752/212, 584, 210, 940, 247 204, 730, 295 191, 991, 097 182, 128, 855 177, 303, 408 175, 142, 428 188, 279, 063 201, 939, 456 207, 196,	339, 795 182, 179, 796 173, 073, 939 169, 161, 359 167, 983, 994 168, 048, 152 168, 803, 474 166, 614, 404	347 135, 625, 895 123, 465, 896 114, 360, 039 110, 447, 459 109, 270, 094 109, 334, 252 110, 089, 574 107, 900,	100, 933	4 181, 950	4 4, 291, 923	0.00	11.1	4 3. 93
1934	\$58, 713, 900 \$58, 713, 900 57, 632, 000 57, 632, 000	116, 345, 900 48, 547, 581 3, 000, 000	35, 543	167, 929, 024	7, 867, 865	175, 796, 889 177, 303, 408	169, 161, 359	110, 447, 459	10, 674, 721 4 1, 728, 693 4 7, 468, 951 4 4, 075, 147 4 2, 376, 305	4 2, 719, 620	4 6, 829, 593	4 1.34	4 1.61	4 6.18
1933	\$58, 713, 900 57, 632, 000	16, 345, 900 51, 038, 671 3, 000, 000	9, 123	170, 393, 694	8, 416, 232	178, 809, 926 182, 128, 855	173, 073, 939	114, 360, 039	4 4, 075, 147	4 4, 471, 048	4 8, 581, 021	4 2. 24	4 2.58	4 7. 50
1932	\$58, 713, 900 \$58, 713, 900 57, 632, 000 57, 632, 000	16, 345, 900 56, 399, 814 3, 000, 000	8, 469	175, 754, 183	9, 693, 601	185, 447, 784 191, 991, 097	182, 179, 796	123, 465, 896	4 7, 468, 951	47,920,833	412,030,806	4 3.89	4 4.35	4 9.74
1931	\$58, 713, 900 57, 632, 000	16, 345, 900 67, 291, 440 4, 767, 628	200, 441	188, 605, 409	9, 929, 000	198, 534, 409 204, 730, 295	194, 339, 795	135, 625, 895	4 1, 728, 693	4 2, 242, 078	4 6, 352, 051	4 0.84	4 1.15	4 4. 68
1930	\$58, 713, 900 57, 632, 000	16, 345 74, 749 6, 787	2, 191, 650	200, 074, 181	10, 852, 000	210, 926, 181 210, 940, 247	199, 850, 247 194,	141, 136, 347		10, 121, 706	6, 011, 733	5.06	5.06	4.26
1929	\$58, 713, 900 57, 632, 000	116, 345, 900 72, 897, 638 6, 871, 174	3, 511, 601	199, 626, 313	11, 328, 000	210, 954, 313 205, 773, 385	532, 946 193, 781, 385 199,	125, 009, 496 135, 066, 885 141, 136,	23, 777, 575	23, 182, 869	19, 072, 854	11.56	11.96	14.12
1928	\$58, 715, 100 57, 632, 000	116, 347, 100 61, 219, 465 6, 966, 085	3, 403, 807	187, 936, 457	12, 656, 000	200, 592, 457 196, 351, 946	183, 532, 946	125, 009, 496	18, 174, 378	17, 532, 640	13, 428, 266	9. 36	9, 55	10.74
	Capital stock: 1. Preferred 2. Common.	3. Total	profits taxes 2	7. Capital stock and surplus 8. Minority stockholders' equity in	9. Long-term debt 3	10. Total investment		equity	14. Applicable to total investment.		holders' equity	7	ment (15 ± 12)percent.	equity (16 +13)

1 In 1922 the company's name was changed from Jones & Laughlin Steel Co. to Jones & Laughlin Steel Corporation.
2 Reserve for Federal income and profits taxes not available for 1938.
3 Less unamorized debt discount and expense.
4 Denotes loss.

APPENDIX TABLE 144.—Summary of income, expenses, and surplus for Jones & Laughlin Steel Corporation 1 and subsidiaries, 1917-38

AFFENDIA LABLE 14A: DW	TA. Dallinary of income, emperiors, and say peak for a constant and say and say and say and say and say and say	ra (annoana	in foods of	and me an							
	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Net sales	\$129, 810, 539	\$128, 923, 400	\$103, 243, 608	\$148, 615, 441	\$39, 930, 625	\$72, 309, 755	\$108, 482, 551	\$95, 197, 184	\$95, 197, 184 \$109, 261, 241	\$115, 182, 341	\$104, 617, 400
Cost of goods sold	74, 410, 113	99, 506, 048	72, 770, 347	109, 896, 112	38, 901, 251	59, 454, 842	86, 624, 851	76, 601, 240	88, 248, 138	86, 727, 065	81, 500, 576
Distribution and administrative ex-	2, 897, 812	4, 069, 690	4, 387, 868	4, 780, 029	4, 574, 043	5, 115, 443	6, 178, 181	5, 904, 891	6, 215, 579	7, 744, 961	7, 630, 237
Provision for depreciation and depie-	5, 947, 798	5, 888, 351	4, 668, 926	5, 161, 155	2, 448, 678	4,026,469	4, 746, 868	4, 238, 449	4, 792, 050	5, 210, 631	4, 572, 359
Total operating expenses	83, 255, 723	109, 464, 089	81, 827, 141	119, 837, 296	45, 923, 972	68, 596, 754	97, 549, 900	86, 744, 580	99, 255, 767	99, 682, 657	93, 703, 172
Net income from operationsOther income (net)	46, 554, 816 1, 121, 097	19, 459, 311 2, 114, 677	21, 416, 467 2, 204, 881	28, 778, 145 3, 033, 870	3, 441, 588	3, 713, 001 2, 939, 454	10, 932, 651 2, 539, 924	8, 452, 604 2, 351, 112	10, 005, 474 2, 236, 921	15, 499, 684 2, 578, 511	10, 914, 228 2, 639, 615
Net income applicable to total investment.	47, 675, 913	21, 573, 988	23, 621, 348	31, 812, 015	2, 551, 759	6, 652, 455	13, 472, 575	10, 803, 716	12, 242, 395	18, 078, 195	13, 553, 843
Less: Income applicable to minority in-											
Interest on long-term debt	1,087,120	1,061,381	1,030,140	941, 418	938, 267	1, 140, 612	1,066,430	999, 675	925,037	850, 481	748,021
	46, 588, 793	20, 512, 607	22, 591, 208	30, 870, 597	13, 490, 026	5, 511, 843	12, 406, 145	9, 804, 041	11, 317, 358	17, 227, 714	12, 805, 822
frovision for Federal Income and pro- fits taxes	19, 966, 760	13, 218, 076	5, 470, 971	8, 259, 512	120,011	77, 708	1, 492, 267	1, 177, 812.	1, 362, 864	2, 078, 620	1, 566, 883
Net income for the yearSurplus beginning of the year	26, 622, 033 68, 703, 271	7, 294, 531	17, 120, 237 90, 933, 960	22, 611, 085 102, 206, 197	, 3, 610, 037 118, 950, 657	5, 434, 135 110, 914, 871	10, 913, 878 115, 049, 256	8, 626, 229 30, 808, 275	9, 954, 494	15, 149, 094 40, 941, 835	11, 238, 939 49, 270, 070
Total	95, 325, 304	96, 809, 085	108, 054, 197	124, 817, 282	115, 340, 620	116, 349, 006	125, 963, 134	39, 434, 504	45, 035, 216	56, 090, 929	60, 509, 009
Less dividends paid in cash ou: Common stock. Preferred stock.	5, 810, 750	5, 875, 125	5, 848, 000	5, 866, 625	4, 425, 749	2, 919, 750	3, 879, 873	3, 921, 937	3, 993, 381	2, 579, 940 3, 990, 919	2, 866, 600 4, 079, 337
Total	5, 810, 750	5, 875, 125	5, 848, 000	5, 866, 625	4, 425, 749	2, 919, 750	3, 879, 873	3, 921, 937	3, 993, 381	6, 570, 859	6, 945, 937
See footnotes at end of table.											

APPENDIX TABLE 14A.—Summary of income, expenses, and surplus for Jones & Laughlin Steel Corporation and subsidiaries, 1917-38—Continued

	1927		1	4 \$150,000	53, 413, 072	Total	\$111. 343. 885 \$126. 748. 956 \$90, 412, 500 \$54, 877, 021 \$29, 060, 697 \$44, 631, 257 \$47, 982, 341 \$63, 553, 840 \$994, 409, 455 \$117, 475, 523 \$75, 410, 901 \$2, 010, 480, 461	1, 555, 193, 202	143, 020, 200	113, 574, 994	1, 811, 788, 396	198, 692, 065 44, 169, 012	242, 861, 077	41, 788	223, 712, 571
	1926			4 \$250, 000	49, 270, 070	1938	\$75, 410, 901	63, 705, 221	10, 362, 750	5, 971, 879	80, 039, 850	¹ 4, 628, 949 915, 332	7,007,342 13,713,617	41, 788 2, 058, 211	5, 613, 799 2 5, 813, 616
	1925			4 \$100,000	40, 941, 835	1937	\$117, 475, 523	93, 825, 379	10, 402, 546	7, 319, 998	111, 547, 923	5, 927, 600 1, 079, 742	7,007,342	1, 393, 543	
	1924	V		4 \$431, 845	35, 080, 722	1936	\$94, 409, 455	75, 670, 491	7, 758, 748	6, 391, 759	89, 820, 998	4, 588, 457	5, 554, 157	1,089,557	4, 464, 600
	1923	1\$120,000,000	30, 000, 000	4 1, 274, 986	30, 808, 275	1935	\$63, 553, 840	52, 750, 271	6, 185, 456	5, 511, 549	64, 447, 276	994, 369	100, 933	282, 883	181, 950
	1922			\$1,620,000	llI	1934	\$47, 982, 341	40, 965, 486	5, 549, 051	4, 859, 108	51, 373, 645	8, 157, 222 13, 540, 416 18, 649, 188 15, 103, 245 13, 391, 304 2, 517, 499 1, 811, 723 1, 180, 237 1, 028, 998	10, 674, 721 21, 728, 683 27, 468, 951 24, 075, 147 22, 376, 305	343, 315	23, 182, 869 10, 121, 706 3 2, 242, 078 3 7, 920, 833 3 4, 471, 048 2 2, 719, 620
1	1921			60	\$89, 514, 554 890, 933, 960 \$102, 206, 197 \$118, 950, 657 \$110, 914, 871 115, 049, 256	1933	\$44, 631, 25	39, 288, 042	5, 388, 828	5,057,632	49, 734, 502	1, 028, 098	2 4, 075, 14	395, 901	3 1 4, 471, 04
2000	1920				950, 657 \$110	1932	\$28,060,697	26, 491, 622	5, 590, 094	4, 628, 169	36, 709, 885	1, 180, 237	17, 468, 951	451, 882	1 7, 920, 83
					6, 197 \$118, 9	1931	\$54,877,021	46, 464, 051	6, 833, 520	5, 119, 866	58, 417, 437	13, 540, 416 1, 811, 723	11,728,693	513, 385	3 2, 242, 078
	1919		1		960 \$102, 20	1930	390, 412, 500	69, 132, 623	7, 755, 198	5, 367, 457	82, 255, 278	1	10, 674, 721	553,015	10, 121, 706
	1918				54 \$90, 933,	1929	26, 748, 956	90, 084, 972	9, 751, 208	6, 196, 315	106, 032, 495	20, 716, 461 3, 061, 114	23, 777, 575	594, 706	23, 182, 869
	1 1917	11128			\$89, 514, 5	1928	11, 343, 885 \$1	82, 174, 461	7, 944, 067	5, 449, 528		775, 829	18, 174, 378	641, 738	17, 532, 640
		Capital stock, Jones & Laughlin Steel Corporation, issued in exchange for capital stock of Jones & Laughlin Steel Co. (predecessor) on basis of 2 shares of preferred stock and 2 shares of common stock (or 1 share of com-	mon stock of predecessor company Capital stock of Jones & Laughlin	Steel Co., retired	Surplus end of the year		Not color	Plos	administrative	Provision for depreciation and	ating expenses	1 1	icable to	Less: Income applicable to minority interest 2	Net income applicable to stockholders' investment.

61, 623, 534	162, 089, 037		48, 007, 099 44, 519, 728	92, 526, 827					4 120, 000, 000	000 000 000	4 2, 975, 726	
66, 342	25, 879, 958 50, 204, 472	44, 324, 514									965, 241	45, 289, 755
825, 000	4, 788, 799	54, 093, 708	3, 082, 480	3, 082, 480							4 806, 756	50, 204, 472
335, 000	4, 129, 600 48, 477, C.5	52, 606, 615	2, 201, 771	2, 201, 771							4 1,099,935	49, 304, 909
216, 766	² 398, 716 48, 547, 581	48, 148, 865									328,150	48, 477, 015
31,753	² 2, 751, 373 51, 038, 671	51, 928, 766 48, 287, 298		1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							260, 283	51, 038, 671 48, 547, 581
	72, 283, 459	51, 928, 766	440, 354	440, 354							4 449, 741	
10,685	27, 910, 148 67, 291, 440	59, 381, 292	2, 495, 341	2, 495, 341						1 1 1 1 1 1 1 1 1 1 1 1 1	4 486, 137	56, 399, 814
41, 381		72, 465, 893	864, 480 4, 109, 973	4, 974, 453							4 200,000	67, 291, 440
1, 028, 419	9, 093, 287 72, 897, 638	81, 990, 925	2, 881, 600 4, 109, 973	6, 991, 573						1	4 250,000	74, 749, 352
2, 334, 121	20, 848, 748 61, 219, 465	82, 068, 213	4, 610, 560 4, 110, 015	8, 720, 575						3 1 1 1 6 8 9 9 9 9 9	4 450,000	72, 897, 638
1, 963, 953	15, 568, 687 53, 413, 072	68, 981, 759	3, 457, 920 4, 104, 374	7, 562, 294						0 1 0 1 1 1 1 2 1 1 2 3 3	4 200, 000	61, 219, 465
Provision for Federal income and profits taxes	Net income for the year	Total	Less dividends paid in cash on: Common stock	Total	Capital stock, Jones & Laughton Steel Corporation, issued in ex-	change for capital stock of Jones & Laughton Steel Co. (prede-	cessor) on basis of 2 shares of	common stock for 1 share of	common stock of predecessor	Capital stock of Jones & Laughlin	Steel Co., retiredOther net additions or deductions_	Surplus end of the year

· 124491—41—pt. 31——18

In 1922 the company's name was changed from Jones & Laughlin Steel Co. to Jones & Laughlin Steel Corporation.

 $^{1}\,\mathrm{Loss}$. Alo amounts reported for earnings applicable to minority interest (\$5,700) for the years 1917–20. $^{4}\,\mathrm{Deduction}$.

APPENDIX TABLE 15.—Summary of investments, profits, and rates of return for National Steel Corporation, 1930-38

Annual		\$54, 969, 175 71, 389, 680	59, 501	128, 228, 356	6, 072, 893	55, 463	61, 729, 960	85, 423	179, 009, 187 \$144, 350, 340 119, 155, 112 102, 956, 812	10, 712, 173 11, 789, 262	8, 297, 248 9, 735, 132	5.98 8.17	6.96 9.46
	1930	5 \$54, 96 9 71, 38	0 1,869,			1 122, 155, 463	-	1 183, 885,				44	
100	1937	\$54, 196, 925 66, 433, 209	1, 597, 520	122, 227, 654	6, 072, 893	116, 154, 761	57, 978, 190	174, 132, 951	168, 569, 727 110, 649, 924	26, 024, 146	23, 626, 013	15.44	21.35
000	1936	\$54, 056, 925 56, 131, 836	1,029,219	111, 217, 980	6, 072, 893	105, 145, 087	57, 861, 416	163, 006, 503	159, 449, 327 106, 101, 702	18, 139, 292	15, 856, 304	11.38	14.94
	1935	\$53, 924, 425 58, 284, 298	922, 488	113, 131, 211	6, 072, 893	107, 058, 318	48, 833, 834	155, 892, 152	148, 226, 549 104, 159, 966	15, 308, 552	. 13, 051, 785	10.33	12.53
	1934	\$53, 894, 425 52, 714, 398	725, 684	107, 334, 507	6, 072, 893	101, 261, 614	39, 299, 333	140, 560, 947	138, 646, 453 99, 215, 953	9, 226, 949	7, 256, 878	99.9	7.31
	1933	\$53, 894, 425 48, 819, 453	529, 307	103, 243, 185	6, 072, 893	97, 170, 292	39, 561, 667	136, 731, 959	137, 544, 993 96, 864, 160	5, 300, 529	3, 295, 070	3.85	3.40
	1932	\$53, 894, 425 48, 347, 617	388, 879	102, 630, 921	6, 072, 893	96, 558, 028	41, 800, 000	138, 358, 028	139, 105, 960 97, 730, 598	3, 941, 112	1,813,097	2.83	1.86
	1931	\$53, 894, 425, 50, 531, 738	549, 898	104, 976, 061	6, 072, 893	98, 903, 168	40, 950, 724	139, 853, 892	124, 351, 338 98, 766, 481	7, 183, 635	4, 959, 441	5.78	5.02
	1930	\$53, 720, 425 50, 660, 268	321, 993	104, 702, 686	6, 072, 893	98, 629, 793	12, 734	108, 848, 784	104, 249, 526 93, 967, 411	10, 266, 973	9, 460, 357	9.82	10.02
	1929	\$51, 797, 650 43, 580, 271	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	95, 377, 921	6, 072, 893	89, 305, 028	523, 708 9, 821, 532	99, 650, 268					
		n apital	3, Reserves for Federal income and profits taxes.	4. Capital stock and surplus	5. Less goodwill, appreciation, and other intangibles.	6. Stockholders' investment.	7. Minority stockholders' equity in sub- sidiaries.	9. Total investment	10. Average of total investment.	income before deducting regeral income and profits taxes: Applicable to total investment	13. Applicable to stockholders' in-	Rate of return on total investment (12+10)	Rate of teturn on stockholders' invest- ment (13+11)do

1 Less unamortized debt discount and expenses.

APPENDIX TABLE 154.—Summary of income, expenses, and surplus for National Steel Corporation, 1930-38

	Total	\$769, 501, 824	599, 451, 145 35, 363, 978 35, 090, 690	669, 905, 813	99, 596, 011 6, 507, 350	106, 103, 361	2, 776	87, 616, 193	16, 089, 162	71, 527, 031	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33, 423, 139	1 9, 753, 629	3, 280, 994	1 4, 322, 104 500, 256	
	1938	\$89, 503, 232	68, 327, 669 5, 232, 671 5, 487, 985	79, 048, 325	10, 454, 907 257, 266	10, 712, 173	2,414,925	8, 297, 248	1, 635, 596	6, 661, 652 66, 433, 209	73, 094, 861	2, 168, 532		463, 351		71, 389, 680
in in it	1937	\$145, 933, 348	110, 313, 669 5, 741, 725 5, 272, 117	121, 327, 511	24, 605, 837 1, 418, 309	26, 024, 146	2, 398, 133	23, 626, 013	5, 824, 120	17, 801, 893 56, 131, 836	73, 933, 729	7, 584, 520		84,000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	66, 433, 209
od too assay	1936	\$123, 074, 149	96, 372, 150 4, 978, 907 4, 844, 158	106, 195, 215	16, 878, 934 1, 260, 358	18, 139, 292	2, 282, 988	15, 856, 304	3, 314, 462	12, 541, 842 58, 284, 298	70, 826, 140	6, 749, 503	1 8, 029, 471	79,	5,170	56, 131, 836
200000000000000000000000000000000000000	1935	\$103, 176, 629	80, 667, 454 4, 277, 309 3, 929, 384	88, 874, 147	14, 302, 482 1, 006, 070	15, 308, 552	2, 256, 767	13, 051, 785	1, 915, 334	11, 136, 451 52, 714, 398	63, 850, 849	3, 233, 740	1.583.350	18,000	1 1, 873, 747	58, 284, 298
f and ma	1934	\$76, 328, 569	60, 285, 465 3, 703, 611 3, 653, 743	67, 642, 819	8, 685, 750 541, 199	9, 226, 949	1, 970, 071	7, 256, 878	1, 206, 156	6, 050, 722 48, 819, 453	54, 870, 175	2, 155, 777			3	52, 714, 398
apenses, an	1933	\$60, 821, 508	49, 967, 676 3, 037, 296 3, 091, 680	56, 096, 652	4, 724, 856 575, 673	5, 300, 529	2,005,459	3, 295, 070	482, 663	2, 812, 407 48, 347, 617	51, 160, 024	1, 347, 361	1 993 910			48, 819, 453
theome,	1932	\$13,603,761	34, 328, 525 2, 582, 205 3, 089, 913	40,000,643	3, 603, 118 337, 994	3, 941, 112	2, 128, 015	1, 813, 097	150, 178	1, 662, 919 50, 531, 738	52, 194, 657	1, 616, 832	1 147 508	000 (111)	1 2, 022, 610	48, 347, 617
a minual g	1931	\$62, 547, 474	49, 368, 791 3, 179, 724 3, 117, 402	55, 665, 917	6, 881, 557 302, 078	7, 183, 635	2, 224, 194	4, 959, 441	516, 118	4, 443, 323 50, 660, 268	55, 103, 591	4, 311, 554		177, 382	1 365, 747	50, 531, 738
JE 10A.	1930	\$64, 513, 154	49, 819, 746 2, 630, 530 2, 604, 308	55, 054, 584	9, 458, 570 808, 403	10, 266, 973	2, 776 803, 840	9, 460, 357	1,044,535	8, 415, 822 43, 580, 271	51, 996, 093	4, 255, 320		2, 922, 112	1 2, 617	50, 660, 268
APPENDIX TABLE 10A,—Duffiffurly of tifeoffice, caperioses, with our first of transfer exect on potation, 1000		Net sales	Cost of goods sold	Total operating expenses	Nct income from operations	Net income applicable to total invest- ment.	Less: Income applicable to minority stock- holders' equity Interest on long-term debt		Provision for Federal income and pronts	Net income for the yearSurplus beginning of the year	Total	Less dividends paid on common stock in	Revaluation of real estate, plant, mineral, and manufacturing prop-	Premiums on stock issues	expense expensions to surplus.	Surplus end of the year

Deduction.

Table 16.—Summary of investments, profits, and rates of return for Youngstown Sheet & Tube Co. and subsidiaries, 1917-38

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Capital stock: 1. Preferred. 2. Common.	\$9, 974, 400 18, 242, 945	\$9, 934, 300 18, 327, 806	\$9, 934, 300 18, 379, 017	\$9, 934, 300 18, 408, 980	\$9, 934, 300 19, 940, 607	\$9, 934, 300 19, 990, 750	\$9, 974, 400 20, 000, 000	\$14, 241, 100 75, 000, 000	14, 241, 100 75, 000, 000	14, 241, 100 75, 060, 000	\$14, 241, 100 75, 000, 000	\$14, 241, 100 75, 000, 000
3. Total	28, 217, 345 24, 187, 132	28, 262, 106 44, 190, 668	28, 813, 317 46, 290, 873	28, 343, 280 50, 170, 811	29, 874, 907 51, 654, 395	29, 925, 050 48, 848, 698 3, 013, 602	29, 974, 400 49, 664, 265	89, 441, 100 23, 127, 519 3, 584, 247	89, 241, 100 25, 417, 934 2, 691, 202	89, 241, 100 33, 382, 446 2, 003, 980	89, 241, 100 42, 637, 506 1, 849, 587	89, 241, 100 37, 197, 611 1, 540, 773
5. Contingency reserves 6. Reserves for Federal income and profits taxes		15, 591, 573	10, 140, 723	862, 399	1,057,928		410,000	1, 500, 000	989, 690	1, 700, 966	2, 436, 173	465, 257
Capital stock and surplus	52, 404, 477	88, 044, 347	84, 744, 913	79, 376, 490	82, 587, 230	81, 787, 350	80, 048, 665	117, 452, 866	117, 452, 866 118, 339, 926	126, 328, 292 136, 164, 366	136, 164, 366	128, 444, 741
Less: oth	42, 225	578, 094	682, 898	668, 108	661, 293	658, 103	651, 503	23, 128	1,088,420	942, 628	595, 032	595, 032
9. Stockholders' investment	52, 362, 252	87, 466, 253	84, 062, 015	78, 708, 382	81, 925, 937	81, 129, 247	79, 397, 162	117, 429, 738	117, 251, 506	125, 385, 664	135, 569, 334	127, 849, 709
10. Minority stockholders equity in subsidiaries.	1,460	2, 182	2, 741 219, 223	5, 998 163, 223	5, 195 718, 223	5, 166 528, 223	4,448	121, 021 69, 299, 926	55, 270 67, 431, 081	37, 592 64, 784, 496	30, 217 64, 241, 492	45, 847 72, 719, 598
Total investment	52, 363, 712	87, 703, 658	84, 283, 979	78, 877, 603	82, 649, 355	81, 662, 636	79, 737, 833	186, 850, 685	184, 737, 857	190, 207, 752	199, 841, 043	200, 615, 154
13. Average of total investment		70, 033, 685 69, 914, 252	85, 993, 818 85, 764, 134	81, 580, 791 81, 385, 198	80, 763, 479 80, 317, 159	82, 155, 995 81, 527, 592	80, 700, 235 80, 263, 204	133, 98,	294, 259 185, 794, 271 187, 472, 804 413, 450 117, 340, 622 121, 318, 585	187, 472, 804 121, 318, 585	195, 024, 397 130, 477, 499	200, 228, 098 131, 7 09, 522
15. Average of common stockholders' equity.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	59, 959, 902	75, 829, 834	71, 450, 898	70, 382, §59	71, 593, 292	70, 308, 854	86, 305, 700	103, 099,	522 107, 077, 485 116, 236,	116, 236, 399	117, 468, 422
Net income before deducting red- eral income and profits taxes: 16. Applicable to total investment.		38, 950, 501	15, 559, 158	7, 667, 608	8, 286, 817	2 138, 787	4, 138, 207	15, 003, 068	12, 691, 016	19, 185, 928	21, 511, 592	11, 002, 081
	1 1 1	38, 936, 547	15, 547, 042	7, 657, 330	8, 246, 153	2 167, 372	4, 119, 288	12, 834, 535	8, 291, 824	14, 927, 721	17, 318, 876	7, 023, 334
18. Applicable to common stock-		38, 241, 146	14, 851, 641	6, 961, 929	7, 550, 752	2 862, 773	3, 423, 887	11, 912, 325	7, 294, 947	13, 930, 844	16, 321, 999	6, 026, 457
Rate of return on total investment (16+13)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	55.62	18.09	9.40	10.26	2 0, 17	5, 13	11. 26	6.83	10.23	11.03	5.49
tockhold	1 1	55, 69	18.13	9.41	10. 27	2, 21	5, 13	13.04	7.07	12.30	13. 27	5, 33
ommon st		63.78	19. 59	9. 74	10.73	2 1.21	4.87	13.80	7.08	13.01	14.04	5. 13

Annual	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$165, 650, 756	112, 131, 517	98, 797, 945	10, 688, 035	7, 905, 486	7, 076, 256	6.45	7.05	7.16
1938	\$15, 000, 000 104, 902, 661	20,	349,000	141, 070, 413		141, 070, 413	32, 807 83, 866, 766	200, 999, 679 224, 969, 986 200, 146, 376 212, 984, 832	141, 768, 218	126, 768, 218	2, 841, 364	1 18, 905	2 843, 905	1, 33	3, 01	3.67
1937	\$15, 000, 000 104, 808, 461	119, 808, 461 20, 993, 897	2, 200, 057	143, 002, 415	536, 391	142, 466, 024	33, 655 58, 500, 000	200, 999, 679 200, 146, 376	131, 741, 424	116, 741, 424	16, 985, 948	14, 390, 648	13, 565, 648	8, 49	10.92	11.62
1936	\$15,000,000 \$15,000,000 \$15,000,000 86,494,819 104,808,461 104,902,661	01, 494, 819 19, 375, 547 175, 000	517, 940	121, 563, 306	546, 482	121, 016, 824	23, 250 78, 253, 000	199, 293, 074	114, 590, 204	99, 590, 204 116, 741, 424 126, 768, 218	5, 997, 113 14, 729, 441	11, 079, 406	10, 254, 406	7.50	9,67	10.30
1935		89, 870, 749 18, 404, 729 175, 000	119, 585	108, 571, 063	407, 479	108, 163, 584	20, 943 85, 337, 000	736, 464 193, 521, 527 199, 293, 074 269, 120 192, 128, 995 196, 407, 300	106, 364, 410	91, 364, 410	5, 997, 113	1, 717, 231	892, 231	3, 12	1.61	. 98
1934	\$15,000,000 \$15,000,000 74,870,749 74,870,749	89, 870, 749	34, 100	133, 174, 052 146, 508, 640 145, 131, 205 130, 539, 132 115, 967, 280 107, 456, 529 104, 829, 099 108, 571, 063 121, 563, 306 143, 002, 415 141, 070, 413	263, 863	132, 579, 020 146, 508, 640 145, 063, 926 130, 462, 714 115, 901, 883 107, 274, 260 104, 565, 236 108, 163, 584 121, 016, 824 142, 466, 024 141, 070, 413	23, 228 86, 148, 000	93, 269, 120	33, 214, 364 139, 543, 830 145, 786, 283 137, 763, 320 123, 182, 298 111, 588, 071 105, 919, 748 106, 364, 410 114, 590, 204 131, 741, 424 141, 768, 218	90, 919, 748	1, 738, 363	2, 631, 019	3,456,019	0.90	2 2, 48	13.80
1933	315, 000, 000 1 74, 870, 749	89, 870, 749 17, 585, 780		107, 456, 529 1	182, 269	07, 274, 260	27, 516 88, 500, 000	205, 888, 082 195, 801, 776 190, 214, 214, 799 200, 844, 929 193,	11, 588, 071	96, 588, 071	3, 881, 196	7, 659, 133 27, 040, 899 13,272, 783 28, 342, 901	1 9, 167, 901	1 1.93	2 7. 48	2 9, 49
1932	15, 000, 000 a 75, 187, 203	90, 187, 203		15, 967, 280	65, 397	15, 901, 883	19, 199 89, 967, 000	05, 888, 082 114, 214, 799	23, 182, 298	08, 182, 298	11, 252, 728 2, 675, 976 28, 720, 963 3, 881, 196	13,272,783	14,097, 783	2 4.07	\$ 10.77	13.03
1931	15, 000, 000 175, 167, 520	90, 167, 520 40, 281, 501 89, 269	842	30, 539, 132	76, 418	30, 462, 714	23, 803 92, 055, 000	22, 541, 517 19, 050, 680	37, 763, 320	22, 763, 320	3 2, 675, 976	2 7,040,899	6, 834, 133 27, 865, 899 2 14,097, 783	11. 22	2 5, 11	3 6, 41
1930	15, 000, 000 8 75, 451, 091	90, 451, 091 51, 912, 590 2, 144, 524	623,000	45, 131, 205	67, 279	45, 063, 926	27, 917 70, 468, 000	15, 559, 843 17, 003, 803	45, 786, 283 1	30, 786, 283	11, 252, 728	7, 659, 133	6, 834, 133	5. 19	5. 25	5. 23
1929	\$15, 000, 000 \$1	90, 342, 683 51, 729, 885 2, 226, 072	2, 210, 000	46, 508, 640		46, 508, 640 1	31, 124 71, 908, 000	205, 692, 516 218, 447, 764 215, 559, 843 222, 541, 517 203, 153, 835 212, 070, 140 217, 003, 803 219, 050, 680	39, 543, 830 1	115, 583, 814 124, 543, 830 130, 786, 283 122, 763, 320 108, 182, 298	27, 394, 899	23, 774, 174	22, 949, 174	12.92	17.04	18, 43
1928	\$15,000,000 75,199,715	90, 199, 715 40, 564, 497 1, 277, 423	1, 132, 417	133, 174, 052	595, 032	132, 579, 020	35, 496 73, 078, 000	205, 692, 516 203, 153, 835	30, 214, 364	115, 593, 814	15, 617, 863	11, 871, 336	10, 960, 398	7.69	9.12	9.48
	Capital stock: 1. Preferred 2. Common	[a]	6. Reserves for Federal income and profits taxes	surplus	8. Less: Goodwill, appreciation, and other intangibles.	nent	 Minority stockholders' equity in subsidiaries. Long-term debt 1. 	Total investment	vest-	uity deducting before and profits	o total l		a :	(16+13)percent.	Rate of return on stockholders' lnvest- ment (17÷14)percent	Rate of return on common stockholders' equity (18÷15)percent

¹ Less unamortized debt discount and expenses.
² Denotes loss.

Table 16a.—Summary of income, expenses, and surplus for Youngstown Sheet & Tube Co., and subsidiaries, 1917-38

	66		formation formation	of small man man to	- 1			(100 000 7		Co live (south management and manage		
	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
Net sales	\$96, 450, 984	\$85, 892, 169	\$80, 384, 405	\$106, 840, 915 \$38, 579, 197		\$58, 293, 498	\$118, 748, 690	\$119, 379, 551	\$134, 190, 824	\$150, 023, 289	\$132, 210, 463	\$140, 990, 988
Cost of goods sold	55, 507, 842	62, 023, 914	71, 169, 567	95, 404, 888	36, 732, 236	51, 459, 675	97, 240, 209	98, 593, 277	106, 651, 981	119, 447, 245	110, 484, 384	112, 083, 726
expenses.			1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				5, 598, 565
	2, 284, 911	2, 557, 391	2, 746, 121	2, 955, 143	3, 174, 335	3, 369, 418	5, 893, 538	8, 715, 638	9, 023, 878	9, 166, 632	9, 782, 459	8, 321, 399
Total operating expenses	57, 792, 753	64, 581, 305	73, 915, 688	98, 360, 031	39, 906, 571	54, 829, 093	103, 133, 747	107, 308, 915	115, 675, 859	128, 613, 877	120, 266, 843	126, 003, 690
Net income from operations	38, 658, 231 292, 270	21, 310, 864 1 5, 751, 706	6, 468, 717 1, 198, 891	8, 480, 884	1, 327, 374 1, 188, 587	3, 464, 405 673, 802	15, 614, 943 1 611, 875	12, 070, 636 620, 380	18, 514, 965 670, 963	21, 409, 412 102, 180	11, 943, 620	14, 987, 298 630, 565
Net income applicable to total investment	38, 950, 501 13, 954	15, 559, 158 12, 116	7, 667, 608	8, 286, 817 40, 664	1 138, 787 28, 585	4, 138, 207 18, 919	15,003,068 2,168,533	12, 691, 016 4, 399, 192	19, 185, 928 4, 258, 207	21, 511, 592 4, 192, 716	11, 002, 081 3, 978, 747	15, 617, 863 3, 746, 527
Net income applicable to stockholders investment.	38, 936, 547	15, 547, 042	7, 657, 330	8, 246, 155	1 167, 372	4, 119, 288	12, 834, 535	8, 201, 824	14, 927, 721	17, 318, 876	7, 023, 334	11, 871, 336
1	15, 591, 573	9, 274, 402	862, 399	1,057,928		410,000	1, 500, 000	693, 748	1, 700, 000	2, 170, 000	1	1, 425, 000
Net income for the year	23, 344, 974 24, 187, 132	6, 272, 640 44, 190, 668	6, 794, 931 46, 290, 873	7, 188, 225 50, 170, 811	1 167, 372 51, 654, 395	3, 709, 288 48, 848, 698	11, 334, 535 49, 664, 265	7, 598, 076 23, 127, 519	13, 227, 721 25, 417, 934	15, 148, 876 33, 382, 246	7,023,334	10, 446, 336 37, 197, 611
Total	47, 532, 106	50, 463, 308	53, 085, 804	57, 359, 036	51, 487, 023	52, 557, 986	60, 998, 800	30, 725, 595	38, 645, 655	48, 531, 122	49, 660, 840	47, 643, 947
Less dividends paid on: Common stock in cash Common stock in stock	3, 699, 320	3, 699, 320	2, 219, 592	3, 508, 472	1, 998, 727	2, 198, 320	4, 691, 198	4, 444, 227	3, 950, 424	3, 950, 424	4, 938, 030	5, 000, 000
Preferred stock in cash.	695, 401	695, 401	695, 401		695, 401	695, 401	922, 210	996, 877	996, 877	996, 877	996, 877	910, 938
Total	4, 394, 721	4, 394, 721	2, 914, 993	5, 707, 273	2, 694, 128	2, 893, 721	5, 613, 408	5, 441, 104	4, 947, 301	4, 947, 301	5, 934, 907	5, 910, 938
Other net additions or deductions: Revaination of real estate, plant, mineral, and manu- incuturing properties. Sales of real estate, plant, mineral and manufarturing	538, 709	112, 794			1		2 651, 504	1, 942, 663	2 140, 794	2 306, 833		
						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1, 194, 0/1		2 606 500	2.4 680 095	
Acquisition of assets and securities of other com- panies.							26, 040, 398	200,066				1

2 55, 000, 000	2, 632 55, 803 21, 846, 767 84, 785 3175, 314 332, 977 31, 848, 297 306, 457	48,	1931 1932 1933 1934 1935 1936 1937 1938 Total	559, 457, 008 \$31, 798, 673 \$49, 436, 510 \$63, 138, 122 \$86, 788, 923 \$127, 674, 516 \$144, 288, 797 \$84, 664, 566 \$2, 181, 338, 232	50, 383, 445 30, 787, 295 43, 708, 979 52, 086, 254 70, 820, 017 102, 043, 060 112, 484, 877 69, 002, 365 1,753, 739, 624 5, 795, 419 4, 588, 885 3, 687, 599 4, 133, 862 4, 186, 225 5, 690, 712 6, 824, 188 6, 468, 277 60, 752, 173 6, 437, 806 6, 386, 052 6, 446, 645 5, 674, 114 5, 683, 843 6, 837, 763 6, 949, 866 6, 630, 932 135, 180, 336	62, 626, 670 41, 745, 232 83, 943, 223 61, 894, 230 81, 310, 085 114, 571, 525 126, 258, 931 82, 101, 574 1, 949, 642, 132	1.3.139 682 1.9.946, 559 1.4.506, 713 1.243, 892 6,478, 888 13,102, 991 18,029, 886 22,562, 992 231,716, 100 3.463, 686 1,225, 596 625,517 494,471 518,275 1,626,480 1,1043,918 278,372 3,420,673	12, 675, 976 1 8, 720, 963 1 3, 881, 196 1, 738, 363 5, 997, 113 14, 729, 441 16, 985, 948 2, 841, 364 235, 136, 773 4, 364, 923 4, 551, 820 4, 461, 705 4, 378, 382 3, 690, 035 2, 895, 300 2, 860, 289 61, 216, 074	17, 040, 899 13,272,783 18, 342, 901 12, 631, 019 1,717, 231 11, 079, 406 14, 380, 648 118, 905 173, 920, 699	34,100 119,710 514,905 2,200,000 349,000 40,735,765	17, 040, 899 13, 272, 783 18, 342, 901 12, 665, 119 1, 597, 521 10, 564, 501 12, 190, 648 1367, 905 133, 184, 934 51, 912, 590 40, 281, 501 25, 780, 077 17, 585, 780 14, 924, 250 18, 405, 729 19, 375, 547 20, 993, 897	44, 871, 691 27, 008, 718 17, 437, 176 14, 920, 661 16, 521, 771 28, 970, 230 31, 566, 195 20, 625, 992	1, 771, 572	206, 250 2, 268, 750 2, 268, 750 825, 000 18	
		654, 395 48, 848, 698	1932	\$59, 487, 008 \$31, 798, 673 \$49,	50, 393, 445 30, 787, 295 5, 795, 419 4, 589, 885 6, 437, 806 6, 368, 052	62, 626, 670 41, 745, 232 53,	13, 139, 662 1, 9, 946, 559 163, 686 1, 225, 596	1 2, 675, 976 1 8, 720, 963 1 3, 4, 364, 923 4, 551, 820 4	7, 659, 133 1 7, 040, 899 1 13,272, 783 1 8, 34	0	17,040,899 113,272,783 18, 51,912,590 40,281,501 25,	44, 871, 691 27, 008, 718 17,	[[825,000 206,250	0.00
	109, 492	46,	1929 1930	\$161, 038, 216 \$111, 057, 928	120, 131, 467 6, 724, 877 8, 190, 649 7, 939, 803	135, 046, 993 99, 755, 297	25, 991, 223 1, 403, 676 1, 49, 903	27, 394, 899 11, 252, 728 3, 620, 725 3, 593, 595	23, 774, 174 7, 659, 13	2, 210, 000 623, 000	21, 564, 174 40, 564, 497 51, 729, 885	62, 128, 671 58, 766, 018	5, 500, 000 6, 028, 428	825, 000 825, 000	
Transfers to capital stock ac- counts. Appropriations to or from re- serves. Premiums or discounts on	Stock issues	4,		Net sales	Cost of goods sold	Fotal operating expenses	Net income from operations	Net income applicable to total invest- ment. Less interest on long-term debt.		Provision for Federal income and profits taxes.	Net income for the year	Total	Less dividends paid on: Common stock in cash	Common stock in stock	

¹ Denotes loss.
² Denotes deduction.

Table 16a.—Summary of income, expenses, and surplus for Youngstown Sheet & Tube Co. and subsidiaries, 1917-38—Continued

• -							
Total	2 \$930, 498	2 10, 013, 829	111, 932, 646	26, 235, 404	64	2 1, 584, 499	
1938	1 \$1, 027, 387	\$804,000 \$1,027,420 1 \$84,492 1 \$269,536 1 \$2,716,394 1 291,029	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.1	2, 345, 514	20, 818, 752
1937	3 1 1 1 1 2 2 3 3	1 \$2, 716, 394	2,865		17, 130	1 987, 192 2 368, 885	51, 729, 885 \$51, 912, 590 40, 281, 501 25, 780, 077 17, 585, 780 14, 924, 250 18, 405, 729 19, 375, 547 20, 993, 897
1936		1 \$269, 536	43, 642 17, 086, 335		17, 130	1	19, 375, 547
1935		1 \$84, 492			769,000 2,131,058	2 57, 883	18, 405, 729
1934	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1\$1,027,420	366, 334	3 46, 442	- 1		14, 924, 250
1933		2 \$804, 000	527, 373		150,000	275, 231	17, 585, 780
1932					1\$1,022,391		25, 780, 077
1931			2 \$500,000	41 382	1, 535, 000		40, 281, 501
1930			1		11,000,000		\$51, 912, 590
1929	2 \$498, 141	13, 626, 887	1		ii	_i	51, 729, 885
	Other net additions or deductions: Revaluation of real estate, just, min- eral and manufacturing renoraties	Sales of real estate, plant, mineral, and manufacturing properties	Conversion, repurchase, or sale of own securities.	Acquisition of assets and securities of	Transfers to capital stock accounts. Appropriations to or from reserves.	Premiums or discounts on stock issues All other charges or credits	Surplus end of the year

1 Denotes deduction.

APPENDIX TABLE 17.—Summary of investments, profits, and rates of return for the Inland Steel Co. and subsidiaries, 1917-38

1927	\$10,000,000 35,000,000	45, 000, 000 19, 740, 163	3, 121, 211	67, 861, 374 11, 574, 246	435, 620 399, 741 667, 785	667, 785
	0 \$10, 0 35,				79, 78, 66,	56,
1926	\$10, 000, 000 35, 000, 000	45, 000, 000	2, 941, 081	65, 474, 195 11, 889, 667	77, 363, 862 76, 430, 687 64, 485, 123	54, 485, 123
1925	35, 000, 000 35, 000, 000	45, 000, 000 15, 698, 033 32, 889	2, 765, 128	63, 496, 050 12, 001, 462	75, 497, 512 69, 172, 955 62, 912, 931	52, 912, 931
1924	\$10, 000, 000 \$10, 000, 000 \$10, 000, 00	145,000,000 45,000,000 14,541,495 15,698,033 51,512 32,889	2, 736, 805	62, 329, 812 518, 585	62, 848, 397 62, 215, 115 61, 624, 132	51, 624, 132
1923	\$10, 000, 000 \$10, 000, 000 \$10, 000, 00	45, 000, 000 13, 221, 596	2, 696, 856	60, 918, 452 663, 380	61, 581, 832 54, 020, 933 51, 314, 706	46, 314, 706
1922	\$9, 999, 100 (\$24, 997, 000 (\$25, 019, 500 (\$25, 019, 500 (\$25, 175, 175 (\$25, 331, 475 (\$25, 356, 475 (\$3, 000, 000))	25, 356, 475 14, 086, 224	2, 268, 260	5, 016, 737 4, 749, 075	46, 460, 034 47, 141, 644 42, 258, 738	43, 864, 126 42, 258, 738
1921	\$25, 331, 475	25, 331, 475 15, 251, 565	2, 223, 476	42, 806, 516 5, 016, 737	47, 823, 253 49, 041, 694 43, 864, 126	43, 864, 126
1920	25, 175, 175	5, 175, 175 6, 996, 177	2, 750, 384	44, 921, 736 5, 338, 399	50, 260, 135 49, 794, 685 44, 508, 954	44, 508, 954
1919	525, 019, 500	25, 019, 500 14, 318, 724 64, 680	4, 693, 268	44, 096, 172 5, 233, 062	49, 329, 234 51, 235, 134 45, 883, 741	45, 883, 741
1918	\$25,019,500	25, 019, 500 13, 720, 406 638, 098	8, 293, 306	47, 671, 310 5, 469, 724	53, 141, 034 52, 105, 316 46, 496, 261	46, 496, 261
1917	\$24, 997, 000	24, 997, 000 9, 538, 103 1, 366, 934	9, 419, 175	45, 321, 212 5, 748, 386	51, 069, 598 41, 805, 773 35, 992, 556	35, 992, 556
9161	\$9,999,100	9, 999, 100 16, 664, 799		26, 663, 899 5, 878, 048	32, 541, 947	
	Capital stock: 1. Preferred. 2. Common.	3. Total 4. Surplus—earned and capital 5. Contingency reserves	6. Reserves for Federal income and profits taxes.	7. Stockholders' investment	9. Total Investment	12. Average of common stockholders equity

00.	.1013111.	ILATIO	IV OF IS	CON	OMIC I	OWE	, LL		Ţ	.18
7, 809, 862 7, 675, 374 6, 375, 374 9, 96 10. 61	Annual				\$80, 407, 561 59, 522, 984 57, 250, 257	187,	7, 124, 658	10. 18	11.97	12.17
7, 951, 989 7, 203, 419 6, 503, 419 10, 40 11, 17	1938	\$57, 464, 601	57, 464, 601 34, 098, 110 2, 342, 890 1, 121, 620	95, 027, 221 51, 401, 774	146, 428, 995 147, 494, 335 95, 554, 064 95, 554, 064	913,	6, 036, 727	5, 37	6.32	6.32
5, 832, 495 5, 705, 501 5, 005, 501 8, 43 9, 07	1937	\$35, 000, 000 \$47, 000, 000 \$50, 566, 358 \$57, 311, 832 \$57, 464, 601	57, 311, 852 33, 151, 831 2, 066, 956 3, 550, 269	96, 080, 908 52, 478, 767	148, 559, 675 138, 069, 087 89, 997, 717 89, 997, 717	18,	16,	10, 270, 937	18.09	18.09
6, 018, 350 5, 930, 726 5, 230, 726 9, 67 9, 62 10, 13	1936	\$50, 566, 352	50, 566, 352 29, 282, 078 1, 296, 752 2, 769, 343	00.4	127, 578, 499 1118, 317, 670 79, 480, 902	16, 800,	14,	14, 990, 595	18.87	18.87
5, 914, 888 5, 736, 026 5, 211, 026 10, 95 11, 18	1935	\$47,000,000	47, 000, 000 25, 100, 656 772, 674 2, 173, 949	1400	109, 056, 841 101, 223, 884 65, 757, 036 65, 757, 036			11, 023, 444	16.76	16.76
206, 111 2 115, 105 2 115, 105 0 44 0 27	1934	\$35,000,000	35, 000, 000 20, 506, 870 226, 865 733, 058	36,	93, 390, 927 92, 645, 046 55, 331, 639	6, 238, 287	4, 306, 709	4, 300, 709	7.78	7.78
2 465, 098 2 805, 648 2 805, 648 3 0. 95 2 1. 84	1933	\$85,000,000 \$85,000,000 \$35,000,000 \$85,000,000	35, 000, 000 18, 398, 163 417, 436 380, 885	54, 196, 484 37, 702, 681	91, 899, 165 92, 312, 297 54, 221, 691	2, 215,	240, 439	240, 439	. 44	. 44
5, 907, 967 5, 552, 862 5, 552, 862 11. 86 12. 48	1932	\$35,000,000	35,000,000 17,611,021 298,669	54, 246, 897 38, 478, 531	92, 725, 428 95, 671, 325 56, 956, 218	1,328,	23,338,	4 3, 338, b30 2 1.39	2 5.86	1 5.86
5, 334, 997 4, 980, 305 4, 980, 305 10. 41 10. 85	1931	\$35, 000, 000	35, 000, 000 21, 861, 918 2, 803, 620	665,	98, 617, 221 93, 929, 435 61, 570, 475	3, 231, 685	1, 291, 688	1, 291, 688	2. 10	2.10
13, 574, 138 13, 205, 352 13, 205, 352 26, 05 28, 40	1930	\$35,000,000	35, 000, 000 25, 117, 373	25,	89, 241, 649 89, 663, 905 63, 244, 938	8, 029, 067	6, 669, 959	6, 669, 939 8, 95	10.55	10.55
22, 071, 288 21, 614, 400 21, 614, 400 52, 79 60, 05	1929	\$35,000,000	35, 000, 000	27,	8 8 8			13, 057, 855	21, 95	21.95
	1928	\$35,000,000	35,000,000 17,494,697 44,425	944,	83, 514, 804 81, 475, 212 61, 902, 688	305,	10, 097, 543	9, 922, 543	16.31	17.44
Net income before deducting Federal Income and profits taxes: 13. Applicable to total investment. 14. Applicable to stockholders' investment. 15. Applicable to common stockholders' investment applicable to common stockholders' duly. 16. Applicable to common stockholders' investment (13+10) Rate of return or stockholders' investment (14+11). Rate of return or stockholders' investment (14+11). Rate of return or common stockholders' equity (15+12).		Capital stock: 1. Preferred 2. Common	Total Surplus—earned and capital Contingency reserves Greeves for Federal Income and	7. Stockholders' investment	9. Total investment	Net income before deducting Federal income and profits taxes: Applicable to total investment.	₹	Rate of return on total investment (13+10)	Rate of return on stockholders' invest- ment (14+11)	Rate of return on common stockholders equity (15+12)percent

1 Less unamortized debt discount and expenses.

2 Denotes loss.

APPENDIX TABLE 17A,—Summary of income, expenses, and surplus for the Inland Steel Co. and subsidiaries, 1917-38

	. 8261	\$63, 876, 007	48, 081, 124 1, 899, 149 3, 307, 299	53, 287, 572	10, 588, 435 717, 121	11, 30 5, 5 56 1, 208, 013	10, 097, 543	1, 078, 979	9, 018, 564 19, 740, 163	28, 258, 727	8, 250,000	8, 425, 000	1 78, 566	977 596	1.500.00	440,000	17, 494, 697
	1927	\$58, 503, 627	45, 953, 525 1, 802, 947 3, 490, 650	51, 247, 122	7, 256, 505	7, 809, 862	7, 075, 374	865, 120	6, 210, 254 17, 533, 114	23, 743, 368	2, 956, 997	3, 656, 997	11, 792	1	1	358, 000	19, 740, 163
	1926	\$61, 759, 165	49, 409, 390 1, 611, 858 3, 164, 554	54, 185, 802	7, 573, 363	7, 951, 989	7, 203, 419	829, 691	6, 373, 728 15, 698, 033	22, 071, 761	2, 956, 997	3, 656, 997	524, 650	5		357,000	15, 698, 033 17, 533, 114
	1925	\$56, 827, 601	47, 730, 803 1, 469, 258 2, 010, 564	51, 210, 625	5, 616, 976	5, 832, 495 126, 994	5, 705, 501	697, 675	5, 007, 826 14, 541, 495	19, 549, 321	2, 956, 997	3, 656, 997	161,709	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	256, 000	15, 698, 033
	1924	\$52, 312, 874	43, 498, 951 1, 317, 290 1, 944, 989	46, 761, 230	5, 551, 644	6, 018, 350 87, 624	5, 930, 726	672, 024	5, 258, 702 13, 221, 596	18, 480, 298	2, 956, 997	3, 656, 997	- 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	281, 806	14, 541, 495
	1923	\$49, 879, 753	41, 702, 203 1, 039, 625 1, 700, 586	44, 442, 414	5, 437, 339	5, 914, 888 178, 862	5, 736, 026	488, 020	5, 248, 006 14, 086, 224	19, 334, 230	2, 471, 313	2, 996, 313	9 643 596	900 807	12 101	265, 000	13, 221, 596
	1922	\$30, 983, 377	27, 701, 571 887, 084 2, 201, 799	30, 790, 454	192, 923 13, 188	206, 111 321, 216	1 115, 105		1 115, 105 15, 251, 565	15, 136, 460	1, 014, 009	1, 014, 009			8 17 101	53, 328	14, 086, 224
,	1921	\$20, 203, 870	18, 115, 471 802, 281 2, 062, 053	20, 979, 805	1 775, 935 310, 837	1 465, 098 340, 550	1 805, 648		1 805, 648 16, 996, 177	16, 190, 529	1, 013, 964	1, 013, 964	1 1 1	1	2 90 000	15,000	15, 251, 565
(1920	\$52, 329, 592	43, 447, 304 1, 149, 417 1, 955, 487	46, 552, 208	5, 777, 384	5, 907, 967 355, 105	5, 552, 862	972, 731	4, 580, 131 14, 318, 724	18, 898, 855	2, 763, 906	2, 763, 906	2 84, 247	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 835, 688	218, 527	16, 996, 177
to Council of	1919	\$33, 416, 772	25, 850, 488 1, 168, 374 2, 223, 763	29, 242, 625	4, 174, 147	5, 334, 997 354, 692	4, 980, 305	686, 182	4, 294, 123 13, 720, 406	18, 014, 529	2,001,560	2, 001, 560	2 56, 828	2 259, 542	1, 853, 847	156, 768	14, 318, 724
la fi man	1918	\$59, 981, 105	43, 612, 606 1, 215, 274 1, 841, 862	46, 669, 742	13, 311, 363 262, 775	13, 574, 138 368, 786	13, 205, 352	6, 132, 304	7, 073, 048 9, 538, 103	16, 611, 151	2, 001, 060	2, 001, 060	617, 689	2 731, 631	1, 003, 627	1	13, 720, 406
.x.	1917	\$50, 602, 981	26, 222, 086 824, 663 1, 568, 934	28, 615, 683	21, 987, 298 83, 990	22, 071, 228 456, 888	21, 614, 400	9, 419, 175	12, 195, 225 16, 664, 799	28, 860, 024	1, 999, 820	1, 999, 820	654, 351	1,000,000	667, 750	6 B I 7 I I 8 I 9 I 9	9, 538, 103
ALFENDIA LABLE II		Net sales	Cost of goods sold	Total operating expenses	Net income from operations	Net income applicable to total investment. Less interest on long-term debt.	e to	Provision for Federal income and pronts	Net income for the year	Total	Less dividends paid in cash on— Common stock. Preferred stock	Total	Other net additions or deductions: Loss or gain from disposal of capital assets. Surplus transferred to capital stock	Appropriations to or from reserves. Unamortized bond discount and ex-	Amortization of war facilities. Premiums on stock issued and re-	Provision for employees savings and profit sharing fund. Miscellaneous.	Surplus end of year

	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	Total	
Net sales	\$68, 290, 016	\$51, 522, 698	\$31, 460, 429	\$14, 622, 434	\$26, 631, 531	\$40, 404, 309	\$62, 544, 872	\$98, 903, 896	\$110, 744, 037	\$74, 058, 924	\$1, 169, 859, 870	
Cost of goods sold	49, 877, 053	38, 833, 149	24, 380, 330	12, 304, 349	20, 455, 668	29, 055, 971	43, 091, 540	70, 848, 735	79, 816, 975	54, 749, 319	884, 738, 611	
BALIVE	2, 086, 181	2, 087, 438	1, 748, 811	1, 406, 624	1, 584, 430	1, 913, 476	3, 087, 748	6, 321, 897	7, 785, 837	6, 739, 350	49, 949, 012	
- 1	. 3, 169, 160	3, 524, 541	2, 746, 173	2, 534, 860	2, 659, 764	3, 512, 487	3, 794, 993	5, 117, 882	5, 215, 036	4, 800, 470	64, 547, 906	
Total operating expenses	55, 132, 394	44, 445, 128	28, 875, 314	16, 245, 833	24, 699, 862	34, 481, 934	49, 974, 281	82, 288, 514	92, 817, 848	66, 289, 139	999, 235, 529	
Net income from operations	13, 157, 622 1, 273, 793	7, 077, 570	2, 585, 115 646, 570	11, 623, 399	1, 931, 669 283, 545	5, 922, 375	12, 570, 591	16, 615, 382 184, 646	17, 926, 189	7, 769, 785	170, 624, 341 9, 505, 859	
Net income applicable to tota l investment. Less intèrest on long-term debt.	14, 431, 415	8, 029, 067 1, 359, 108	3, 231, 685 1, 939, 997	11, 328, 532 2, 010, 098	2, 215, 214	6, 238, 287 1, 931, 578	12, 975, 970 1, 952, 526	16, 800, 028 1, 803, 433	18, 160, 963 1, 884, 026	7, 913, 560	180, 130, 200	
Net income applicable to stock- holders' investment	13, 057, 855	6, 669, 959	1, 291, 688	13, 338, 630	240, 439	4, 306, 709	11, 023, 444	14, 996, 595	16, 276, 937	6, 036, 727	156, 742, 478	
	1, 248, 857	709, 992	8, 568	925	4, 347	659, 528	1, 812, 863	2, 195, 065	3, 508, 449	1, 120, 523	33, 111, 018	
Net income for the year	11, 808, 998	5, 959, 967 24, 212, 473	1, 283, 120 25, 117, 373	13, 339, 555 21, 861, 918	236, 092	3, 647, 181 18, 398, 163	9, 210, 581 20, 506, 870	12, 801, 530 25, 100, 656	12, 768, 488 29, 282, 078	4, 916, 204	123, 631, 460	
Total.	29, 303, 695	30, 172, 440	26, 400, 493	18, 522, 363	17, 847, 113	22, 045, 344	29, 717, 451	37, 902, 186	42, 050, 566	38, 068, 035		
Less dividends paid in cash on— Common stock	4, 200, 000	4, 800, 000	3, 300, 000	300, 000	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	600, 000	2, 880, 000	6, 657, 000	7, 682, 375	3, 940, 693	67, 703, 688 3, 500, 000	
Other net additions or deductions:	4, 200, 000	4, 800, 000	3, 300, 000	300, 000		600, 000	2, 880, 000	6, 657, 000	7, 682, 375	3, 940, 693	71, 203, 688	
properties and equipment, including goodwill and intangibles.		-			12, 788	707, 300	64, 930		345, 587		1, 130, 578	
Loss or gain from disposal of capital assets. Surplus transferred to capital stock	308, 222		79, 406	43, 409	241, 010	328, 360	199, 883	2 488, 820	8, 447		2, 223, 465	
Appropriations to or from reserves.	25, 000	15,000	1, 151, 669	689, 031	2 22, 592	2 88, 758	2 13, 786	23, 511	769, 602		18, 017, 669 2, 557, 504	
Chamortized bond discount and expense Amortization of war facilities.	2 42, 000	2 101, 933	2 54, 500	2 121, 098	2 152, 244 2 630, 012	2 8, 428	1, 111, 651	2, 428, 417	2,000	2 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1	4, 245, 358 2, 059, 524	
tired	1		1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1, 235, 853	
and profit sharing fund	600, 000	342, 000	62, 000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 7 8 8 8 9 4 4 9 8 9 9 1 1	94,724	29, 233	3, 405, 429 119, 082	J.
Surplus end of year	24, 212, 473	25, 117, 373	21, 861, 918	17, 611, 021	18, 398, 163	20, 506, 870	25, 100, 656	29, 282, 078	33, 151, 831	34, 098, 109		10
								The state of the s			And the second s	. /

Denotes loss.

Addition.

APPENDIX TABLE 18.—Summary of investments, profits, and rates of return for the American Rolling Mill Co. and subsidiaries, 1917-38

1919 1920 1921 1922 1923 1924 1925 1926 1927	\$1, 300, 000 \$7, 000, 000 \$6, 941, 200 \$6, 941, 200 \$12, 170, 300 \$11, 839, 200 \$11, 669, 500 \$11, 647, 300 \$16, 647, 300 \$16, 647, 300 \$1, 900, 975 16, 073, 775 17, 852, 550 17, 852, 550 19, 935, 725 21, 000, 000 22, 949, 644 23, 151, 679 24, 534, 946	10, 741, 075 11, 200, 975 22, 073, 775 24, 793, 750 24, 793, 750 82, 106, 025 32, 839, 200 33, 719, 144 34, 738, 979 41, 182, 246 13, 314, 328 12, 810, 516 12, 123, 727 12, 432, 391 12, 789, 161	365,000 663,618 938,618 938,618 248,891 235,355	26, 111, 174, 35, 732, 582, 36, 063, 202, 37, 889, 012, 45, 945, 046, 46, 498, 582, 46, 188, 988, 47, 786, 844, 54, 429, 165, 4, 073, 106, 4, 838, 812, 10, 663, 124, 11, 881, 607, 11, 848, 393, 11, 503, 597, 11, 466, 972, 11, 398, 770, 13, 106, 069	563 19, 644, 152 22, 038, 065 30, 886, 770 25, 400, 078 26, 007, 405 34, 096, 653 34, 994, 985 34, 721, 963 36, 388, 074 41, 323, 096 000 1, 166, 500 439, 000 39, 886, 766 2, 103, 960 7, 312, 456 6, 615, 392 6, 615, 392 6, 314, 228 6, 244, 129 8, 700, 558	810, 652 22, 477, 068 30, 934, 570 29, 326, 644 28, 160, 165 41, 457, 903 41, 651, 777 41, 077, 591 42, 655, 103 50, 058, 654 500 507, 130, 607 28, 146, 934, 147, 130, 143, 140, 141, 151, 141, 171, 143, 140, 141, 141, 141, 141, 141, 141, 141	311, 759 32, 408, 973 2, 306, 365 3, 766, 688 3, 646, 494 3, 653, 062 5, 014, 450 4, 291, 487 32, 408, 973 2, 306, 365 3, 692, 632 3, 173, 856 3, 215, 772 4, 597, 071 4,	808, 027 24, 651, 920 32, 888, 224 1, 821, 065 2, 794, 041 2, 345, 687 2, 395, 051 3, 770, 909 3, 395, 138 13. 61 3 19. 89 3 8. 00 8. 02 10. 82 8. 78 8. 83 11. 98 9. 97	13.86 319.99 38.66 8.97 12.29 9.19 9.23 12.93 10.83
1916 1917	\$800, 000 6, 719, 965 8, 000, 000	7, 519, 965 8, 800, 000 4, 415, 234 5, 924, 586		11, 935, 199 14, 724, 586 1, 521, 023 846, 023	10, 414, 176 13, 878, 56 2, 422, 500 1, 172, 00	12, 836, 676 15, 050, 563 20, 810, 13, 943, 619 17, 930, 12, 146, 369 16, 761, 11, 346, 369 15, 711, 1	3, 995, 435	3, 844, 662	32.05
	Capital stock: 1. Preferred 2. Common 6	3. Total Total 7	5, Contingency reserves. 6, Reserves for Federal Income and profits taxes.	7. Capital stock and surplus. 18. Less goodwill, appreciation, and other intangibles.	9. Stockholders' investment. 10. Minority stockholders' equity in subsidia- 11. Long-term debt 1.	ent irvestment cholders' equity- icting Federal in	s taxes: total investments stockholders' investmer o common stockholder	vestn	Rate of return on stockholders, investment (17+14). Rate of return on common stockholders' equity

Annual	3 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$61, 995, 249 45, 121, 565 37, 170, 674	4, 045, 371 3, 111, 614	2, 665, 658 6. 53	6.90	7.17
1938	\$45, 000, 000 71, 739, 009	16, 739, 009	548, 483	27, 480, 366	19, 204, 999 8, 417 1, 980, 129	21, 193, 545 23, 510, 197 \$6 20, 912, 839 4 75, 912, 839 3	3 739, 246 3 847, 649		3, 70	3 3. 78
1937	45, 000, 000 71, 739, 009	72, 028, 409 116, 739, 009 116, 739, 009 12, 660, 859 12, 623, 475 10, 192, 874	1, 533, 561	86, 085, 322 130, 896, 045 127, 480, 366 9, 352, 499 8, 275, 367 48, 275, 367	76, 732, 823 122, 620, 678 119, 204, 999 18, 300 17, 454 8, 417 24, 324, 868 3, 188, 718 1, 986, 129	076, 081 125, 826, 850 121, 193, 545 302, 158 113, 451, 466 123, 510, 197 218, 600 99, 676 750 120, 912, 839 286, 450 76, 210, 800 75, 912, 839	10, 632, 665 9, 721, 598	8, 751, 020 22, 871, 130	9.75	11.48
1936	\$1, 931, 900 70, 096, 509		1, 396, 054			01, 076, 081 99, 302, 158 65, 218, 600 63, 286, 450	9, 609, 119	7, 670, 858	11.98	12, 12
1935	\$1, 932, 400 46, 353, 759	48, 286, 159 15, 828, 049	748, 395	64, 862, 603 11, 158, 226	53, 704, 377 144, 353 43, 679, 506	97, 528, 236 92, 275, 428 51, 029, 882 49, 092, 182	7, 317, 146	4, 813, 029	9.62	9.80
1934	\$22, 000 \$2, 010, 300 \$1, 984, 500 \$1, 974, 500 \$1, 943, 000 \$1, 943, 000 \$1, 932, 400 733, 380 42, 769, 409 41, 375, 402 41, 382, 211 42, 769, 409 42, 769, 409 46, 353, 759	501 35,785,380 44,778,709 43,389,902 45,336,711 44,712,409 44,712,409 48,286,159 643 31,572,644 24,780,431 19,703,551 16,779,809 14,439,517 14,634,742 15,828,049	366, 795	56, 629, 873 67, 946, 363 69, 718, 629 63, 067, 882 661, 112, 863 59, 258, 301, 59, 713, 946 64, 862, 603 13, 018, 769 12, 604, 871 11, 996, 810 11, 926, 497 11, 627, 103 11, 495, 276 11, 358, 560 11, 158, 226	46, 611, 104 55, 341, 492 57, 721, 819 51, 141, 485 48, 485, 885 47, 763, 025 48, 385, 386 53, 704, 52, 020 54, 385, 386, 320 12, 420 920 6, 920 6, 920 6, 104 144, 31, 038, 681 24, 834, 343, 143, 183, 926 40, 744, 014 40, 001, 560 33, 696, 276 38, 661, 081, 43, 679,	80, 230, 555 [99, 972, 065 [91, 897, 919] 88, 497, 335 [83, 466, 221] 87, 022, 021 [97, 558, 236] 77, 8965, 180 [90, 101, 310 [95, 934, 992] 90, 197, 627 [85, 981, 778] 86, 244, 421 [92, 275, 428] 55, 975, 288 [55, 531, 165 [54, 431, 652 44], 813, 670 [48, 124, 440 [48, 056, 205] 51, 020, 882 [48, 454, 298] 55, 335, 505, 52, 434, 425, 47, 483, 470 [46, 165, 690, 46, 116, 205, 499, 182	2, 137, 322 3, 776, 842 215, 295 1, 531, 322 3, 447, 003 7, 317, 146 251, 886 33, 095, 882 32, 025, 107 3 613, 371 1, 262, 797 4, 925, 345	3 729, 951 1, 147, 251 4, 04 7, 93	2.63	2, 49
1933	\$1, 943, 000 42, 769, 409	44, 712, 409 14, 439, 517	106, 375	59, 258, 301 11, 495, 276	47, 763, 025 6, 920 35, 696, 276	83, 466, 221 85, 981, 778 48, 124, 440 46, 165, 690	1, 531, 322 3 613, 371		3 1.27	3 1. 58
1932	\$1, 974, 500 41, 352, 211	43, 326, 711 16, 779, 809	6, 438	60, 112, 958 11, 627, 103	48, 485, 855 9, 920 40, 001, 560	88, 497, 335 90, 197, 627 49, 813, 670 47, 834, 170	215, 295 \$2, 025, 107	190, 917 33, 215, 138 32, 143, 727 2. 37 3 3 3 3 3 3 3 3 3 3 3 2 3 4	3 4.07	3 4, 48
1931	\$1, 984, 500 41, 375, 402	43, 359, 902 19, 703, 551	4, 529	63, 067, 982 11, 926, 497	51, 141, 485 12, 420 40, 744, 014	91, 897, 919 95, 934, 992 54, 431, 652 52, 434, 252	3 776, 842 33, 095, 882	33, 215, 138 3 .81	3 5.69	\$ 6.13
1930	\$2, 010, 300 42, 769, 409	44, 779, 709 24, 780, 431	158, 489	69, 718, 629 11, 996, 810	57, 721, 819 66, 320 42, 183, 926	99, 972, 065 90, 101, 310 56, 531, 655 55, 515, 505	2, 137, 322 251, 886		. 45	. 34
1929	\$22, 000 35, 733, 380	35, 755, 380 31, 572, 644	618, 339	67, 946, 363 12, 604, 871	55, 341, 492 54, 720 24, 834, 343	80, 230, 555 78, 966, 180 50, 976, 298 48, 454, 298	8, 919, 400 8, 256, 854 7, 489, 290 6, 729, 205	7, 288, 402 6, 677, 885 13, 96 10, 46	13.20	13.78
1928	\$5, 022, 000 30, 038, 501 35,	35, 060, 501 23, 755, 643	813, 729	59, 629, 873 13, 018, 769	46, 611, 104 52, 020 31, 038, 681	77, 701, 805 63, 880, 229 43, 967, 100 33, 132, 450	8, 919, 400 7, 489, 290	7, 288, 402	17.03	22.00
	Capital stock: 1. Preferred 2. Common		5. Congingency reserves. 6. Reserves for Federal income and profits taxes.	7. Capital stock and surplus 8. Less goodwill, appreciation, and other intagibles.	9. Stockholders' Investment. 10. MInority stockholders' equity in subsidiaries. 11. Long-term debt!	estment. Iders' investment 1 stockholders' equity	and profus taxes: 16. Applicable to total investment	te of	Detection on common stockholders' construction	

1 Less unamortized debt discount and expenses.
2 Net profits and rates of return are for an 18-month period. Thus, on a mathematical ratio the annual rates of return would have two-thirds these amounts or 13.26, 13.33, and 13.90

percent.

** Denotes loss.

** Amount for 1938 was not available; amount shown for 1937 was used also in 1938.

APPENDIX TABLE 18a.—Summary of income, expenses, and surplus for the American Rolling Mill Co. and subsidiaries, 1917-38

27 1928	\$39, 087, 519 \$61, 867, 914	6, 225 49, 812, 578	18, 915 4, 640, 385 57, 378 2, 491, 870	34, 962, 518 56, 944, 833	25, 001 4, 923, 081 3, 549 3, 996, 319	20, 550 8, 919, 400	1, 994	16, 235 7, 489, 290	459, 664 814, 256	12, 391 12, 789, 161.	16, 178, 962 19, 464, 195	1, 911, 682 2, 342, 445 1, 165, 068 1, 425, 030 815, 091 200, 888	3, 891, 841 3, 968, 353	12, 287, 121 15, 495, 832	82, 549
1927		4 30, 156,	1 3,348, 17 1,457,	1	11 4, 125, 19 495,	4, 620,		1 4, 206,		3, 746,	1	1	<u> </u>		
1926	\$34, 958, 643	26, 748, 444	2, 470, 971	30, 624, 422	4, 334, 221	5, 014, 450	417,379	4, 597, 071	533, 021	4, 064, 050	16, 187, 777	1, 807, 545 1, 102, 035 826, 162	3, 735, 742	12, 452, 035	3 39, 641 3 46, 667
1925	\$34, 257, 812	27, 877, 306	2,057,502 1,283,162	31, 217, 970	3, 039, 842 613, 220	3, 653, 062	437, 290	3, 215, 772	329, 460	2, 886, 312 12, 810, 516	15, 696, 828	1, 721, 195 1, 049, 644 820, 721	3, 591, 560	12, 105, 268	\$ 46, 663
1924	\$28,679,818	23, 454, 474	2,026,969 1,073,614	26, 555, 057	2, 124, 761 1, 521, 733	3, 646, 494	472, 638	3, 173, 856	328,801	2, 845, 055 13, 314, 328	16, 159, 383	1, 639, 622 1, 000, 000 828, 269	3, 467, 891	12, 691, 492	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1923	\$26, 691, 235	20, 417, 266	1,820,111	23, 303, 752	3, 387, 483	3, 766, 688	74,056	3, 692, 632	219, 734	3, 472, 898 12, 156, 644	15, 629, 542	1, 514, 712	2, 413, 303	13, 216, 239	166, 700
1922	\$20, 294, 205	15, 583, 418	1, 391, 901	17, 876, 648	2, 417, 557	2, 306, 365	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2, 306, 365		2, 806, 365 10, 330, 834	12,637,199	1, 428, 204	1,913,504	10, 723, 695	1, 335, 985
1921	\$11, 740, 729 \$20, 294, 205	12, 404, 179	1, 397, 954	14, 261, 920	1 2, 521, 191 112, 218	2 2, 408, 973	1 1	2 2, 408, 973		2, 408, 973 10, 690, 530	8, 281, 457	1, 404, 997 781, 900 489, 301	2, 676, 198	5, 605, 259	
1920 1	\$44, 652, 818	35, 376, 940	2, 749, 985 1, 546, 733	39, 673-658	4, 979, 160	5, 311, 759	20, 272	5, 291, 487	962, 781	4, 328, 706 12, 710, 961	17, 039, 667	2, 058, 352 3, 683, 500 639, 567	6, 381, 419	10, 658, 248	120, 581
1 6161	\$25, 956, 749	20, 451, 618	1, 165, 225	23, 014, 719	2, 942, 030	2, 945, 107	59, 080	2, 886, 027	694, 389	2, 191, 638 12, 175, 635	14, 367, 273	1, 183, 833 469, 900 78, 000	1, 721, 733	12, 645, 540	655, 746 623, 084
19181	\$32, 427, 058	22, 206, 216	1, 469, 394	24, 443, 114	7, 983, 944	7, 619, 868	70, 103	7, 549, 765	2, 975, 576	4, 574, 189 5, 924, 586	10, 498, 775	1, 676, 476 441, 075 78, 000	2, 195, 551	8, 303, 224	2, 692, 402
1 2161	\$21, 791, 796	14, 425, 260	1, 627, 273 1, 096, 508	17, 149, 041	4,642,755	3, 995, 435	102, 773	3, 892, 662		3, 892, 662	8, 307, 896	1, 055, 275 1, 280, 035 48, 000	2, 383, 310	5, 924, 586	
	Net sales	Cost of goods sold.	penses. Provision for depreciation and depletion.	Total operating expenses	Net income from operations	Net income applicable to total investment.	Interest Int	Net Income applicable to stock- holders' investment	tovision for reactal mediue and promes	Net income for the year	Total	Less dividends paid on— Common stock in cash. Common stock in stock. Preferred stock in cash.	Total	Total after deducting dividends	Other net additions or deductions: Revaluation of roal estate, plant, mineral and manufacturing properties, etc. Revaluation of securities Sales of real estate, plant, mineral, and manufacturing properties

													T
6, 996, 733	\$ 125, 199	\$ 550, 280	\$ 7,044	8, 259, 811	23, 755, 643	Total (22½ years)	\$1, 033, 570, 281	834, 482, 843 85, 973, 349 38, 742, 136	959, 198, 328	74, 371, 953 16, 648, 890	91, 020, 843 15, 410 20, 994, 119	70, 011, 314	57, 639, 861
218, 200	1		366, 389	502, 040	12, 789, 161	1938	\$70, 441, 606 \$1	58, 959, 381 9, 053, 351 3, 516, 405	71, 529, 137	2 1, 087, 531 348, 285	1,519,246 1,519 106,884	2 847, 649 460, 231	1, 307, 880
\$ 6,019	1		72, 683	\$ 19, 644	12, 432, 391	1937	\$114, 857, 600 \$70	91, 430, 993 55 10, 125, 539 8 3, 369, 386	104, 925, 918 71	9, 931, 682 1 700, 983	10, 632, 665 1, 773 909, 294	9, 721, 598 1, 490, 263	8, 231, 335 1, 307, 880
1 154, 647	1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		219, 769	18, 459	12, 123, 727	1936	\$101, 463, 383 \$114	82, 608, 473 91 8, 388, 988 10 2, 923, 732 3	93, 921, 193 104	7, 542, 190 8 2, 066, 929	9, 609, 119 10 5, 462 1, 793, 354	7, 810, 303	6, 441, 676 8
141,094	233, 967		26, 151	119, 024	12, 810, 516		9, 385 \$101,	62, 216, 533 82, 6, 464, 957 8, 2, 075, 958 2,	70, 757, 448 93,	041, 937 275, 209 2,	7, 317, 146 9, 63, 628 2, 388, 173 1,	925, 345 7, 8 615, 215 1,	4,310,130 6,
3 141, 093	68, 753	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3, 729	98, 089	13, 314, 328	4 1935	5, 115 \$76, 799, 385	, 987 62, 21 3, 258 6, 46 5, 084 2, 07		1,	003	797 4,	966, 506 4, 31
	96, 964			1, 432, 949	12, 156, 644	1934	918 \$54, 485, 115	439 44, 511, 987 736 5, 098, 258 007 1, 917, 084	182 51, 527, 329	736 2, 957, 786 586 489, 217	322 3, 447, 093 2, 183,	371 1, 262, 718 296,	
	4, 725, 575		1 1	4, 725, 575	10, 330, 834	1933	322 \$41, 828,	741 35, 630, 811 3, 826, 291 1, 828,	543 41, 285, 182	521 543, 816 987,	1, 531,	25, 107 * 613, 4, 495 59,	602 2 673, 089
\$ 285, 000	8 64, 677 4		261, 278	32, 182	10, 690, 430	1932	797 \$27, 294, 322	433 23, 288, 741 170 3, 210, 811 353 1, 723, 291	556 28, 222, 543	759 2 928, 521 317 1, 143, 816	342 215, 295 340 2, 240, 402	1 2, 0	3, 098, 446 1 2, 029, 602
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	213, 409	65, 421	12, 710, 961	1931	26 \$39, 907, 797	84 35, 757, 433 96 4, 064, 170 19 1, 430, 953	99 41, 252, 556	27 2 1, 344, 759 95 567, 917	22 2 776, 842 36 2, 319, 040	36 13, 095, 882 32 2, 564	40
	2, 004, 998	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	824, 989 3 1, 213, 409	872, 411	12, 175, 635 12,	1930	3 \$53, 651, 626	5 45, 476, 684 8 4, 899, 296 2, 012, 519	1 52, 388, 499	2 1, 263, 127 2 874, 195	4 2, 137, 322 9 1, 885, 436	5 251, 886 137, 792	114,094
	6		-	3,8	5, 924, 586 12, 1	1929	\$70, 434, 233	55, 688, 255 4, 674, 658 2, 997, 658	63, 360, 571	7, 073, 662	8, 256, 854	6, 729, 205 618, 635	6, 110, 570
Premiums or discounts on stock issues. Conversion, repurchase or sale of	Acquisition of assets and securities of other companies. Appropriations to provide for retirement of plant property, sundry addered observes are	Prentium and expense on bonds retired. Unamortized discount and expenses applicable to funded debt retired. Depreciation charged to capital sur-	pius Miscellaneous	Total other net additions or deductions	Surplus end of the year.	-	Net salcs	Cost of goods sold Distribution and administrative expenses. Provision for depreciation and depletion	Total operating expenses	Net income from operations. Other income (net)	Net income applicable to total invest- ment. Less income applicable to minority interest. Interest on long-term debt.	Net income applicable to stockholders' investment. Provision for Pederal income and profits taxes.	Net income for the year.

¹Fiscal years ended June 30, 1917, 1918, and 1919; and 18-month period ended Dec. 31, 1920. ² Dendres loss.
² Deduction from surplus.

APPENDIX TABLE 18A.—Summary of income, expenses, and surplus for the American Rolling Mill Co. and subsidiaries, 1917-38—Continued

	1920	1930	1931	1932	1933	1934	1935	1936	1937	1938	Total (22½ years)
70ar	23, 755, 643	\$31, 572, 644	\$24, 780, 431	\$19, 703, 551	\$16, 779, 809	14, 439, 517	\$23, 755, 643 \$31, 572, 644 \$24, 780, 431 \$19, 708, 551 \$16, 779, 809 \$14, 439, 517 \$14, 634, 742 \$15, 828, 049	15, 828, 049	\$12, 660, 859 \$12, 623, 475	\$12, 623, 475	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	29, 866, 213	31, 686, 738	21, 681, 985	17, 673, 949	16, 106, 720	15, 406, 083	18, 944, 872	22, 269, 725	20, 892, 194	11, 315, 595	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
s dividends paid on: Common stock in cash	2, 787, 622	3, 241, 558	5, 110				1, 068, 154	5, 604, 119	4, 015, 943		\$36, 466, 844
Common stock in stockPreferred stock in cash	1, 689, 229	.74	119, 256	118, 620			348, 500	144, 907	972, 351	1, 012, 523	9, 036, 336
	4, 528, 171	5, 338, 481	124, 366	118, 620			1, 416, 654	5, 749, 026	4, 988, 294	1, 012, 523	61, 616, 550
idends	25, 338, 042	26, 348, 257	21, 557, 619	17, 555, 329	16, 106, 720	15, 406, 083	17, 528, 218	16, 520, 699	15, 903, 900	10, 303, 072	314, 676, 478
Other net additions or deductions: Revaluation of real estate, plant, mineral, and manufacturing properties, etc.	3 238, 476 3 173 056	3 169, 916 3 95, 120	3 19, 943	3 5, 764	3 151, 224 3 63, 928	3 403, 571	3 461, 399	11,988,953	3 978, 257	1 1	2, 583, 988 281, 801
Levaluation of securities and manufacturing kroperies, etc.	3 S94, 941 8 000 134				3 410, 038	3 255, 113	3 221, 736	3 786, 153	2 900, 312 3 1, 168, 502		3 4, 279, 455 13, 315, 887
se, or sale of own se-	0,000,147		3 1, 140, 053	7,800	3 423, 027	7,919	3 39, 092	3 716, 169	5, 800	1	3 2, 296, 822
Acquisition of assets and securities of other companies.	3 40, 306	839, 538	1	3 69, 522		3 16, 824	13, 137	3 402, 432	846, 474	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8, 110, 446
Appropriations to provide for retirement of plant property, sundry deficiencies, charges etc.			3 500,000	3 500, 000 3 1, 265, 000				8 9 9 1 1 1		1 104, 419	3 1, 869, 419
Premium and expense on bonds retired. Unamortized discount and expense applications of the control of the contr	3 250, 000					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 251, 319		s 529, 965		8 1, 861, 115 8 781, 284
to capital surplus	3 168, 743	3 1, 547, 436 3 71, 732	3 194, 072	556, 966	3 618, 986	3 103, 752	3 237, 182	33, 867	2, 592	1 5, 779	³ 1, 547, 436 ³ 1, 902, 269
Total other net additions or deductions.	6, 234, 602	6, 234, 602 3 1, 567, 826	3 1, 854, 068	3 775, 520	3 1, 667, 203	\$ 771, 341	3 1, 700, 169	.3 3, 859, 840	\$ 3, 280, 425	1 110, 198	9, 754, 329
Surplus end of the year	31, 572, 644	31, 572, 644 24, 780, 431	19, 703, 551	16, 779, 809	19, 703, 551 16, 779, 809 14, 439, 517 14, 634, 742 15, 828, 049	14, 634, 742	15, 828, 049	12, 660, 859	1	12, 623, 475 10, 192, 874	
-											

1 Fiscal years ended June 30, 1917, 1918, and 1919; and 18-month period ended Dec. 31, 1920. Denotes loss.

Deduction from surplus.

APPENDIX TARKE 19.—Summary of investments, profits, and rates of return for Wheeling Steel Corporation 1 and subsidiaries, 1917-38

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4491		1916	1917	1918	6161	1920	1921	1922	1923	1924	1925	1926	1927
1-41-	Capital stock: 1. Preferred 2. Common.	\$9, 915, 400 9, 915, 400	\$6, 915, 400 \$9, 915, 400 \$9, 915, 400 \$9, 915, 400 9, 915, 400 9, 915, 400	89, 915, 400 8 9, 915, 400	39, 915, 400 9, 915, 400	\$23, 489, 400 39, 472, 645	\$23, 602, 200 39, 520, 120	\$23, 489, 400 \$23, 602, 200 \$23, 821, 100 \$24, 217, 033 \$27, 519, 314 39, 472, 645 39, 520, 120 39, 402, 786 39, 368, 602 39, 444, 477	34, 217, 033 39, 368, 602	\$27, 519, 314 8 39, 444, 477	\$27, 529, 699 39, 470, 594	, 699 \$27, 529, 800 \$	\$27, 529, 800
pt. 31	3. Total. 4. Surplus 5. Reserves for Federal Income and profits	19, 830, 800 19, 5, 656, 764 9,	19, 830, 800 19, 830, 800 19, 830, 800 9, 520, 612 10, 122, 948 10, 791, 097	19, 830, 800		62, 962, 045 13, 425, 159	63, 122, 320 6, 881, 653	63, 223, 886 6, 010, 902	63, 585, C35 9, 645, 022	66, 964, 291 5, 772, 011	67,000,293	67, 013, 500 9, 863, 746	467, 013, 500 11, 040, 063
	taxos	1 1	5, 189, 302	4, 430, 262	207,853	3, 346, 747		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		60,000	563, 394	717, 078	535,000
-19	6. Capital stock and surplus. 7. Less goodwill, appreciation and other	25, 487, 564	25, 487, 564 34, 540, 714 34, 284, 010	34, 284, 010	30, 829, 750	79, 733, 951	70, 003, 973	69, 234, 788	73, 230, 657	72, 796, 302	75, 353, 524	77, 594, 324	78, 588, 563
	intangibles	8, 886, 362	8, 225, 366	7, 381, 131	6, 919, 363	6, 492, 598	6, 106, 394	5, 675, 689	5, 752, 613	5, 746, 682	5, 746, 681	5, 746, 682	5, 725, 737
	8. Stockholders' investment	16, 601, 202	16, 601, 202 26, 315, 348 26, 902, 879	26, 902, 879	23, 910, 387	73, 241, 353	63, 897, 579	63, 559, 099	67, 478, 044	67, 049, 620	69, 606, 843	71,847,642	72, 862, 826
		3, 242, 500	2, 553, 500	2, 477, 000	2, 421, 000	784, 595 7, 502, 522	480, 700 7, 263, 831	105, 500	22, 241, 964	27, 236, 094	26, 196, 598	24, 371, 574	23, 319, 001
	12. Average of total investment	19, 843, 702	28, 868, 848	29, 379, 879	331, 387	81,	12	78, 786, 992	89, 720, 008	94, 285,	95, 803, 441	96, 219, 216	96, 181, 827
	tment.	21, 458, 2	21, 458, 275	3, 275 26, 609, 113 25, 406, 63	25, 406, 633	48, 575, 870	68, 569,	63, 728, 339	84, 253, 500 65, 518, 572	67, 263,	95, 044, 577 68, 328, 231	96, 011, 328 70, 727, 242	96, 200, 521 72, 355, 234
			11, 042, 010	0, 089, (13	13, 491, 233	31,		686	41, 499, 506	41, 395, 409	803,	43, 197, 493	44, 825, 434
	115. Applicable to total investment.		13, 028, 122	7, 979, 810	2, 585, 574	20, 872, 574 3 2, 216, 730	\$ 2, 216, 730	1,001,187	6, 374, 490	2, 479, 781	6, 297, 823	7, 320, 237	6, 088, 902
	ment. Applicable to common stockholders'		. 12, 882, 468	7, 852, 858	2, 462, 466		20, 253, 862 3 2, 816, 739	250, 901	5, 251, 374	925, 110	4, 600, 987	5, 723, 538	4, 563, 916
	otal inv		12, 089, 236	7,059,626	1,669,234	1, 669, 234 18, 713, 553 3 5, 138, 072 3 2, 099, 352	3 5, 138, 072	3 2, 099, 352	2, 862, 823	2, 862, 823 3, 813, 012	1, 948, 591	2, 672, 049	1, 711, 317
	(percent) Rate of return on stockholders' investment		53.49	27.40	9.28	38.70	3 2, 89	1.33	7.57	2.70	6.63	7.62	6.33
	(16+13) (percent) Rate of return on common stockholders'		60.03	29. 51	9,69	41.70	3 4. 11	0.39	8.02	1.38	6. 73	8.09	6.31
	equity (17+14) (percent)		104.73	42.29	10.78	58.71	3 11, 41	3 5.25	6.90	1 9. 21	4.78	6. 19	3,82
	1 Organized in June 1920 as a holding company for Wheeling Steel & Iron Co La Belle Iron Works, and Whitaker-Chesenar Co. : faures price to 1920 as a holding company for Wheeling Steel & Iron Co La Belle Iron Works, and Whitaker-Chesenar Co.: faures price to 1920 as a holding company for Wheeling Steel & Iron Co La Belle Iron Works, and Whitaker-Chesenar Co.: faures price to 1920 as a holding company for Wheeling Steel	any for W	heeling Stee	l & Iron C	o La Bell	e Iron Work	S and White	taker-Gleeen	ar Co · flori	roe prior to	1000 oro for	To Dollo Inc	M. M. Onles

Steel & Iron Co., La Belle Iron Works, and Whitaker-Glessner Co.; figures prior to 1920 are for La Belle Iron Works. 1 Less unamortized debt discount and expenses.

1 Loss.

APPENDIX TABLE 19.—Summary of investments, profits, and rates for Wheeling Stee Corporation and subsidiaries, 1917-38—Continued

	1933 1934 1935 1936 1937 1938 Annual average	\$88, 079, 700 [\$38, 047, 000 [\$38, 142, 300 [\$38,154, 700 [\$38, 126, 800 [\$38, 024, 056]]]. 19, 381, 750 [19, 388, 350 [19, 408, 500]]. 15, 404, 550 [28, 160, 600 [28, 286, 513]]	57, 461, 459 67, 438, 350 57, 545, 800 57, 559, 250 66, 287, 400 66, 310, 569	40,000 430,351 324,257 551,719 88,583	72, 407, 169 74, 394, 828 77, 217, 950 76, 533, 820 78, 325, 471 77, 152, 163	4, 706, 795 4, 657, 425 4, 488, 606 4, 257, 443 3, 981, 045 3, 872, 539	67, 700, 374 69, 737, 403 72, 729, 344 72, 276, 377 74, 044, 426 73, 279, 624	24, 405, 731 23, 990, 518 28, 121, 329 32, 837, 774 32, 169, 597 31, 509, 388	92, 106, 105 93, 727, 921 100, 850, 673 105, 114, 151 106, 214, 023 104, 789, 012 92, 612, 168 92, 917, 013 97, 289, 297 102, 982, 412 105, 664, 087 105, 501, 517 \$84, 723, 458 67, 785, 210 68, 718, 889 71, 233, 374 72, 502, 861 73, 160, 402 73, 662, 025 63, 618, 249	707, 353 30, 655, 539 33, 138, 724 34, 354, 361 35, 019, 652 35, 586, 597 35, 967, 172	711, 184 1, 981, 542 5, 309, 228 6, 243, 004 6, 172, 015 2, 084, 743 5, 161, 605	737, 385 596, 351 4, 019, 450 4, 765, 711 4, 790, 207 581, 721 3, 945, 083	3, 022, 167 3 1, 686, 469 1, 730, 912 2, 476, 603 2, 867, 095 3 1, 348, 428 1, 698, 980	0.77 2.13 5.46 6.06 5.84 1.99 6.09	3 1.09 0.87 5.64 6.57 6.55 0.79 6.20	10.17 3.5.50 5.22 7.21 8.19 33.79 4.72
for it necessing piece	1932	527, 526, 800 \$38, 162, 013 \$38, 076, 014 \$38, 39, 682, 900 19, 384, 550 19, 325, 700 19,	57, 4f1, 714 15, 309, 612		72, 711, 326	4,841,281 4,	67, 870, 045	25, 248, 186	93, 118, 231 96, 192, 194 69, 515, 650	31, 396, 637 29,	\$ 2, 695, 930	3 4, 250, 618	3 6, 533, 744	3 2.80	3 6, 11	3 20.81
	1931	\$38, 162, 013 19, 384, 550	57, 546, 563 18, 475, 045	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	76, 021, 608	4, 860, 353	71, 161, 255	28, 104, 902	99, 266, 157 103, 147, 799 74, 254, 394	41, 409, 988	4, 396, 515 3 1, 660, 470 3 2, 695, 930	13, 339, 139	3 5, 237, 175	3 1.61	3 4. 50	3 12.65
-Summary of investments, projes, and race	1930	\$27, 526, 800 39, 682, 900	67, 209, 700 15, 050, 825	8, 500	82, 269, 025	4, 921, 493	77, 347, 532	29, 681, 909	054 110, 208, 086 107, 029, 441 99, 440 107, 712, 570 108, 618, 763 103, 734 77, 561, 343 78, 635, 787 74,	51, 108, 987		2, 659, 388 3 3,	6, 108	4.05	3,38	0.01
estments,	1929	\$27, 526, 800 89, 662, 900	67, 209, 700 17, 156, 084	736, 000	85, 101, 784	5, 177, 741	79, 924, 043	30, 284, 043	110, 208, 086 107, 712, 570 77, 561, 343	50, 034, 543	10, 351, 967	8, 741, 664	6, 088, 384	9.61	11. 27	12.17
ry of the	1928	\$27, 526, 800 \$ 39, 481, 900	67, 008, 700 13, 033, 086	570, 000	80, 611, 786	5, 413, 143	75, 198, 643	30,018,411	105, 217, 054 100, 699, 440 74, 030, 734	46, 502, 434	8, 839, 743	7, 013, 739	4, 360, 459	8.78	9,47	9.38
APPENDIX TABLE 19 Summar		Capital stock: 1. Preferred 2. Common		5. Reserves for Federal income and profits taxes.	6. Capital stock and surplus	7. Less goodwill, appreciation and other intangibles.	8. Stockholders' investment9. Minority stockholders' equity in	subsidiary companies	nent.	14. Average of common stockholders' equity.	income and profits taxes: Applicable to total investment	Applicable to stockholde vestment	a :	Rate of return on total investment (15+12) (percent).	Rate of return on stockholders' investment (16÷13) (percent)	Rate of return on common stockholders' equity (17+14) (percent)

² Less unamortized debt discount and expenses.
³ Loss.

APPENDIX TABLE 19A.—Summary of income, expenses, and surplus for Wheeling Steel Corporation 1 and subsidiaries, 1917-38

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2	0101	1370	1261	1922	1923	1924	1925	1926	1927	1928
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	\$31, 656, 268 \$	\$31, 646, 211	\$18, 705, 774	\$99, 822, 887	\$27, 909, 236	\$47, 352, 152	\$70, 781, 680	\$63, 901, 819	\$79, 477, 841	\$82, 169, 414	\$71, 527, 239	\$76, 974, 535
Distribution and administrative av. (17 46	17 488 603	99 440 006	15 979 048	(73, 633, 915	24, 822, 814	40, 606, 641	58, 361, 548	54, 707, 267	66, 133, 058	67, 766, 429	58, 444, 901	60, 036, 199
tion			1, 267, 215	3, 172, 365	3, 409, 754 2, 708, 320	3, 554, 235	3, 821, 213 2, 741, 075	4, 341, 722 2, 962, 342	4, 567, 390 3, 170, 837	4, 532, 646 3, 291, 884	4, 391, 770 3, 432, 196	5, 067, 020
Total operating expenses 18, 66	658, 885	23, 939, 325	16, 540, 163	79, 963, 228	30, 940, 888	47, 061, 478	64, 923, 836	62, 011, 331	73, 871, 285	75, 590, 959	66, 268, 867	69, 168, 471
12,	997, 383	7, 706, 886	2, 165, 611 419, 963	19, 859, 659 1, 012, 915	2 3, 031, 652 814, 922	290, 674 710, 513	5, 857, 841 516, 646	1, 890, 488 589, 293	5, 606, 556 691, 267	6, 578, 455	5, 258, 372 830, 530	7, 806, 064 1, 033, 679
investment	028, 122	7, 979, 810	2, 585, 574	20, 872, 574	1 2, 216, 730	1,001,187	6, 374, 490	2, 479, 781	6, 297, 823	7, 320, 237	6,088,902	8, 839, 743
Income applicable to minority in- terest luterest on long-term debt	145,654	126, 952	123, 108	99, 110	21, 886 578, 123	•. 5,670 744,616	1, 123, 060	1, 554, 671	1, 696, 836	1, 596, 699	1, 524, 986	1,826.004
-	12,882,468	7, 852, 858	2, 462, 466	20, 253, 862	2 2, 816, 739	250, 901	5, 251, 374	925, 110	4, 600, 987	5, 723, 538	4, 563, 916	7,013,739
Lances transfer federal income and profits 5, 18	5, 189, 302	4, 330, 262	207, 853	3, 346, 747	0	0	0	60,000	563, 394	717,078	535,000	570,000
Net income for the year 7, 66 Surplus beginning of the year 5, 65	693, 166 656, 764	3, 522, 596 9, 520, 612	2, 254, 613 10, 122, 948	16, 907, 115 10, 791, 097	2 2, 816, 739 13, 425, 159	250, 901 6, 881, 653	5, 251, 374 6, 010, 902	865, 110 9, 645, 022	4, 037, 593 5, 772, 011	5,006,460 7,789,837	4, 028, 916 9, 863, 746	6, 443, 739 11, 040, 063
Total 13, 3:	349, 930	13, 043, 208	12, 377, 561	27, 698, 212	10, 608, 420	7, 132, 554	11, 262, 276	10, 510, 132	9, 809, 604	12, 796, 297	13, 892, 662	17, 483, 802
Less dividends paid on: Common stock in eash Common stock in stock I'referred stock in eash Treferred stock in eash	1, 189, 848	1, 189, 848	793, 232	1, 919, 297 29, 667, 359 1, 540, 309	388, 101	1, 175, 196	1, 776, 641	4, 738, 122	2, 055, 469	3,051,489	2, 852, 599	2, 653, 280
Total 1, 96	1, 983, 080	1, 983, 080	1, 586, 464	33, 126, 965	2, 432, 338	1, 175, 196	1, 776, 641	4, 738, 122	2,055,469	3,051,489	2, 852, 599	2, 653, 280
1 Organized in June 1920 as a holding rompany for Wheeling Steel & Iron Co., La Belle Iron Works, and Whitaker-Glessner Co.; figures prior to 1920 are for La Belle IronWorks.	pany for	r Wheeling	Steel & Iror	Co., La Be	lle Iron Wo	rks, and Wl	hitaker-Gles	sner Co.; fi	gures prior t	to 1920 are fo	or La Belle	IronWorks

APPENDIX TABLE 19A. -- Summary of income, expenses, and surplus for Wheeling Steel Corporation and subsidiaries, 1917-38-Continued

APPENDIA IABBE 194. Community		,		-			-	-				000,
	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
Other net additions or deductions: Difference between consolidated surplus and surplus of La Belle Iron Works at Jan L. 1, 1920. Revaluation of goodwill and other intangible. Sales of real estate, plant, mineral and manufacturing properties. Conversion, repurchase, or sale of	1 1 1 1			\$24, 583, 865	740				\$35,702	\$118, 938	338	4 \$874,074
serves s of investment redits	\$1, 290, 908 4 455, 330	4 \$937, 180	0	4 1, 571, 213	213	\$201, 274 429 4 147, 730	730 \$159, 387	387			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 923, 362
Surplus end of the year	9, 520, 612	10, 122, 94	10, 122, 948 \$10, 791, 097	13, 425, 159	159 6, 881, 653	653 6,010,902	902 9, 645, 022	022 \$5, 772, 011	7, 789, 837	9, 863,	746 \$11, 040, 063	13, 033, 086
		1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	Total
Noteslee	\$83,	\$83, 796, 637 \$6	\$65 371, 515	\$44, 859, 214	\$30, 682, 156	214 \$30, 682, 156 \$44, 404, 365 \$48, 484, 402	\$48, 484, 402	\$66, 262, 938	\$80, 598, 525	\$90, 455, 380	\$62, 420, 280	\$66, 262, 938 \$80, 598, 525 \$90, 455, 380 \$62, 420, 280 \$1, 319, 260, 478
Cest of goods sold Distribution and administrative expenses. Provision for depreciation and depletion	64,8	64, 860, 942 5, 614, 012 4, 007, 976	52, 305, 864 5, 890, 118 3, 813, 246	28, 391, 417 5, 035, 625 3, 593, 226	25, 982, 395 4, 206, 499 3, 611, 401	35, 747, 877 3, 994, 245 4, 298, 552	38, 399, 429 4, 453, 168 4, 072, 194	51, 208, 475 5, 040, 072 5, 242, 105	64, 312, 550 5, 857, 153 4, 950, 523	73, 247, 504 6, 311, 821 5, 503, 495	51, 034, 699 6, 051, 528 3, 834, 516	1, 055, 205, 481 89, 296, 943 75, 308, 927
	74,		62,009,228	47, 020, 268	33, 800, 295	44,040,674	46, 924, 791	61, 490, 652	75, 120, 226	85,062,820	60, 920, 743	1, 219, 811, 351
Net income from operations.	9,	707	3, 362, 287 1, 034, 228	2 2, 161, 054 500, 584	2 3, 118, 139 422, 209	363, 691 347, 493	1, 559, 611	4, 772, 286	5, 478, 299	5, 392, 560	1, 499, 537	99, 449, 127 14, 106, 186
Net income applicable to total investment	1	10, 351, 967	4, 396, 515	2 1, 660, 470	2 2, 695, 930	711, 184	1,981,542	5, 309, 228	6, 243, 004	6, 172, 015	2, 094, 743	113, 555, 311
Less: fncome applicable to minority interest. Interest on long-term debt		1, 610, 303	1, 737, 127	1, 678, 669	1, 554, 688	1, 448, 569	1,385,191	1, 289, 778	1, 477, 293	1, 381, 808	1, 513, 022	26, 763, 481
Net income applicable to stockholders' in vestment. Provisions for Federal income and profits taxes.	00	741, 664	2, 659, 388	2 3, 339, 139 0	2 4, 250, 618 0	2 737, 385 0	596, 351 40, 000	4, 019, 450	4, 765, 711	4, 790, 207 551, 719	581, 721 88, 583	86, 791, 830 17, 699, 046
Net income for the yearSurplus beginning of the year	13,0	8,005,664 13,033,086	2, 650, 888 17, 156, 084	2 3, 339, 139 15, 050, 825	2 4, 250, 618 18, 475, 045	2 737, 385 15, 309, 612	556, 351 14, 945, 719	3, 589, 099 16, 919, 478	4, 441, 454 19, 241, 799	4, 238, 488 18, 650, 313	493, 138 11, 186, 352	69, 092, 784
Total	21,(21, 038, 750	19, 806, 972	11, 711, 686	11, 711, 686 14, 224, 427		14, 572, 227 15, 502, 070	20, 508, 577	23, 683, 253	22, 888, 801	11, 679, 490	

7, 658, 867 29, 667, 359 37, 764, 188	75, 090, 414	24, 583, 865 4 4, 158, 740	4 370, 502	4 1, 453, 107	959, 329	585, 256 46, 685, 418	1 1 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1
1, 317, 732	1, 317, 723	1 B 1 B 1 B 1 B 1 B 1 B 1 B 1 B 1 B 1 B	1	4 46, 875	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4, 130	10, 753, 011
1, 923, 112	1, 923, 112	1 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12, 409		4 8, 756, 050 4 1, 035, 696	11, 186, 352
2, 289, 108	2, 289, 108		1 3 5 6 8 8 1 1 9	4 56, 749	37, 789	4 8, 756, 050 4 508, 408 4 2, 724, 872 4 1, 035, 696	18, 650, 313
762, 602	762, 602		1	4 95, 768	100,000		17, 156, 034 15, 050, 825 18, 475, 045 15, 309, 612 14, 945, 719 16, 919, 478 19, 241, 799 18, 650, 313 11, 186, 352 10, 753, 011
0	0		1	58, 374	4 12, 103	1, 371, 137	16, 919, 478
0	0		1	175, 942	284, 924	4 87, 374	14, 945, 719
0	0	1 b 7 B 3 B 6 B 7 B 7 B 7 B 7 B 7 B 7 B 7 B 7 B 7	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,085,185		1 1	15, 309, 612
1, 898, 036	4,042,182 1 898,036	2 4 1 5 2 8 7 8 1 4 9 9 2 9 2 1 1 8 1 9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15, 519	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9, 345, 436	18, 475, 045
1, 388, 902	İ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 713, 965	15,050,825
789, 638	3, 442, 918	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 615, 366	175, 618		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17, 156, 084
Less dividends paid on: Common stock in cash. Common stock in cash. Preferred stock in cash.	Total Other net additions or deductions:	Difference between consolidated surplus and surplus of La Belle Iron Works at Jan. 1, 1920. Revaluation of goodwill and other intangibles	Sales of real estate, plant, mineral and manu- facturing properties.	Conversion, repurchase or sale of own securi-	Appropriations for reserves. Profit or loss from sales of investment secu-	Adjustment of capital stock accounts on re- capitalization. All other charges or credits	Surplus end of the year

² Loss. ⁴ Deduction.

ENDEX TABLE 20.—Summary of investments, profits, and rates of return for Otis Steel Co. and subsidiaries, 1919-38

7888		CO	NU	LINI	KA	110	JIN	OF	E	CO	NU.	MIC
1928	\$11, 733, 017 4, 035, 010	15, 768, 027 9, 639, 442	465,000	25, 872, 469 10, 796, 516	36, 668, 985 35, 100, 744	133, 386,		4, 604, 756 3, 835, 982	3, 014, 873	13.12	15.90	24.34
1927	\$11, 759, 283 \$	15, 468, 293 6, 705, 501	220,000	22, 393, 794 11, 138, 709	33, 532, 503 33, 026, 432	920, 169,		2, 388, 294 1, 602, 880	783, 297	7.23	7.31	7. 70
1926	\$11, 741, 859 3, 709, 010	15, 450, 869 5, 956, 197	40,000	21, 447, 066 11, 073, 295	32, 520, 361	769, 483,		2, 713, 436 1, 947, 315	1, 227, 281	8.67	8.95	10, 69
1925	\$8, 830, 600 3, 705, 010	12, 535, 64 9, 556, 26	0	22, 091, 877 7, 995, 025	30, 086, 902 29, 527, 521	21, 422, 12, 591,		2, 171, 791 1, 404, 387	786, 245	7.36	6.56	6.24
1924	\$8, 830, 600 3, 705, 010	12, 535, 610 8, 217, 135	0	20, 752, 745 8, 215, 394	28, 968, 139 29, 919, 249	21, 522, 12, 691,		249 2 726, 099 893 2 1, 479, 141	751 2 2, 097, 283	2 2, 43	2 6.87	2 16. 52
1923	\$8, 830, 600 3, 705, 010	12, 535, 61 9, 756, 39	0	22, 292, 004 8, 578, 356	30, 870, 360 30, 278, 306	21, 488, 12, 658,		1,785,	742, 751	5.90	6.33	5.87
1922	\$8, 830, 600 3, 705, 010	12, 535, 610 8, 053, 077	96, 761	20, 685, 448 9, 000, 804	29, 686, 252 26, 161, 248	19, 379, 10, 548,		² 5, 315 ² 427, 658	2 5, 317, 650 2 1, 045, 800	. 20.02	2 2, 21	2 9. 91
1921	\$8, 830, 600 2, 058, 340	10, 888, 940 7, 184, 708	0	18, 073, 648 4, 562, 596	22, 636, 244 20, 552, 516	18, 271, 9, 440,		2 4, 562, 424 2 4, 699, 508	2 5, 317, 650	2 22. 20	2 25. 72	2 56.33
i, profits, 1920	\$8, 830, 600 2, 058, 340	10, 888, 940 7, 508, 322	71, 526	18, 468. 788	18, 16,	16, 236, 9, 406,		1, 212, 614 2 4, 562, 1, 212, 614 2 4, 699,	681, 389	7.47	7. 47	7, 24
vestments 1919	\$4,830,600 2,058,340	6, 888, 940 7, 027, 308	88, 178	14,004,426	14,004,	12, 502, 553 8, 900, 513		1, 091, 877 1, 078, 644	874, 899	8.68	8. 63	9.83
tary of th	\$2,373,500 4,802,800	7, 176, 300		11,000,699	11, 166, 199			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	1	
APPENDIX TABLE 20.—Summary of investments, profits, and rates of return for the sates of the sates of 1915 1918 1918 1920 1921 1922 1923 1924 1925 1926 1927	Capital stock: 1. Preferred. 2. Common.	3. Total 4. Surplus earned and capital 5. Contingency reserves	6. Reserves for Federal income and profits taxes.	7. Stockholders' investment8. Long-term debt 1	9. Total investment	11. A verage of stockholders' investment 12. A verage of common stockholders' equity	Net income before deduc	otal investme	15. Applicable to common stockholders' equity	Rate of return on total investment (13+10)		Rate of return on common stockholders' equity (15+12)percent

Annual	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				\$29, 650, 862 20, 906, 075	10, 799, 879	1, 240, 364	635, 874	2 80, 959	4.18	3.04	2, 75
1938	\$10, 313, 640 4, 579, 145	14, 892, 785 5, 245, 272 157, 227	24,112	20, 319, 396 13, 371, 769	33, 691, 165 34, 813, 722 21, 389, 335	10, 493, 940	2 557, 787	2 1, 230, 297	1 2, 005, 191	2 1.60	2 5. 75	2 19, 11
1937	\$10, 674, 240 4, 482, 985	15, 157, 225 6, 608, 346 157, 227	536, 476	22, 459, 274 13, 477, 005	35, 936, 279 34, 427, 671 22, 411, 699	11, 523, 009	3, 592, 735	2, 813, 275	1, 895, 780	10.44	12.55	16.45
1936	\$11, 103, 140 4, 445, 650	15, 558, 790 5, 816, 053 157, 227	832,054	22, 364, 124 10, 554, 939	32, 919, 063 31, 975, 188 21, 452, 956	10, 149, 439	3, 500, 214	2, 785, 150	1, 976, 838	10.95	12.98	19, 48
1935	\$11, 503, 895 4, 205, 010	15, 708, 905 4, 214, 863 219, 006	399, 015	20, 541, 789 10, 489, 525	31, 031, 314 29, 734, 145 19, 277, 327	7, 773, 432	3, 342, 207	2, 623, 664	1, 818, 391	11:24	13.61	23, 39
1934	\$11, 503, 895 4, 205, 010	15, 708, 905 1, 986, 199 214, 762	103,000	18, 012, 866 10, 424, 110	28, 436, 976 28, 043, 106 17, 651, 703	6, 148, 039	1,380,711	663, 891	2 141, 344	4.92	3.76	2 2, 30
1933	\$11, 503, 433 4, 205, 010	15, 708, 443 1, 425, 770 156, 327	0	17, 290, 540 10, 358, 696	27, 649, 236 28, 374, 368 18, 048, 380	6, 544, 947	2 790, 931	2 1, 509, 528	2 2, 314, 766	2 2.79	2 8.36	2 35, 37
. 1932	\$11, 503, 433 4, 205, 010	15, 708, 443 2, 935, 298 162, 479	P	18, 806, 220 10, 293, 281	29, 099, 501 31, 193, 974 20, 933, 400	9, 429, 967	2 2, 110, 894	2 2, 830, 155	2 3, 635, 393	26.77	2 13. 52	2 38, 55
1931	\$11, 503, 433 4, 205, 010	15, 708, 443	0	23, 060, 580 10, 227, 867	33, 288, 447 34, 816, 279 24, 519, 119	13, 015, 686	2 849, 121	2 1, 571, 342	2 2, 376, 580	2 2, 44	2 6.41	2 18. 26
1930	\$11, 503, 433 4, 205, 010	15, 708, 443 10, 154, 216	115,000	25, 977, 659 10, 366, 452	36, 344, 111 37, 392, 390 26, 921, 895	15, 404, 366	1, 722, 025	983, 730	179, 105	4.61	3.65	1.16
1929	\$11, 531, 625 4, 205, 010	15, 736, 635 11, 664, 495	465,000	27, 866, 130 10, 574, 538	38, 440, 668 37, 554, 827 26, 869, 300	15, 236, 979	4, 903, 952	4, 152, 689	3, 333, 976	13.06	15.46	21.88
	Capital stock: 1. Preferred. 2. Common.	3. Total and capital 5. Contingency reserves 6. Reserves for Federal income and	- 1	7. Stockholders' investment	9. Total investment. 10. Average of total investment. 11. Average of stockholders' investment. 12. Average of common stockholders'	Net income before deducting Federal	13. Applicable to total investment		Rate of return on total investment (13.	Rate of return on stockholders tracet	ment (14+11)(percent)	equity (15+12)(percent)

¹ Less unamortized debt discount and expenses.
² Denotes loss.

APPENDIX TABLE 2011.—Summary of income, expenses, and surplus for Otis Steel Co. and subsidiaries, 1919-38

	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Net sales	\$16, 285, 329	\$32, 984, 987	\$6, 166, 654	\$6, 166, 654 \$12, 271, 014 \$25, 567, 900	\$25, 567, 900	\$23, 385, 449	\$28, 897, 687	\$28, 091, 689	\$26, 287, 475	\$33, 451, 128	\$32, 435, 420
Cost of goods sold Distribution and administrative expenses. Provision for depreciation and depletion	13, 983, 810 541, 392 610, 758	28, 680, 031 1, 146, 398 765, 337	6, 716, 894 738, 155 765, 832	11, 699, 897 486, 852 2, 208	22, 780, 280 674, 362 352, 502	22, 569, 985 663, 991 763, 355	25, 481, 016 532, 552 720, 000	24, 068, 908 627, 004 720, 000	22, 559, 996 665, 979 720, 000	27, 164, 646 668, 893 868, 650	25, 791, 993 723, 447 864, 780
Total operating expenses.	15, 135, 960	30, 591, 766	8, 220, 881	12, 188, 957	23, 807, 144	23, 997, 331	26, 733, 568	25, 415, 912	23, 945, 975	28, 702, 189	27, 380, 220
Net income from operations. Other income (net).	1, 149, 369	2, 393, 221	1 2, 054, 227 1 2, 508, 197	82, 057 1 87, 372	1, 760, 756	1 611, 882	2, 164, 119	2, 675, 777	2, 341, 500	4, 748, 939	5, 055, 200 1 151, 248
Net income applicable to total investment Less interest on long-term debt	1,091,877	1, 212, 614	1 4, 562, 424 137, 084	1 5, 315 422, 343	1, 785, 249	1 726, 099 753, 042	2, 171, 791	2, 713, 436 766, 121	2, 388, 294 785, 414	4, 604, 757	4, 903, 952 751, 263
Net income applicable to stockholders' invest- ment. Provision for Federal income and profits taxes	1, 078, 644	1, 212, 614	1 4, 699, 508	1 427, 658		1, 360, 893	1, 404, 387	1, 947, 315	1, 602, 880 220, 000	3, 835, 982 465, 000	4, 152, 689
Net income for the year Surplus, beginning of the year	990, 466 3, 824, 399	1, 141, 088 7, 027, 308	1 4, 699, 508 7, 508, 322	1 427, 658 7, 184, 708	1, 360, 893	1 1, 479, 141 9, 756, 394	* 1, 404, 387 8, 217, 135	1, 907, 315 9, 556, 267	1, 382, 880 5, 956, 197	3, 370, 982 6, 705, 501	3, 687, 689 9, 639, 442
Total	4, 814, 865	8, 168, 396	2, 808, 814	6, 757, 050	9, 413, 970	8, 277, 253	9, 621, 522	-11, 463, 582	7, 339, 077	10, 076, 483	13, 327, 131
Less dividends paid in cash on— Common stock. Preferred stock.	203, 745	531, 225	309, 071	00	00	00	00	398, 431	819, 583	821, 109	1, 051, 261 818, 713
Total	203, 745	531, 225	309, 071	0	0	0	0	398, 431	819, 583	821, 109	1,869,974
Other fiel additions of geductions: Conversion, repurchase, or sale of own securities. Acquisition of assets and securities of other	2, 399, 124	7,617) 1 1 2 1 3 4	1, 317, 336				2 4, 680, 615	20, 410	381, 657	207, 338
Companies. Restorations of or appropriations for reserves. All other charges or credits.	3, 325, 855 103, 234 13, 448, 420	2 136, 466	4, 684, 965	230, 492	2 53, 690 396, 114	2 60, 118	2 65, 255	2 400, 000 1 28, 339	200,000	2, 411	
Surplus, end of the year	7,027,308	7, 508, 322	7, 184, 708	8, 053, 077	9, 756, 394	8, 217, 135	9, 556, 267	5, 956, 197	6, 705, 501	9, 639, 442	11, 664, 495

	1930	1831	1932	1933	1934	1935	1936	1937	1938	Total
Net sales.	\$20, 642, 267,\$13, 567, 175	\$13, 567, 175	\$6, 798, 450	\$13, 297, 955	297, 955 \$16, 779, 945	\$22, 747, 570	\$28, 875, 577	\$31, 989, 204	\$13, 718, 500	\$434, 241, 375
Cost of goods sold Distribution and administrative expenses Provision for depreciation and depletion.	17, 495, 673 618, 295 865, 109	12, 753, 059 549, 746 865, 828	7, 354, 458 482, 309 864, 986	12, 520, 915 471, 553 864, 950	13, 748, 583 600, 107 866, 424	17, 614, 829 726, 441 865, 316	23, 508, 013 885, 846 1, 018, 394	26, 327, 353 984, 157 1, 041, 867	12, 459, 207 681, 332 1, 080, 557	375, 279, 546 13, 468, 811 15, 486, 853
Total operating expenses	18, 979, 077	44, 168, 633	8, 701, 753	13, 857, 418	15, 215, 114	19, 206, 586	25, 412, 253	28, 353, 377	14, 221, 096	404, 235, 210
Net income from operations	1, 663, 190	1 601, 458 1 247, 663	1 1, 903, 303	1 559, 463	1, 564, 831	3, 540, 984	3, 463, 324	3, 635, 827	1 502, 596 1 55, 191	30, 006, 165 5, 198, 874
Net income applicable to total investment. Less interest on long-term debt.	1, 722, 025	1 849, 121	1 2, 110, 894 719, 261	1 790, 931 718, 597	1, 380, 711	3, 342, 207	3, 500, 214	3, 592, 735	1 557, 787 672, 510	24, 807, 291 12, 089, 806
Net income applicable to stockholders' investment Provision for Federal income and profits taxes	983, 730 115, 000	1 1, 571,	342 1 2, 830, 155	1 1, 509, 528	663, 891 103, 000	2, 623, 664 395, 000	2, 785, 150 805, 000	2, 813, 275	1 1, 230, 297	12, 717, 485 3, 260, 948
Net income for the year. Surpius, beginning of the year.	868, 730 11, 664, 495	11, 571, 342 10, 154, 216	1 2, 830, 155 7, 352, 137	1 1, 509, 528 2, 935, 298	1, 425, 770	2, 228, 664	1, 980, 150 4, 214, 863	2, 320, 031 5, 816, 053	11, 230, 297 6, 608, 346	9, 456, 537
Total	12, 533, 225	8, 582, 874	4, 521, 982	1, 425, 770	1, 986, 661	4, 214, 863	6, 195, 013	8, 136, 084	5, 378, 049	3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Less dividends pald in cash on— Common stock Preferred stock	1, 576, 894	402, 495	00	00	00	0	529, 352	917, 495	397, 218	2, 628, 155 6, 953, 062
Total Other net additions or deductions;	2, 381, 519	402, 495	0	0	0	0	529, 352	917, 495	397, 218	9, 581, 217
Conversion, repurchase, or sale of own securities.	2, 510	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			\$ 462	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	150, 392	1 507, 684		743,
Restoration of or appropriations for reserves. All other charges or credits.									264, 441	4, 765, 001 13, 284, 621
facturing properties		1 828, 242	2 828, 242 21, 586, 684					\$ 102, 559		\$ 2, 517, 485
Surplus, end of the year	10, 154, 216	7, 352, 137	2, 935, 298	1, 425, 770	1, 986, 199	4, 214, 863	5, 816, 053	6, 608, 346	5, 245, 272	

Denotes loss.
Deduction.

TABLE 21 -- Summary of investments, profits, and rates of return for Pittsburgh Steel Co. and subsidiaries, 1917-38

January 1	DEFICIENCE STATEMENT STATE	coemecaea,	bi olices, o	200	or man of for	2 10	200			101 (001		
	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Capital stock: 1 Preferred 2. Common	\$10, 500, 000 7, 000, 000	\$10, 500, 600 7, 000, 000	500, 000 \$10, 500, 600 \$10, 500, 600 000, 000 7, 000, 000	\$10, 500, 000 \$	10, 500, 000 7, 000, 000	110, 500, 000 14, 000, 000	\$10, 500, 000 \$10, 500, 000 14, 000, 000 14, 000, 000	\$10, 500, 000 14, 000, 000	\$10, 500, 000 17, 500, 000	10, 500, 000 17, 500, 000	310, 475, 000 25, 350, 000	\$10, 475, 000 25, 350, 000
3. Total	17, 500, 000	17, 500, 000	17, 500, 000	17, 500, 000	17, 500, 000	24, 500, 000	24, 500, 000	24, 500, 000	28,000,000	28,000,000	35, 825, 000	35, 825, 000
4. Surpius earned and capital 5. Contingency reserves 6. Reserves for Federal income and profits faves	5, 380, 473	10, 496, 917	12, 358, 360	13, 494, 906 505, 834	14, 151, 365	7, 298, 892	6, 865, 775	7, 593, 248	8, 529, 135	8, 146, 890	8, 901, 583	9, 588, 625
7. Capital stock and surplus	23, 018, 596	28, 348, 560	30, 352, 252	31, 490, 740	32, 231, 674	31, 917, 955	31, 441, 100	32, 263, 325	36, 584, 861	36, 511, 772	45, 028, 827	45, 837, 703
9. Stockholders' investment.	22, 253, 558	27, 583, 517	29, 587, 209	30, 725, 697	31, 466, 631	31, 152, 912	30, 676, 057	27, 255, 663	1 00	1 60	4	40, 830, 041
subsidiaries	2, 384, 000			3, 250, 000	2, 200, 000	1,650,000	1, 463, 016	742, 277	194, 423	95, 820	5, 389, 442	4,916,954
	24 637, 553	27, 583, 517 26, 110, 535 24, 918, 535	29, 587, 209 28, 585, 363 28, 585, 363	33, 975, 697 31, 781, 453 30, 156, 453	33, 666, 631 33, 821, 164 31, 096, 164	32, 802, 912 33, 234, 771 31, 309, 771	32, 139, 073 32, 470, 992 30, 914, 484	27, 997, 940 30, 068, 506 28, 965, 860	32, 041, 622 30, 019, 781 29, 551, 431	31, 599, 930 31, 820, 776 31, 675, 654	45, 410, 607 38, 505, 268 35, 762, 637	45, 746, 995 45, 578. 801 40, 425, 603
In Average of common stockholders equity. Net income before deducting Federal	/ 1 4	14, 418, 535	18, 085, 363	19, 656, 453	20, 596, 164	20, 809, 771	20, 414, 484	18, 465, 860	19, 051, 431	21, 175, 654	25, 275, 637	29, 950, 603
income and profits taxes: 16. Applicable to total investment		9, 634, 992	7, 286, 564	3, 015, 598	2, 700, 604	1, 968, 833	667, 081	2, 293, 643	1,824,704	1, 161, 729	3, 290, 507	2, 579, 033
vestment	0 5 5 1 5 0 0 0	9, 634, 992	7, 286, 564	3, 015, 598	2, 566, 149	1,865,708	591, 456	2, 245, 518	1,804,079	1, 161, 729	2, 966, 015	2, 243, 557
bolders' equity	0 1 1 1 1 0 1 6	8, 899, 992	6, 551, 564	2, 280, 598	1,831,149	1, 130, 708	2 143, 544	1, 510, 518	1,069,079	426, 629	2, 232, 756	1, 510, 307
(16÷13)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36.90	25, 49	9, 49	7.98	5.92	2.05	7.63	6.08	3.65	8, 55	5.66
	1 0 0	38, 67	25, 49	10.00	8, 25	5.96	1.91	7.75	6. 10	3.67	8. 29	5.55
Hale of Fruth of common speckholders' equity (18+15)		61.73	36. 23	11.60	8.88	5. 43	3.70	8. 18	5.16	2.02	8.83	5.04

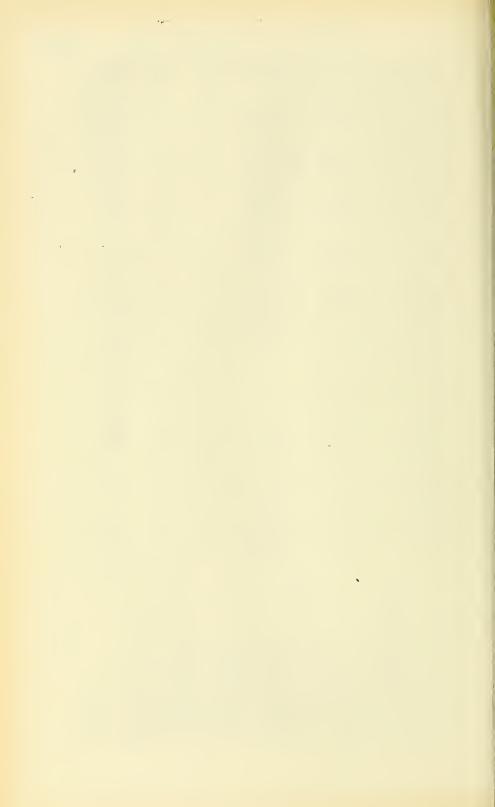
1939		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1			\$39, 298, 408 34, 497, 146	24, 007, 243	1, 933, 327	1, 618, 890	884, 429	4.92	4.69	3.68
1938	\$12, 656, 720 3, 691, 630	16, 348, 350	15, 422, 807		31, 867, 657	117,000	31, 750, 657	5, 303, 818	37, 054, 475 37, 258, 963 31, 713, 897	21, 148, 037	211, 229	1 183, 988	1 928, 147	0.57	1, 58	14.39
1937	\$10, 475, 000 3, 549, 000	14, 024, 000	17, 620, 137	150,000	31, 794, 137	117,000	31, 677, 137	5, 786, 314	37, 463, 451 40, 128, 008 34, 116, 808	23, 641, 808	2, 077, 930	1, 629, 965	896, 715	5. 18	4, 73	3.79
1936	\$10, 475, 000 \$10, 475, 000 25, 350, 000 3, 549, 000	35, 825, 000	698, 479	150,000	36, 673, 479	117,000	36, 556, 479	6, 235, 480	42, 792, 565 41, 316, 034 34, 718, 288	24, 243, 288	205, 547	1 265, 360	3 998, 610	0.50	2, 76	2 4. 12
1935	25, 350, 000	35, 825, 000	1, 912, 759	150,000	37, 887, 759	5,007,662	32, 880, 097	3, 288	39, 839, 504 41, 017, 213 33, 720, 316	23, 245, 316	1, 167, 255	1, 675, 353	2, 408, 603	\$ 2.85	2 4.97	\$ 10.36
1934	\$10, 475, 000 25, 350, 000	35, 825, 000	3, 618, 785	124, 412	39, 568, 197	5,007,662	34, 560, 535	4, 450 7, 639, 938	42, 194, 923 43, 174, 304 35, 298, 641	24, 823, 641	2 793, 063 71, 167,	2 1, 330, 390	2, 063, 640	11.84	13.77	28.31
1933	475, 000 \$10, 475, 000 \$10, 475, 000 \$10, 475, 000 \$30, 475, 000 \$30, 475, 000 \$30, 000 \$25, 350, 000 \$25, 350, 000 \$25, 350, 000 \$25, 350, 000	35, 825, 000	4, 961, 600	257, 808	41,044,408	5,007,662	36, 036, 746	8, 116, 938	44, 153, 684 45, 419, 965 37, 088, 561	26, 613, 561	2 1, 860, 163 2 1, 768, 708	2, 339, 401	3, 072, 651	13.89	16.31	\$ 11.55
1932	\$10, 475, 000 25, 350, 000	35, 825, 000	7, 064, 731	258, 308	43, 148, 039	5,007,662	38, 140, 377	8, 545, 870	46, 686, 247 48, 160, 462 39, 398, 873	28, 923, 873		2, 501, 081	1 3, 234, 331	3.86	\$ 6.35	1.11.18
1931	\$10, 475, 000 25, 350, 000	35, 825, 000	9, 522, 636	317, 395	45, 665, 031	5, 607, 662	40, 657, 369	8, 977, 308	49, 634, 677 51, 220, 616 41, 999, 962	31, 524, 962	2, 616, 644 1, 069, 855	11, 713, 726	2 2, 446, 976	1 2.09	1.4.08	37.76
1930	\$10, 475, 000 25, 350, 000	35, 825,000	12, 258, 461	266, 756	48, 350, 217	5,007,662	43, 342, 555	9, 464, 010	52, 806, 565 53, 365, 878 43, 771, 650	33, 296, 650		1, 930, 219	1; 196, 969	4.90	4.41	3.59
1929	25,	35, 825, 000	12, 829, 781	553, 627	49, 208, 408	5,007,662	44, 200, 746	9, 724, 446	53, 925, 192 52, 797, 615 42, 716, 806	32, 241, 806	5, 770, 713	5, 173, 284	4, 440, 034	10,93	12.11	13.77
1928	\$10, 475, 000 25, 350, 000	35, 825, 000	9, 927, 569	487, 960	46, 240, 529	5, 007, 662	41, 232, 967	10, 437, 171	51, 670, 038 48, 708, 516 41, 031, 454	30, 556, 454	1, 886, 895	1, 510, 057	776, 807	3.87	3.68	2.54
	Capital stock: 1. Preferred. 2. Common.	3. Total	4. Surplus—earned and capital	6. Reserves for Federal income and profits taxes	7. Capital stock and surplus		9. Stockholders' Investment		12. Total investment 13. Average of total investment 14. Average of stockholders' Investment 15 Average of sommon stockholders'		lucome and profits taxes: 16. Applicable to total investment 17. Applicable to stockholder, to		Pate of return on total investment	(16+13) Percentage of the control of	ment (17+14)percent	

¹ Less unamortized debt discount and expense.
² Denotes loss.

Table 21a.—Summary of income, expenses, and surplus for Pittsburgh Steel Co. and subsidiaries, 1917-38

1928	\$28, 316, 882 21, 990, 905	2,766,929 1,611,159	1, 948, 789	1,886,895	1, 510, 057	1, 342, 141 9, 588, 625	10, 930, 766	733, 250	733, 250	170,694	9, 927, 569
1927	\$31, 085, 326 24, 358, 363	2, 594, 440	2, 545, 795		2, 243, 557	1, 951, 958 8, 901, 583	10, 853, 541	507, 000	1, 240, 250		9, 588, 625
1926	\$\tilde{\pi} \ \cdot 2	2, 283, 018 1, 406, 899	30, 760, 401	65	2, 966, 015	2, 533, 578 8, 146, 890	10, 680, 468	935, 491	1, 668, 741	\$ 195, 740 85, 596	8, 901, 583
1925	\$22, 936, 965 19, 196, 607	1, 781, 772 887, 693	1,070,893	1 :	1, 161, 729	1,052,755 8,529,135	9, 581, 890	700, 000	1, 435, 000		8, 146, 890
1924	\$ -	1, 688, 258 1, 337, 009	1, 422, 121		1, 804, 079	1, 558, 680 7, 593, 248	9, 151, 928	804, 994 3, 500, 000 735, 000	5, 039, 994		8, 529, 135
1923	69	1, 301, 569 1, 427, 092	1, 983, 146	1	2, 245, 518	2, 022, 473 6, 865, 775	8, 888, 248	560, 000	1, 295, 000	1	7, 593, 248
1922	\$15, 656, 960 13, 535, 267	1, 253, 406 866, 330	15, 655, 003		591, 456	861, 883 7, 298, 892	8, 160, 775	560,000	1, 295, 000		6, 865, 775
1921	69 4	1, 243, 154 985, 889	1, 611, 996	-	1,865,708	1, 722, 527 14, 151, 365	15, 873, 892	840,000 7,000,000 735,000	8, 575, 000		7, 298, 892
1920	\$27, 483, 107 22, 780, 463	771, 999 1, 126, 306	24, 678, 768	2,700,604	2, 566, 149	1, 961, 459 13, 484, 906	15, 446, 365	560, 000	1, 295, 000		14, 151, 365
1919	\$31, 265, 012 \$27, 483, 107 25, 980, 340 22, 780, 463	1, 054, 464	28, 310, 238	6,	3, 015, 598	2, 771, 546 12, 358, 360	15, 129, 906	910, 000	1,645,000		13, 484, 906
8161		974, 087 1, 365, 134	30, 733, 812	1 ;	7, 286, 564	4, 556, 443	15, 053, 360	1, 960, 000	2, 695, 000		10, 496, 917 12, 358, 860 13, 484, 906 14, 151, 365
1917		1, 103, 587	9, 613, 938	9, 634, 992	9, 634, 992	7, 811, 444 5. 330, 473	13, 191, 917	1,960,000	2, 695, 000		10, 496, 917
	Net sales. Cost of goods sold	penses Provision for depreciation and deple- tion	Total operating expenses	Net income applicable to total investment Less interest on long-term debt.	Net income applicable to stock-holders' investment. Provision for Federal income and profits and taxes.	Net income for the yearSurplus beginning of the year	Total	Less dividends paid on— Common stock in cash Common stock is stock Preferred stock in cash	Total Other net additions or deductions: Revaluation of real estate, plant, mined and manufacturing properties and equipment.	Acquisition of assets and securities of other companies. Conversion, repurchase, or sale of own scentifies. Other net additions or deductions.	

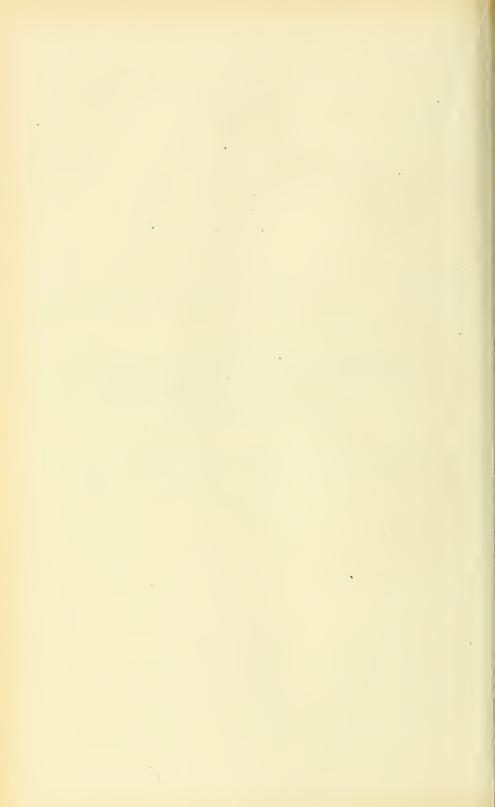
Denotes loss.
Denotes deduction.



PART IV

INVESTMENTS, PROFITS, AND RATES OF RETURN FOR MANUFACTURERS OF FARM IMPLE-MENTS AND MACHINES

17897



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INVESTMENTS, PROFITS, AND RATES OF RETURN FOR MANUFACTURERS OF FARM IMPLEMENTS AND MACHINES

INTRODUCTION

This report deals with the financial aspects of manufacturers of farm implements and machines. Information concerning investments, profits, and rates of return are presented for important companies in the industry for the years 1913 to 1937, inclusive. The information is presented with regard to the source of the material and extent of the industry represented, and summaries and comparisons of investments, profits, and rates of return are made for individual companies and groups of companies. Rates of return are presented for the entire period for all companies combined for which the information was available, and comparisons are made of the returns for the full-line or long-line companies individually and as a group, and for short-line companies as a group. Comparisons are also made of the investments, sales, and operating results of individual companies, and the degree of concentration of the business in the hands of a relatively few companies is indicated. Information concerning salaries and other compensation paid to officers of the principal corporations in the industry is presented for the years 1927 to 1936, inclusive. The development and operations of each of the long-line companies is discussed separately.

The full- or long-line companies are those who manufacture a variety of types and sizes of farm tillage implements, seeding and planting machines, cultivators, harvesting machines, farm hauling equipment, and farm power-developing machines. The short-line manufacturers are those who manufacture implements of one or more of these lines but not a complete line. The long-line companies include International Harvester Co., Deere & Co., J. I. Case Co., Allis-Chalmers Manufacturing Co., Oliver Farm Equipment Co., Minneapolis-Moline Power Implement Co., Massey-Harris Co., Inc., and B. F. Avery & Sons Co. These companies do the bulk of the farm-machinery business in this country. Of these, International Harvester Co. is by far the most important. From the standpoint of capital invested and volume of sales, it dominates the industry. The operations of this company and its closest competitor, Deere & Co., have been highly profitable and their rates of return on investment were generally much higher than

for other companies.

Reference is made to the report of the Federal Trade Commission on the agricultural implement and machinery industry in which statements 1 are made to the effect that International Harvester Co. and Deere & Co. have established the price levels for the great majority of agricultural implements and machinery; and that the exchange of price lists among farm-machinery manufacturers, evidence of dealer coercion, and the continued dominant position of International Harvester Co. since its organization in 1902 together with the typical monopolistic behavior of its business operations during the depression when there was only a relatively slight percentage of decline in its farm-machinery prices but a sharp percentage decline in its volume of production and employment as contrasted with the behavior of industries known to be competitive where the percentage in the decline of prices was greatest and the declines in the volume of production and employment, were less in the opinion of the Commission, and the raising of its farmmachinery prices in 1938 over those of 1937 in the face of profitable earnings in the latter year, indicate the existence of a serious monopolistic condition in the farm-machinery industry.

Source of Information

The financial data, which are the basis for the discussion of investments, profits, and rates of return, were obtained for the more important farm-machinery manufacturers from various sources. Such information was obtained for the most important companies for each of the years 1913 to 1937, inclusive, and for a varying number of years during this period for the other companies.

¹ Pp. 1037-1038.

The source of the information from 1913 to 1918, inclusive, was a report of the Federal Trade Commission on the causes of high prices of farm implements, while the source of data from 1927 to 1936; inclusive, was another report of the Federal Trade Commission on the agricultural implement and machinery industry. For the intervening period from 1919 to 1926, inclusive, and for the year 1937 the information was assembled from reports submitted by the companies in answer to a questionnaire, or from published reports. For the reason that the financial data were obtained from several sources, there are varying numbers of manufacturers represented in the combined statistics. For instance, during the earlier period, there were 26 companies for which data were assembled, and during the period from 1919 to 1926 the number varied from 16 to 20 companies, while for the period from 1936, inclusive, the number varied from 59 to 72 companies. During the year 1937 data were obtained for only 17 companies.

While it may appear that the number of companies for which data are assembled is small, nevertheless the proportion of the industry covered is very large because the most important companies are included in the combined statistics. Census reports issued as early as 1849 showed that 1,333 establishments manufactured agricultural implements. The total number of establishments decreased steadily, reaching a low of 170 ini1933.

While there are considerably more companies listed by the census as farm-machinery manufacturers than are included in this report, the total volume of business of those companies not included was relatively small. The farm-machinery manufacturers for which information is presented herein represent a substantial proportion of the industry. This is indicated by the fact that during 1914 the companies covered accounted for 93 percent of the total value of farm

1914 the companies covered accounted for 93 percent of the total value of farm machinery produced. In 1936 the sales of the companies covered represented over 95 percent of the total domestic and export sales of farm machinery as reported to the Census.

RATES OF RETURN FOR ALL COMPANIES COMBINED

The investments and profits of the farm-machinery manufacturers are correlated and expressed in rates of return based upon the actual investment after deducting all appreciation, goodwill, and other intangibles insofar as could be determined.

Table 1 which follows, summarizes the investments, profits, and rates of return for each of the years 1913 to 1927, inclusive, for all companies combined for which the information was available. Rates of return have been computed on the basis of the stockholder's investment and the total investment.

The stockholder's investment consists of the capital stocks outstanding, surplus, surplus reserves, and reserves for Federal income and profits taxes. The total investment includes the stockholder's investment plus borrowed funds. The investments were averaged at the beginning and end of each year, except for borrowed funds, other than long-term debt, which generally were averaged monthly.

The profits used in computing rates of return on the stockholder's investment represent the net income from all sources after deducting all costs and expense of doing business, but before deducting provisions for Federal income and profits taxes. The net income, before deducting interest on borrowed funds and provisions for Federal income and profits taxes, was used in computing rates of return on the total investment.

Table 1.—Summary of investments, profits, and rates of return on the stockholders' investment and the total investment for all farm-machinery manufacturers for which the information was available, 1913-37

	N	Average in	vestment 1		applicable		f return
Year	Number of com- panies	Stock- holders'	Total	Stock- holders' invest- ment	Total invest- ment	Stock- holders' invest- ment	Total invest- ment
1913	26 26 26 22 26 16 16 18 19 19 20 59 63 67 70 70 71 71 71 72 71	\$293, 234, 875 305, 495, 437 309, 901, 895 319, 705, 153 340, 252, 108 366, 879, 066 374, 259, 342 365, 415, 102 342, 840, 846 333, 386, 678 333, 522, 358 344, 990, 404 488, 691, 014 540, 279, 861 670, 188, 640 712, 395, 516 600, 642, 596 635, 828, 234 592, 966, 495 578, 725, 500 595, 551, 402	\$367, 546, 631 402, 529, 421 408, 319, 226 335, 758, 408 392, 817, 697, 335 372, 777, 929 380, 082, 840 378, 262, 881 359, 465, 699 348, 945, 831 373, 618, 801 530, 264, 755 579, 619, 078 803, 188, 443 772, 287, 188, 801 772, 166 775, 913 775, 913 777, 166 639, 772, 166	\$28, 861, 469 18, 349, 227 22, 050, 849 34, 983, 632 56, 027, 75 68, 101, 587 39, 449, 053 30, 480, 855, 449 \$1, 648, 800 32, 680, 772 16, 977, 361 21, 146, 363 24, 368, 000 56, 844, 438 74, 500, 659 96, 263, 457 116, 864, 992 63, 681, 402 3 4, 268, 155 3 5, 387, 302 3 14, 346, 551 20, 303, 990 67, 297, 098 496, 692, 480	\$34, 700, 776 24, 799, 691 26, 849, 980 38, 211, 052 58, 790, 767 71, 625, 663 39, 962, 117 41, 350, 001 2388, 887 21, 108, 095 18, 301, 787 22, 283, 874 24, 3430, 311 56, 864, 965 76, 235, 383 98, 490, 343 312, 514, 779 68, 445, 282 283, 445, 282 283, 445, 282 22, 275, 245 68, 896, 288 498, 143, 887	Percent 9, 84 6, 01 7, 12 10, 94 16, 47 10, 75 10, 92 1, 45 2, 78 5, 09 6, 34 12, 48 15, 46 14, 94 17, 82 2, 5, 57 3, 2, 42 3, 51 11, 30 4, 44 4, 98	Percent 9, 44 6, 16 6, 58 9, 69 14, 97 17, 57 10, 72 10, 88 3, 99 5, 24 6, 41 12, 25 15, 22 14, 38 16, 99 16, 46 8, 52 3, 02 4, 52 3, 10 77 414, 20

¹ Investments were averaged at beginning and end of year, except in some years borrowed funds were averaged monthly, after deducting appreciation and intangibles.
¹ Profits are before provisions for Federal income and profits taxes.

The table shows that the number of companies whose financial data were combined to obtain the rates of return for the years 1913 to 1937, inclusive, varied from 16 to 72. However, it should be noted that the more important companies were included for the full period, or for each of the years for which they were in operation. For instance, International Harvester Co. and Deere & Co. were in operation for the entire period, and the data for these companies are included for each year. Some of the companies for which information was obtained for the earlier years discontinued operations or were consolidated or merged with other companies whose data are presented for the later period. Also, other companies began operations during the period, and data are presented for those companies for the period for which they were available.

The table shows that the rates of return on both bases of investment fluctuated widely throughout the 25-year period. For example, the rate of return on the total investment for all companies combined was 9.44 percent in 1913. It was less in 1914 and 1915, and during the years 1916-18, increased to 17.57 percent, the highest rate of return for any year throughout the period. The years 1921 and 1922 and the years 1931, 1932, and 1933 were unprofitable. Profits ranging from 12.25 percent to 16.99 percent were earned during the years 1925-28, and during the years 1935, 1936, and 1937 rates of return of 10.77 percent, 14.20 percent, and 15.13 percent, respectively, were earned on the total investment.

It will be noted that the rates of return on the stockholder's investment were only slightly higher for most years than the years of return on the total investment. This is accounted for by the fact that the differences between the amounts of stockholders' investment and total investment were relatively small in each year. Most of the capital of the farm-machinery manufacturers was obtained from the issuance of stock and from the reinvestment of earnings. For example, it was found that during the years 1927 to 1936, inclusive, borrowed funds accounted for only from 5.55 percent to 10.98 percent of the total investment.

¹ Loss.

For 1 company, the profits for 1936 were for 11 months only because of a change in fiscal closing dates.
 For 2 companies, the profits for 1937 were for 10 months only because of change from calendar to fiscal vear basis.

Comparison of Rates of Return for Long-Line Companies and Short-Line Companies

During the period under review, the bulk of the farm-machinery business has been in the hands of a few companies. In terms of capital invested and volume of sales these companies have dominated the industry. This concentration has come about and continues to increase largely as the result of consolidations of competing concerns to form larger units such as International Harvester Co., Minneapolis-Moline Power Implement Co. and Oliver Farm Equipment Co.; and of the acquisition of independents by International Harvester Co., Deere & Co., Allis-Chalmers Manufacturing Co., and J. I. Case Co. These companies, together with B. F. Avery & Sons Co. and the Massey-Harris Co., comprise the long-line manufacturers of farm implements and machines.

The full-line or long-line manufacturers are those who manufacture farm tillage implements, seeding and planting machines, farm hauling equipment, and farm power developing machines of various types and sizes. The short-line companies are those who manufacture implements of one or more of these lines, but not a

complete line.

The influence of the long-line companies in the summary of investments, profits, and rates of return in the preceding table for all companies combined is indicated by the fact that during the years 1913-18 their combined investments, or those of their predecessor companies, averaged 85.13 percent of the total for all companies; for the years 1919-26 their investments averaged 93.29 percent of the total; or the years 1927-36 their investments averaged 87.02 percent of the total; and for the year 1937 their combined investments averaged 98.15 percent of the total. If the investment of one large company, namely, Caterpillar Tractor Co., is eliminated from the comparison for the years 1927-36 for the reason that much of its investment is devoted to the manufacture of products other than those for agricultural purposes, the combined investments of the long-line companies would average 92.09 percent of the total for all companies, excluding this company.

The following table 2 compares the annual rates of return for the principal longline companies combined and for the short-tine companies combined for the years

1913 to 1937, inclusive.

Table 2.—Comparison of rates of return on total investment for the principal longline farm-machinery manufacturers, and for all other 1 short-line farm-machinery manufacturers, 1913-37

	Number of f	arm-machine combined	ery companies	Rates of ro	eturn on tota	l investment
Year	Principal long-line manufac- turers	All other 1 short-line manufac- turers	All farm- machinery manufactur- ers combined	Principal long-line manufac- turers ²	All other ¹ short-line manufac- turers	All farm- machinery manufactur- ers combined
1913 1914 1915 1916 1917 1918	5 5 5 5 5 5 5	21 21 21 21 21 21	26 26 26 26 26 26 22	Percent 10.09 6.62 7.30 10.32 15.72 16.92	Percent 6.06 3.54 2.46 5.90 10.60 21.75	Percent 9, 44 6, 16 6, 58 9, 66 14, 97 17, 57
Annual average, 1913-18				11. 18	8.17	10.74
1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926.	5 5 5 5 5 5 5 5 5 5	11 11 13 14 14 14 14 14 15	16 16 18 19 19 19 19 20	10, 43 11, 14 61 3, 07 5, 12 6, 47 12, 56 15, 61	14. 90 7. 30 3 9. 45 3 4. 90 7. 01 5. 49 7. 87 9. 84	10. 72 10. 88 3. 09 3. 39 5. 24 6. 41 12. 25 15. 22
Annual average,				7.77	4, 61	7. 56
1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936.	6 6 8 8 8 8 8 8 8	52 56 58 60 61 62 62 63 62 61	59 63 67 69 70 71 71 72 72 71	14. 55 17. 02 16. 23 8. 26 . 01 3 4. 28 3 2. 04 3. 11 10. 54 4 13. 56	4. 59 7. 09 6. 30 1. 01 ³ 4. 77 ³ 8. 00 ³ 2. 58 2. 14 5. 57 8. 71	14 38 16. 99 16. 46 8. 52 3 .02 3 4. 52 3 1. 80 3. 58 10. 77 14. 20
Annual average, 1927-36				7.40	1.78	7.51
1937	6	11	17	⁸ 15. 10	6 16.73	15. 13
Annual average, 1913-37				7. 69	4. 57	8. 10

¹ All other short-line farm-machinery manufacturers included all companies for which data were available other than those companies included as long-line manufacturers and other than Caterpillar Tractor Co., 1927–36, inclusive, which is included in the total but is not included either as a short-line or long-line manufacturer for the reason that its size and type of products manufactured distorted the figures for the individual classes of farm-machinery manufacturers.

The principal long-line manufacturers included are, as follows: International Harvester Co., 1913-37; Deere & Co., 1913-37, Emerson-Brantingham Co., 1913-26; Moline Prow. Co., 1913-18; Allis-Chalmers Manufacturing Co., 1913-37; J. I. Case Co., 1919-37; Oliver Farm Equipment Co., 1923-37; Minneapolis-Moline Power Implement Co., 1929-37; the Massey-Harris Co., 1927-36; and B. F. Avery & Sons Co., 1913-36.

³ Loss.

For I company, namely, International Harvester Co., the profits were based on 11-months operations.
 For 2 companies, J. I. Case Co. and Oliver Farm Equipment Co., the profits were from 10-months perations.

operations.

Includes New Idea, Inc., which had a rate of return of 30.49 percent while all other short-line companies except. New Idea, Inc., had a rate of return of 11.15 percent.

Table 2 shows that for the entire period from 1913 to 1937, inclusive, the annual average rate of return on the total investment for the long-line manufacturers combined was 7.69 percent as compared with 4.57 percent for the short-line manufacturers combined. For the years 1913-18, the rates of return averaged 11.18 percent for the long-line companies as compared with 8.17 percent for the short-line companies. For the years 1919-26, the annual returns were less, averaging 7.77 percent for the long-line companies and 4.61 percent for the short-line companies. For the years 1927-36, the returns averaged 7.40 percent for the long-line companies. For the year 1937 the returns averaged 15.10 percent for the short-line companies and 16.73 percent for the short-line companies. The rate of return for the short-line manufacturers is materially influenced during this year by the profits of one company, namely, New Idea, Inc., which had investments of \$3,304,053 and profits of \$1,007,269, resulting in a rate of return of 30.49 percent for the year 1937. Thus, excluding New Idea, the other 10 short-line manufacturers combined, with investments of \$8,144.673 and profits of \$908,502 and a rate of return of only 11.15 percent, which was less than the average rate of return for the long-line companies.

It will be noted that the average rates of return for all companies combined were higher for the entire period and for the years 1927-36 than the average returns for either of the groups of long-line or short-line companies. This is accounted for by the inclusion in the combined figures for all companies of the investments and profits of Caterpillar Tractor Co. which were not used in computing the rates of return for each group separately. Much of this company's business is devoted to the manufacture and sale of road machinery and industrial tractors. Therefore, to have included the data for this company with either group would have distorted the comparisons. This company's operations were highly profitable, averaging 18 percent on an average total investment of \$37,

538,882 for the years 1927-36.

For a number of these companies, including Caterpillar Tractor Co., Allis-Chalmers Manufacturing Co. and others, the manufacturing business other than the farm-machinery business could not be segregated as to investments and profits for the purpose of showing rates of return on the farm-machinery business only. However, for a number of companies the investments, profits, and rates of return applicable to the farm-machinery business are available. The following tabulation shows a comparison of rates of return on the total investment in the farm-machinery business for long-line and short-line manufacturers for the years 1927 to 1936, inclusive. It will be noted that the rates of return for all companies were slightly higher on the farm-machinery business than on the total investment.

Comparison of rates of return on the investment in the farm-machinery business for long-line and short-line companies with the returns for both classes of companies combined 1927-36

	Long-line	companies	Short-line	companies	То	tal
Year	Number of companies	Rate of return	Number of companies	Rate of return	Number of companies	Rate of return
1927 1928 1929 1930 1931 1931 1932 1933 1934 1934	5 7 7 7 7 7 7	Percent 16, 12 20, 03 18, 41 9, 14 40 15, 71 13, 06 3, 43 12, 31 15, 62	47 50 52 54 55 56 56 57 56 55	Percent 3.58 7.41 5.35 1.37 16.28 110.68 14.18 1.79 6.01 8.57	52 55 59 61 62 63 63 64 63 62	Percent 14. 98 18. 90 17. 52 8. 52 1. 09 1 6. 07 1 3. 14 3. 31 11. 90 15. 25
Average		8. 50		. 91		7. 98

¹ Denotes loss.

This comparison of rates of returns for long-line and short-line companies indicates that from the farm-machinery business only, the long-line companies were much more profitable than the short-line companies. For the 10-year period the rates of return on the farm-machinery business for the long-line companies averaged annually 8.5 percent as compared with less than 1 percent for the short-line companies.

COMPARISON OF RATES OF RETURN OF PRINCIPAL LONG-LINE COMPANIES

It has been explained that the investments of the long-line companies as a group averaged 85.13 percent of the total for all companies during the years 1913–18, 93.29 percent of the total for the years 1919–26, 92.09 percent for the years 1927–36, excluding Caterpillar Tractor Co., and 98.15 percent for the year 1937. The following tabulation indicates the relative importance of each of the long-line companies from the standpoint of size of investments.

Comparison of ratios of total investments for the principal long-line manufacturers to the combined total investments 1 for various periods from 1913 to 1937, inclusive

	Annual average 1913-18	Annual average 1919–26	Annual average 1927–36	Annual average 1937
International Harvester Co	Percent 59, 79 13, 65	Percent 63. 90 14. 61	Percent 55. 53 11. 63	Percent 58. 76 14. 06
Allis-Chalmers Manufacturing Co	5. 54	7. 55 5. 59	8. 09 6. 57	12. 82 6. 40
Oliver Farm Equipment Co. Minneapolis-Moline Power Implement Co. The Massey-Harris Co. B. F. Avery & Sons Co.	5. 27	1. 64	5. 20 2. 72 1. 48 .87	3. 89 2. 2 2
Long-line companies combined	85. 13 14. 87	93. 29 6. 71	92. 09 7. 91	98, 15 1, 85
Total	100.00	100.00	100.00	100.00

¹ For all companies for which the information was available, except Caterpillar Tractor Co. 2 Moline Plow Co., 1913-18.

It has been shown that the long-line manufacturers as a group generally had higher rates of return than the short-line manufacturers. It is significant that of the long-line manufacturers, the two most important companies, namely, International Harvester Co. and Deere & Co., whose operations extended throughout the period from 1913 to 1937, inclusive, had higher rates of return than any of the other long-line manufacturers. For instance, the rate of return on the total investment for International Harvester Co. averaged 9.62 percent and for Deere & Co., 11.10 percent. These rates of return compare with 6.22 percent for Allis-Chalmers Manufacturing Co., 6.59 percent for J. I. Case Co., 2.63 percent for Minneapolis-Moline Power Implement Co., and 4.26 percent for B. F. Avery & Sons Co. For Oliver Farm Equipment Co. and the Massey-Harris Co., the losses exceeded the profits for the periods covered so that the average annual rates of loss on the total investment were 0.55 percent for Oliver Farm Equipment Co. and 5.54 percent for the Massey-Harris Co. Comparisons of the annual rates of return based on the total investment for each of the principal long-line farm-machinery manufacturers from 1913 to 1937, inclusive, are presented in the following table 3.

TABLE 3.—Comparison of rates of return on total investment for each of the principal long-line farm-machinery manufacturers, 1913-37

1000				
Long-line farm-ma- chinery manufac- turers combined	Percent 10.09 6.62 7.30 10.72 15.72 11.18	10, 43 11, 14 11, 14 1, 07 5, 12 6, 47 12, 56 12, 56 15, 61	14,55 17,02 16,23 16,23 16,23 17,20 13,20 13,20 13,50 13,50 13,50 14,00 17,40	15.10
B. F. Avery & Sons	Percent 7.06 9.12 1.11 7.66 13.98 25.46 11.30	21.55 18.67 12.76 2.26 5.96 4.14 6.40	6.26 11.09 11.09 11.00 11.00 15.28 15.28 1.120 1.120 1.147 1.147	4.26
The Massey-Harris	Percent		0.71 2.05 3.2.05 3.5.44 3.5.20 3.10.70 3.11.96 3.11.96 3.2.75	
Minneap- olis-Moline Power Im- plement Co.1	Percent 7.31 2.379 2.33 2.33 2.42 2.42 2.10.21 2.665		2. 3. 3. 3. 1. 19. 3. 11. 19. 3. 10. 19. 3. 3. 3. 3. 10. 19. 3. 10. 19. 3. 10. 19. 3. 10. 3.	
Ollver Farm Equip- ment Co.	Percent		2.1.1.32 2.0.0.04 2.0.04 2.0.04 2.0.04 3.0.04 5.00 5.00 5.00 5.00 5.00 5.00 5.00	14.62
Emerson- Branting- ham Cor- poration ¹	Percent 6.14 3.45 11.27 11.27 11.82 5.07 9.03 3.73	6.777 8.4.95 8.9.25 8.9.25 8.9.25 8.9.25 9.1.29		.65
J. I. Case	Percent	12.64 13.29 12.07 1.21 2.42 13.09 17.10	17.16 17.46 9.20 9.73 6.73 6.73 1.17 1.17 1.17 1.17 1.17 1.17 1.17 1	
Allis- Chalmers Manufac- turing Co.	Percent		8. 62. 12. 12. 12. 12. 12. 12. 12. 12. 12. 1	13.88
Deere &	Percent 9.65 6.83 7.41 10.81 10.89 10.89	19.25 12.21 3.3.74 3.3.15 4.79 10.89 10.89 11.86	21.80 25.80 28.93 15.95 16.95 16.29 17.07 16.29 14.68 22.66	24.91
Interna- tional Harvester Co.	Percent 10.95 7.74 8.28 11.48 17.15 17.15 17.15 17.34	8.32 11.13 2.26 1.74 1.74 1.74 1.74 1.65 1.65 1.68 1.68 1.68 1.68 1.68 1.68 1.68 1.68	14, 41 17, 03 17, 20 8, 62 8, 62 1, 05 1,	13.18
Year	1913 1914 1915 1916 1917 1918 Annual average	1919 1920 1921 1922 1923 1924 1925 1926 A nutial ayerage	1927 1928 1928 1930 1931 1931 1935 1935 1935 1936 1936	1937 Annual average.

Refers of return for J. L. Case Threshing Machine Co., a predecessor company, 1919 to 1928, inclusive, and for Emerson-Brantingham Corporation consolidated with J. I. Case Co. in 1928.

4 Rates of return for Moline Plow Co., a predecessor company, 1913 to 1918, inclusive.

5 Loss.

4 Based on net profit for 11 months.

5 Based on net profit for 10 months.

COMPARISONS OF SALES AND OPERATING RESULTS

The concentration of the business in the hands of a few farm machinery manufacturers is further indicated by the volume of sales of the group of long-line companies as compared with the combined sales of all other companies for which the information is available. During the years 1913–18, the combined sales of all companies averaged \$232,910,470 per annum, and ranged from \$184,150,089 in 1915 to \$326,636,666 in 1918. During the years 1919–26, the annual average sales for all companies amounted to \$255,535,094. The sales decreased from \$341,271,658 in 1920 to \$169,710,816 in 1921, and increased thereafter to \$33,301,-277 in 1926. For the years 1927–36, the total sales averaged \$387,237,715 annually. The greatest volume of sales during this period was for the year 1929 in the amount of \$634,400,846, decreasing thereafter to a low of \$145,353,371 in 1932 and increasing thereafter to \$521,070,464 in 1936. For the year 1937 the sales for all companies included in the sample amounted to \$610,425,375. During these periods information was available on the volume of sales for a maximum of 26 companies during 1913–18, 16 companies during 1919–26, 72 companies during 1927–36, and 17 companies during 1937.

During the years 1913-18, the sales of International Harvester Co. alone averaged 58.68 percent of the total sales for all companies for which the information was available. During the years 1919-26, this company's sales averaged 69.29 percent of the total, and for the years 1927-36, its total net sales averaged 57.86 percent of the total, excluding the sales of Caterpillar Tractor Co. for the reasons already given. In 1937 International's net sales amounted to 55.94 percent of

the total sales for all companies included in the sample for that year.

However, it should be borne in mind that the net sales of International Harvester Co. included domestic and foreign sales of products manufactured in this country and abroad and large amounts for motortrucks which are used primarily for industrial purposes. The comparisons also include the net sales of products other than farm implements and machines for Allis-Chalmers Manufacturing Co. and for some of the larger short-line companies. The comparisons of sales, therefore, are not strictly confined to the farm-machinery business of the companies. Because of the multiplicity of operations in some of the companies, it was not possible to segregate definitely the farm-machinery operations from other operations for all years. However, a study was made of the sales of 63 companies for the year 1936 in order to determine as accurately as possible the sales applicable to the farm-machinery business only. The relative importance of the farm-machinery sales for each of the long-line companies is indicated in the following tabulation, which compares the sales of the long-line companies individually and as a group, and of the short-line companies as a group for the year 1936.

Company	Net sales of farm ma- chinery, 1936	Percentage of sales of long- line com- panies	Percentage of sales of long- line and short- line com- panies com- bined
International Harvester Co. Deere & Co. J. I. Case Co. Oliver Farm Equipment Co. Allis-Chalmers Manufacturing Co. Minneapolis-Moline Power Implement Co. Massey-Harris Co. B. F. Avery & Sons Co.	21, 905, 648 18, 171, 169 31, 440, 290 10, 419, 474 4, 955, 029	Percent 44. 66 23. 25 7. 84 6. 50 11. 25 3. 73 1. 77 1. 00	Percent 41. 26 21. 48 7. 24 6. 01 10. 39 3. 44 1. 64 . 92
Total long-line companies	279, 507, 330 23, 064, 579		92. 38 7. 62
Total	302, 571, 909	100.00	. 100.00

The figures for International Harvester Co. do not include its sales of motor-trucks and binder twine, although these products are used on the farm; a considerable portion of its sales are for industrial use primarily. Since this company is the only one for which the figures are submitted who manufactures these products, its sales of motortrucks and binder twine were not included in order to afford a better comparison of the farm-machinery sales of all companies. If the sales of these products were included, International's sales would represent 56.43 percent of the total for the long-line companies and 52.99 percent of the total for all companies, instead of 44.66 and 41.26 percent, respectively, as shown in the tabulation. However, on either of the bases of comparison it is evident that International Harvester Co.'s sales predominate.

A further indication of the relative importance of International Harvester Co. and Deere & Co. in the farm-machinery business is the proportion of various types of implements sold by each of these companies compared with the total sales for all companies for which the information is available. The following tabulation shows the percentages of sales of the more important farm implements and machines by International and Deere and all other companies for the years

1921 and 1936.

Percentages of the total number of representative farm implements and machines sold for use in the United States by International Harvester Co. and Deere & Co. as compared with other manufacturers during 1921 and 1936

Farm implement or machine	International Harvester Co.		Deere & Co.		Other companies	
	1921	1936	1921	1936	1921	1936
Grain and rice binders Combines (all widths) Grain threshers (all sizes) Mowers Rakes, sulky dump Rakes, side delivery Hay loaders Corn binders Corn pickers Corn huskers and shredders Ensilage cutters, silo fillers Walking plows, moldboard, 2-horse and larger Sulky plows, horse-drawn Tractor plows, moldboard Disk harrows Spike tooth harrows Spring tooth harrows Corn planters Cultivators, riding, 1-row, 2-horse Cultivators, riding, 2-row-horse-drawn	4. 6 62. 4 51. 2 53. 3 43. 9 70. 1 97. 5 48, 4 21. 0 8. 4 13. 0 15. 8 32. 22 31. 5 27. 1 32. 3 33. 4	56. 5 11. 8 20. 4 53. 4, 50. 6 36. 9 38. 6 64. 6 24. 3 22. 1 22. 3 35. 8 37. 5 5 26. 8 32. 9 33. 4 40. 5 22. 5 22. 5	13. 5 14. 3 14. 7 25. 7 26. 3 17. 3 10. 4 12. 2 5. 3 17. 9 21. 6 19. 4 25. 0 18. 7 27. 1	31. 7 15. 8 10. 0 21. 8 19. 1 27. 4 25. 4 24. 5 21. 1 6 12. 2 14. 3 25. 6 22. 0 19. 7 19. 9 43. 3 22. 9	13. 3 14. 9 95. 4 23. 3 34. 1 21. 0 29. 8 12. 6 2. 5 51. 6 79. 0 81. 2 74. 8 78. 9 49. 9 46. 9 46. 5 42. 7 46. 5 49. 8	11. 8 72. 4 69. 6 30. 3 36. 36. 36. 36. 36. 36. 36. 36. 36. 36.

The foregoing tabulation shows that International Harvester Co. and Deere & Co. accounted for a greater proportion of the total sales of many of the lines of farm implements and machines. International Harvester Co. increased its proportion of the total units in 1936 over 1921 in the case of 9 implements or machines and for 11 implements and machines its proportion of the total decreased. Deere & Co. had increases in its proportion of the sales in the case of 16 implements out of a total of 20. All the other companies combined gained on only 8 implements and machines and lost ground on 12 out of the total of 20. This is significant when it is remembered that one important company, namely, Allis-Chalmers Manufacturing Co. entered the farm-machinery field within this period and gained a considerable proportion of the business, especially in the tractor and power-drawn implement lines. The other companies which usually had the next largest proportions of the sales generally followed in the order of J. I. Case Co., Oliver Farm Equipment Co., Allis-Chalmers Manufacturing Co., Minneapolis-Moline Power Implement Co., the Massey-Harris Co., and B. F. Avery & Sons Co. Obviously, the proportions of the total were not consistenly in this order for each kind of farm implement or machine. In regard to some implements and machines a few of the short-line manufacturers sold a substantial proportion of the total.

The national business conditions and the purchasing power of the farmer are important factors affecting the trends of sales, profits, and rates of return of the farm-machinery manufacturers. Table 4, which follows, shows for all companies

for which the information was available the total volume of net sales, including sales of products other than farm implements and machines, for each of the years 1927 to 1936, inclusive, and the income and expenses per dollar of net sales for each year. The ratios show the trend in costs and expenses in relation to sales and the effect of the variations on profits.

Table 4.—Costs, expenses, and profits or losses per dollar of net sales applicable to the entire business for all farm-machinery manufacturers for which the data are available, 1927-36

Year	1927	1928	1929	1930	1931
Number of companies	59 \$434, 202, 738	\$499, 145, 288	\$634, 400, 846	\$532, 425, 137	\$302, 802, 595
Net sales	Cents 100.00 68.14	Cents 100.00 65.25	Cents 100.00 65.62	Cents 10J. 00 68. 89	Cents 100.00 74.97
Gross profit on sales Distribution and administrative ex- penses	31. 86 16. 45	34. 75 17. 15	34. 38 18. 01	31. 11 21. 05	25. 03 28. 25
Net profit on salesOther income (net)	15. 41 1. 96 . 19	17. 60 1. 95 . 18	. 16. 37 2. 46 . 16	10.06 2.67 .12	1 3. 20 3. 01 . 15
Net profit applicable to total investmentLess interest on borrowed funds	17. 56 . 40	19. 73 . 45	18. 99 . 57	12.85 .89	1. 04 1. 33
Net profit applicable to stock- holders' investment Less Federal income tax	17. 16 2. 73	19. 28 2. 80	18. 42 2. 44	11. 96 1. 59	¹ 1. 41 . 32
Net profit after Federal income tax	14. 43	16. 48	15. 98	10.37	1 1. 73
Year	1932	1933	1934	1935	1936
Number of companies	71	71 \$154, 547, 894	. 72 \$244, 104, 192	71 \$404, 324, 631	70 \$521, 070, 464
iver saids an companies combined	\$140. 000, 071	,,			
Net sales Cost of goods sold	Cents 100.00 85.68	Cents 100.00 79.53	Cents 100.00 71.34	Cents 100.00 69.11	
Net salesCost of goods sold	Cents 100.00	Cents 100.00	Cents 100.00	Cents 100.00	100. C0 68. 11
Net sales.	Cents 100, 00 85, 68	Cents 100.00 79.53	Cents 100.00 71.34	Cents 100.00 69.11	Cents 100. C0 68. 11 31. 89
Net sales. Cost of goods sold. Gross profit on sales. Distribution and administrative ex-	Cents 100.00 85.68	Cents 100.00 79.53	Cents 100.00 71.34 28.66	Cents 100.00 69.11 30.89	100. C0 68. 11 31. 89
Net sales. Cost of goods sold	Cents 100.00 85.68 14.32 41.10	Cents 100.00 79.53 20.47 33.15	Cents 100,00 71,34 28,66 24,36 4,30 4,45	Cents 100, 00 69, 11 30, 89 17, 84 13, 05 3, 67	100. C0 68. 11 31. 89 15. 72 16. 17 2. 49
Net sales Cost of goods sold Gross profit on sales Distribution and administrative expenses Net profit on sales Other income (net) Net income from outside investments. Net profit applicable to total investment.	Cents 100.00 85.68 14.32 41.10 126.78 4.58 .30	Cents 100.00 79.53 20.47 33.15 112.68 4.74 .40	Cents 100.00 71.34 28.66 24.36 4.30 4.45 .38	Cents 100. 00 69. 11 30. 89 17. 84 13. 05 3. 67 . 32	100. CC 68. 11 31. 89 15. 72 16. 17 2. 48 . 17

¹ Denotes loss.

There were important differences in the ratios of costs, expenses, and profits to net sales as between the long-line companies as a group and the short-line companies as a group. In order to make a comparison that is indicative of the farmmachinery business, it was necessray to limit the information to those companies for which a segregation could be made of the farm-machinery business from the total business insofar as possible. The information, however, includes the motor-truck and binder-twine businesses of International Harvester Co. which could not be segregated without an undue amount of work. Therefore, while the ratios in the preceding table are based on the total business of the companies, the comparisons in the following table are limited to the domestic farm-machinery business,

subject to the above qualification. Table 5, which follows, shows for each of the years 1927 to 1936, inclusive, the net sales and income and expenses per dollar of net sales applicable only to the farm-nachinery business of all companies combined for which the information was available, and the segregation of the information according to long-line companies as a group and to short-line companies as a group.

Table 5.—Costs, expenses, and profits or losses per dollar of net sales, applicable to the farm-machinery business 1 of long-line and short-line farm-machinery manufacturers for which the information was available, 1927-36

Year	1927	1928	1929	1930	1931
Number of companies, long-line and short- line combined Net sales, total amount	\$296, 652, 379	\$353, 347, 781			
Net sales. Cost of goods sold.	Cents 100,00 68,83	Cents 100.00 66.42			
Gross profit on sales	31. 17 16. 47	33. 58 16. 48	33. 42 17. 60		
Net profit on sales Other income (net) from the business	14. 70 1. 92	17. 10 1. 93	15, 82 2, 65	9. 08 3. 41	2 4. 60 4. 4
Net profit applicable to farm-ma- chinery business ¹	16. 62	19. 03	18. 47	12. 49	2. 2
Net sales, total amount	\$272, 020, 967	\$324, 122, 600	\$426, 913, 551	\$336, 528, 653	\$181, 392, 323
Net salesCost of goods sold	Cents 100.00 68. 43	Cents 100.00 66.18	Cents 100.00 66.24	Cents 100.00 68.43	Cents 100.00 73.57
Gross profit on sales Distribution and administrative expenses	31. 57 15. 84	33. 82 15. 81	33. 76 17. 18	31. 57 21. 66	26. 43 30. 11
Net profit on salesOther income (net) from the business	15. 73 2. 00	18. 01 2. 00	16. 58 2. 77	9. 91 3. 53	² 3. 68 4. 67
Net profit applicable to farm-ma- chinery business ¹ . Number of companies, short-line manufac- turers combined	17. 73	20. 01	19. 35	54	. 99
Net sales, total amount	\$24, 631, 412 Cents	\$29, 225, 181 Cents	\$30, 220, 958 Cents	\$24, 401, 296 Cents	\$14, 982, 613 Cents
Net sales Cost of goods sold	100. 00 73. 26	100.00 69.14	100. 00 71. 44	100. 00 74. 96	100. 00 79. 83
Gross profit on sales Distribution and administrative expenses	26. 74 23. 51	30. 86 23. 86	28. 56 23. 59	25. 04 27. 28	20. 17 36. 75
Net profit on sales Other income (net) from the business	3. 23 1. 11	7. 00 1. 07	4. 97 1. 15	² 2. 24 1. 72	² 16 58 1.84
Net profit applicable to farm-ma- chinery business	4. 34	8. 07	6. 12	2. 52	³ 14. 74
Year	1932	1933	1934	1935	1936
Number of companies, long-line and short line combined Net sales, total amount	63	\$94, 020, 391	64 \$159, 651, 416	63 \$279, 621, 787	62 \$347, 927, 901
Net sales Cost of goods solds	Cents 100. 00 88. 11	Cents 100. 00 82. 16	Cents 100. 00 71. 92	Cents 100. 00 69. 85	Cents 100. 00 68. 28
Gross profit on sales Distribution and administrative expenses	11.89 46.43		28. 08 25. 41	30. 15 17. 66	31. 72 15. 60
Net profit on salesOther income (net) from the business	2 34. 54 5. 00		2. 67 4. 96	12. 49 4. 09	16. 12 2. 91
Net profit applicable to farm-machin- ery business 1		2 12. 65	7. 63	16. 58	19. 03
t Includes the materials and hinder to in			-1 TT		

Includes the motortruck and binder-twine business of International Harvester Co.

2 Denotes loss.

Table 5.—Costs, expenses, and profits or losses per dollar of net sales, applicable to the furm-machinery business of long-line and short-line farm-machinery manufacturers for which the information was available, 1927-36—Continued

Year	1932	1933	1934	1935	1936
Number of companies, long-line manufac- turers combined Net sales, total amount	7 \$78, 945, 748	7 \$85, 399, 141	7 \$146, 664, 523	\$261, 774, 439	7 \$324, 863, 322
Net salesCost of goods sold	Cents 100.00 86.50	Cents 100.00 81.72			
Gross profit on sales Distribution and administrative expenses	13. 50 47. 15				
Net profit on salesOther income (net) from the business	² 33. 65 5. 19				
Net profit applicable to farm-machin- ery business ¹ Number of companies, short line manufac- turers combined Net sales, total amount	² 28. 46 56 \$8, 324, 749	56		56	55
Net salesCost of goods sold	Cents 100. 00 103. 37				
Gross profit on sales	² 3. 37 39. 55				27. 23
Net profit on salesOther income (net) from the business	² 42. 92 3. 17	² 16. 58 3. 54		7. 02 1. 42	
Net profit applicable to farm-machin- ery business	2 39. 75	² 13. 04	:. 60	8.44	9. 77

¹ Includes the motortruck and binder-twine business of International Harvester Co.

² Denotes loss.

The largest proportion of the farm machinery manufactured in the United States is sold in the United States. During 5 years between 1928 and 1936, inclusive, the smallest proportion of the total farm machinery and repair parts of domestic manufacture sold in the United States for any one of the long-line farm-machinery manufacturers was 66.35 percent, while the highest was 92.13 percent. Thus it can be seen that the maximum proportion sold in foreign countries for any one company was 33.65 percent. The proportions of the net sales of farm machinery and repair parts of domestic manufacture sold in the United States, Canada and other foreign countries, by the principal long-line manufacturers, are shown in the following tabulation:

ŧ	Proportion	of farm-mac sales	hinery and r in—	epair parts
Company	United States	Canada	Other foreign countries	Total
International Harvester Co. Deere & Co. Allis-Chalimers Manufacturing Co. J. I. Case Co. Oliver Farm Equipment Co. Minneapolls-Moline Power Implement Co. The Massey-Harris Co. B. F. Avery & Sons Co.	Percent 1 84. 98 1 90. 21 2 92. 13 1 72. 85 3 86. 42 4 84. 42 1 66. 35 5 71. 40	Percent 2, 73 4, 33 1, 32 7, 05 6, 26 6, 09 17, 14 . 02	Percent 12, 29 5, 46 6, 55 20, 10 7, 32 9, 49 16, 51 28, 58	Percent 100 100 100 100 100 100 100 100 100 10

For years 1929, 1932, 1933, 1935, and 1936.
 For years 1932 to 1936, inclusive, based on only part of the sales of the tractor and implement line.

<sup>For years 1932, 1933, 1935, and 1936.
For years 1930, 1932, 1933, 1935, and 1936.
For years 1928, 1931, 1935, and 1936.</sup>

The proportion of sales by International Harvester Co. in the United States, Canada, and other foreign countries is based on its sales of farm machinery and repair parts of domestic manufacture only. As indicated previously, the company owns important foreign subsidiary companies that manufacture and distribute farm machinery in foreign countries, but the sales of these foreign companies were not included in arriving at the percentages shown in the tabulation.

A rather substantial proportion of the total sales of farm machinery and repair parts by all companies is accounted for by the sales of repair parts. For instance, during the years 1929, 1932, 1933, 1935, and 1936, the total sales in the United States of implements and tractors by International Harvester Co. amounted to \$328,942,858 while the sales in the United States only of implement and tractor repair parts for that period amounted to \$74,460,441. The net sales for Decre & Co. in the United States for the same 5 years included \$29,865,688 of farm implements and \$4,983,680 of repair parts. The ratio of sales of repair parts to sales of new farm implements by these two companies was perhaps larger than for other farm-machinery manufacturers, for the reason that these two companies have been in business a longer time than most of the other companies and therefore have a larger proportion of implements and machines in use than the other companies, some of which have only recently begun to manufacture farm implements and machines. Also, the ratio of sales of repair parts to farm implements would vary for different companies for the reason that only some of the companies manufacture tractors which require more parts replacement. However, the sales of repair parts constituted an important part of the sales of farm-machinery manufacturers and were generally larger in relation to their farm-machinery sales during the depression years.

The profits on sales of repair parts were higher than on sales of new farm implements. For it stance, the net profit on the \$74,460,441 of repair part sales by International Harvester Co. was equal to \$16,521,972, which represented 22.19 percent of the sales, while on the new implements and tractors the percentage of profit to net sales was only 6.73 percent. For Deere & Co. the net profit on the sales of \$4,983,680 of repair parts was \$1,058,316, which equaled 21.24 percent on the net sales of repair parts, while on the sales of new farm implements the net profit was equal to 18.13 percent of the net sales. It was also found that the gross margins of profit of retail farm-machinery dealers was higher on sales of repair parts than on sales of new farm implements and machines. The fact that the margins of profit on the repair parts were higher for both the farm-machinery manufacturers and the retail dealers perhaps accounts for the numerous complaints by farmers that the prices of repair parts for farm machines are particularly high

INTERNATIONAL HARVESTER CO.

Information concerning investments and earnings of the group of International Harvester companies is presented herein for the years 1913 to 1927, irclusive. Such information for International Harvester Co. of New Jersey and International Harvester Corporation, which were merged in 1918, has been combined for the years 1913 to 1918, in order to be comparable with the information for the subsequent years.

International Harvester Co. was organized in 1902 as a consolidation of McCormick Harvesting Machine Co., Deering Harvester Co., Plano Manufacturing Co., Warder, Bushnell & Glessner Co., and Milwaukee Harvester Co. Combined operations of these companies accounted for about 90 percent of the grain binders and 80 percent of mowers built in the United States at the time of the consolidation. It appears that the primary purpose of the consolidation was to

eliminate keen competition and obtain larger profits.

At the time of the consolidation, International Harvester Co. was strictly a short-line company, but from that time it has steadily lengthened its line so that it now manufactures many types and sizes of farm tillage implements, seeding and planting machines, cultivators, harvesting machines, farm hauling equipment and farm-power-developing machines. It also manufactures motor trucks and tractors of many types and sizes for both farm and industrial purposes. It developed as a full line company through the acquisition of additional competing and noncompeting companies, and the conversion of its own plants, or construction of new plants, to manufacture other lines. By these means the company strengthened its monopoly position with respect to harvesting machines and lengthened its line of other farm implements and machines.

From the standpoint of size, in terms of capital invested, and volume of sales, International Harvester Co. dominates the farm-machinery industry. In 1936, its farm machinery sales of domestic manufacture, including motor trucks and binder twine, were equivalent to approximately 53 percent of the combined farm-machinery sales for all companies included in this discussion. If the company's sales of motortrucks and binder twine are not included, since it is the only one of the reporting companies who manufacture these products, and since a considerable portion of the sales of motortrucks are for industrial use primarily, its sales for 1936 would still be equivalent to over 41 percent of the combined farm machine sales of these companies.

The company's investments for the year 1936, devoted to the United States farm machinery, motortruck and twine business, exceeded 55 percent of the combined investments of all companies, including International, for which infor-

mation is presented herein.

At present, International Harvester Co. has 15 manufacturing plants in the United States, 3 in Canada, 3 in France, 2 in Germany, 2 in Sweden, and in 1937 it announced that a plant was to be built in Australia. The company sells its products through its transfer houses and motortruck sales and service stations in 157 cities of the United States. In addition, the company owned or controlled

108 retail stores in various parts of the country in 1937.

Rates of return have been computed on the investment applicable to the entire operations, domestic and foreign, and on the investment applicable to only the United States farm-machinery, motortruck, and binder-twine business. Table 6 which follows, summarizes the investments, profits, and rates of return for the years 1913 to 1937, inclusive, on three bases, namely, the total investment, the investment of all classes of stockholders combined, and the investment of common stockholders only. The information concerning investments and profits for International Harvester Co. of New Jersey and International Harvester Corporation, which were merged in 1918, has been combined for the years 1913 to 1918, in order to be comparable with the information for the subsequent years.

As nearly as can be determined, the investments represent the actual amounts invested in assets. The assets were appreciated \$17,958,873 at the time of the company's formation in 1902, but it appears that this appreciation has since

been written off.

The total investment consists of the capital stocks outstanding, surplus reserves, reserves for Federal income and profits taxes, and all borrowed funds except trade notes. The stockholders' investment consists of these same items, except borrowed funds. The common stockholders' investment, or common stock equity, consists of the common stock outstanding, surplus, surplus reserves,

and reserves for Federal income and profits taxes.

The profits applicable to the total investment represent the net income from all sources before deducting interest on borrowed funds and provisions for Federal income and profits taxes. The profits applicable to the stockholders' investment represent the net income after deducting interest on borrowed funds, but before deducting provisions for Federal income and profits taxes. The profits applicable to the stockholders' investment, less the dividends accrued to the preferred stockholders, represent the profits used in computing the rates of return on the common stock equity.

TARLE-6.—Summary of investments, profits and rates of return for International Harvester Co. and subsidiaries, 1913-37

I ARER OF THE BUILDING	Danting of the common project	and by by and							
		Investments 1		Pro	Profits 2 applicable to-	-00	R	Rates of return	
Year	Total	Stockholders	Common-stock equity	Total invest- ment	Stockholders' investment	Common-stock equity	Total investment	Stock- holders' investment	Common- stock equity
			1			3	Percent	Percent	Percent
1913	\$209, 115, 243	\$173, 559, 023 183, 361, 177	\$113, 559, 023 123, 361, 177	\$22, 896, 850 18, 483, 928	\$19, 563, 368 14, 889, 758	\$15, 363, 368 10, 689, 758	7.74	8. 12	8.67
1915.	01,	845,	845,	913,	17, 448, 928	248	2.58 2.58	19.24	10.28
1916	254,	30,2	302,	23,0	40, 190, 998	900	17.15	18.68	23. 20
1918	353,	029	029,	309	44, 503, 441	303,	17.86	18.70	22.64
1919	313,	313,	313, 196	255	19, 655, 771	405, 042,	0.32	11.13	12.52
1920	28,5	528,	414,	42	5, 242, 099	026	2.26	2.26	09.
1922	986	986	762,	38	3, 898, 737	316,	1.74	1.74	3.19
1923	223	529	30.5 273,5	327,	15, 177, 287	15, 097, 016	20.00	8 6 8 6 8 6 8 6	9.21
1925	129,	119,	499,	132,	33, 132, 785	69	14.03	14.03	16 49
1926	95,	195,	072,	683	40, 289, 214	3,30	15.85	15.85	18.80
1927	\$55 86 86	043,	646,	115,	44, 423, 999 57, 915, 405	22,5	14. 41	17.03	14. 33
1929	55	93,	982,	797,	65, 611, 406	171,	17. 20	17.40	19.99
1930	208	178,	569,	589,	34, 943, 442	298,	8.62	00 00 00 00 00 00 00 00 00 00 00 00 00	3 1 84
1931	,69	362.	322,	955,	3 8, 955, 016	82,5	12.51	3 2, 51	3 5. 33
1933	88	086,	214,	155,	1, 155, 320	563,	.34	. 34	8 1. 77
1934	152,	452,	770,	084,	20, 084, 870	367,	6.01	10.01	5.68
1935	110,	110,	438,	970	43, 026, 366	227	12, 40	12, 40	14.00
1936	9,0	500,	238,	48, 051, 085	48, 051, 055	34,	13.18	13.18	14.97
TOOL	5	3					-		
Annual average	289, 022, 701	279, 148, 017	214, 700, 339	. 27, 804, 235	27, 238, 227	22, 478, 134	9.62	9. 76	10, 47

1 Average of investments at beginning and end of year, except for borrowed money, which was averaged monthly in some years. The Before Federal income and profits taxes.
3 Denotes loss.
4 Il months only, due to change in fiscal-year basis.
4 Il months only, due to change in fiscal-year basis.

The profits shown in table 6 differ materially from the profits reported by the company in its published annual reports, being considerably larger in most years than the amounts reported by the company. This resulted from a reclassification of income and expenses by segregating and classifying as surplus certain items not directly related to the results of the yearly operations from the manufacture and sale of farm machinery and other products. These items included capital gains and losses, revaluations of securities and other assets, provisions for inventory and other reserves, and many other charges and credits. Also, as previously explained, the profits shown in the table were computed before the deduction for Federal income and profits taxes, since such taxes are not operating expenses but are contingent upon profits and represent a division of the earnings of the business.

The adjustments of profits referred to above were made for the years 1913–18 and for the years 1927–36 on the basis of field examinations of the company's books and records by examiners of the Federal Trade Commission in its studies

of the farm machinery industry.2

The adjustments for the intervening years and for the year 1937 were based on information submitted by the company in answer to a questionnaire. The accounting techniques in this questionnaire were closely defined and prescribed in order to obtain comparability and uniformity of the data throughout. However, a field examination might have revealed the necessity for further adjustments, the probable effect of which would have been to increase the profits shown in the table for the years covered by the questionnaire.

The table shows that for the 25-year period, 1913 to 1937, inclusive, the annual average rates of return were 9.62 percent on the total investment, 9.76 percent on the stockholders' investment, and 10.47 percent on the common-stock equity.

From 1913 to 1918, inclusive, the annual average rate of return on the total investment was 12.34 percent; for the years 1919-26 it was 8.74 percent; for the years 1927-36 it was 8.76 percent; for 1937 it was 13.18 percent; and for all years it was 9.62 percent. It will be noted the average ratio of return for the years 1919-26 and 1927-36 were approximately the same. However, if the operating results for three of the depression years, namely, 1931, 1932, and 1933 are eliminated from the comparisons, the average return for seven of the years 1927-36 would be 12.85 percent. It is significant that this return is slightly higher than the average return of 12.34 percent during the years 1913-18, and only slightly under the return of 13.18 percent for the year 1937.

Table 7, which follows, summarizes the investments, profits, and rates of return applicable to only the investment in the United States farm machinery, motortruck, and twine business. The details from which the table was prepared were obtained by the Federal Trade Commission's accountants from the company's records at its offices and are available for only the years 1927 to 1936, inclusive.

The investment in the United States farm machinery, motortruck, and twine business represents the total investment of the United States group of companies from which was deducted the investments in marketable securities, in foreign subsidiaries, in the steel and lumber operations, and all other investments not directly concerned with the manufacture and sale of farm machinery, motortruck, and binder twine. The profits used in computing the rates of return represent the net income to the company from its United States operations, excluding income from such outside investments and before deducting interest on borrowings and provisions for Federal income and profits taxes.

² See reports of the Federal Trade Commission on the Causes of High Prices of Farm Implements and on the agricultural implement and machinery industry.

Table 7.—Summary of investments, profits, and rates of return on the United States farm machinery, motortruck, and binder twine business of International Harvester Co., 1927-36

Year	Average investment (beginning and end of year)	Profits 1	Rates of return	Year	Average investment (beginning and end of year)	Profits 1	Rates of return
1927	\$201, 253, 551 214, 969, 732 247, 826, 393 269, 186, 426 230, 084, 071 202, 619, 093 187, 531, 877	\$30, 243, 253 42, 432, 318 51, 100, 456 28, 318, 636 4, 049, 812 2 7, 958, 234 2 487, 124	Percent 15. 03 19. 74 20. 62 10. 52 1. 76 23. 93 2. 26	1934 1935 1936 Annual average	\$190, 585, 911 211, 177, 831 240, 160, 842 219, 539, 572	\$14, 538, 139 32, 438, 555 3 41, 728, 564 23, 640, 338	Percent 7. 63 15. 36 3 15. 93 10. 61

Before Federal income taxes. 2 Denotes loss. 311 months only due to change in fiscal year closings.

Table 7 shows that the investment in the United States farm machinery, motortruck, and twine business averaged \$219,539,573 for the 10 years 1927-36. During the same period the annual average of the total investment applicable to the The average of the investment average of the total investment appricable to the entire operations of the company, both domestic and foreign, was \$357,805,583. The average of the investment in the United States farm machinery, motor-truck, and twine business was 61 percent of the total investment.

During the 10-year period, an average rate of 10.61 percent was earned on the

investment in the United States farm machinery, motortruck, and twine business, as compared with 8.76 percent on the total investment in the company's entire operations, domestic and foreign. From this comparison it is concluded that the company realized a larger profit on the investment in the United States farm machinery, motortruck, and twine business than on the investments in any of the

other fields of the company's operations combined.

The following table 8 is presented as a further indication of the profitableness of the company's operations as a whole. The table summarizes for each of the years 1913 to 1937, inclusive, the total net sales, the net income from all operations after providing for all the costs and expenses of doing business, including Federal income and profits taxes and all other taxes, the dividends paid, and surplus at the end of each year.

Table 8.—Summary of net sales, net income, dividends paid, and surplus for International Harvester Co. and subsidiaries, 1913-37

				Dividen	ds paid		Surplus
Year	Net sales	Net income	Cash, pre- ferred	Cash, com- mon	Stock, common	Total	end of year
1912 1913 1914 1915 1916 1917 1918 1919 1920 1922 1922 1923 1924 1925 1928 1927 1928 1929 1929 1930 1931 1933 1931 1933 1933 1933 1934 1935	110, 923, 865 108, 991, 839 120, 951, 072 161, 455, 830 133, 604, 481, 295 216, 649, 643 115, 965, 079 126, 562, 618 151, 288, 113 159, 140, 463 202, 963, 567 237, 408, 162 254, 163, 917 282, 286, 979 322, 907, 292 268, 058, 488 160, 215, 774 89, 460, 873 133, 953, 981 211, 448, 382 217, 1448, 382 217, 120, 999	\$19, 366, 020 14, 812, 147 17, 150, 187 24, 610, 887 32, 715, 583, 27, 807, 431 12, 155, 771 22, 682, 955 5, 242, 099 3, 908, 737 16, 577, 580 33, 289, 214 36, 841, 663 48, 787, 070 56, 291, 179 29, 999, 199 12, 183, 794 1, 100, 062 15, 072, 169 37, 387, 225 240, 918, 276 36, 726, 763	4, 200, 000 4, 200, 000 4, 215, 673 4, 215, 673 4, 215, 673 4, 230, 564 4, 383, 636 4, 558, 339 4, 792, 085 5, 099, 173 5, 442, 615 5, 735, 947 5, 727, 895 5, 717, 304 5, 705, 516 6, 287, 816 6, 277, 816	\$4,000,000 3,000,000 2,000,000 2,000,000 2,800,000 4,800,000 5,750,000 5,112,786 4,93,835 4,993,835 5,992,602 6,294,630 7,651,231 11,023,044 11,022,963 6,318,983 2,523,041 2,546,304 11,992,766 11,992,766	. !	6, 200, 000 6, 200, 000 7, 000, 000 8, 000, 000 9, 000, 000 19, 950, 000 12, 973, 873 12, 865, 883 11, 167, 876 9, 224, 399 9, 357, 471 10, 550, 941 17, 159, 219 16, 669, 167 16, 758, 910 16, 669, 167 16, 758, 910 12, 046, 878 8, 244, 040 8, 864, 824 16, 280, 567 22, 698, 087	\$31, 586, 544 38, 457, 323 42, 983, 149 47, 459, 585 54, 041, 745 61, 051, 338 68, 036, 663 71, 641, 252 68, 348, 793 59, 526, 173 52, 201, 488 51, 307, 627 55, 129, 042 51, 307, 627 55, 129, 042 51, 307, 627 55, 198, 107 50, 107 50, 108
Tota!	4,630,842,896	564, 109, 599	118. 990, 049	149, 621, 548	29, 758, 924	298, 370, 521	

Table 8 shows that the company's net sales of all products, both domestic and foreign, amounted to \$4,630,842,896 for the 25 years, 1913 to 1937, inclusive. The average annual sales for this period amount to \$185,233,716. It will be noted that the net sales of \$341,497,226 in 1937 were the largest of any year during the period.

The table shows that during the 25-year period dividend payments aggregated \$298,370,521, of which \$118,990,049 was paid in cash on the preferred stock at the rate of 7 percent per annum, \$149,621,548 was paid in cash on the common stock at varying rates, and \$29,758,924 in common stock was paid on the common

stock.

After the payment of dividends there remained \$265,739,078 of net income. This increase in surplus, however, was offset by net charges during the period of \$222,537,521. Of this amount, \$136,251,474 was represented principally by large amounts appropriated from surplus from time to time for reserves to provide for possible shrinkage in inventory values, for maintenance and depreciation on plant and equipment in addition to the amounts provided for out of income, for doubtful accounts receivable, contingency reserves, etc. The remainder, \$38,286,-047, is made up of two items, one for \$22,148,277 representing bonuses or additional compensation paid to the managerial group of employees during each of the years 1927-30 and 1936, and the other for \$66,137,770 representing the transfer in 1928 of that amount from surplus to the capital-stock account, when the company's outstanding common stock was changed from shares of the par value of \$100 per share to shares without par value. In this exchange, four shares of no-par-value common was issued for each old share.

It will be noted that the surplus at the end of 1912 was \$31,586,544, and \$74,788,101 at the end of 1937. The increase of \$43,201,557, together with \$29,758,924 of stock dividends during the period, and \$66,137,770 of surplus transferred to capital stock as described above, account for at least \$139,098,251

of earnings reinvested in the business.

The difference between the net sales and net income for the years as shown in the preceding table is accounted for principally by the cost of goods manufactured and sold and the distribution and administrative expenses. The following table 9 shows the total net sales of all products by the company during the years 1927 to 1937, inclusive, and the per dollar of net sales of income, expenses, and profits. The ratios show the trend during the period of costs and expenses and their relation to sales, and the effect of the variations on profits.

Table 9.—Summary of income and expenses per dollar of net sales for International Harvester Co. and subsidiaries, 1927–37

	1927	1928	1929	1930	1931 .	1932
Net sales, total amount.	\$254, 163, 917	\$282, 286, 979	\$322, 907, 292	\$268, 058, 488	\$160, 215, 750	\$82, 778, 774
Net sales	Cents 100.00 69.71	Cents 100.00 65.64	Cents 100.00 65.13	Cents 100.00 69.58	Cents 100. 00 75. 84	Cents 100.00 80.10
Gross profit on sales Distribution and admin-	30. 29	34, 36	34.87	. 12	24, 16	19, 90
istrative expenses	14.94	16.16	17.47	20.08	26.38	35. 00
Net profit on sales Other income (net)	15, 35 2, 09	18. 20 2. 16	17, 40 2, 91	10.34 2.86	1 2. 22 2. 18	¹ 15. 10 3. 56
Net income from outside	17.44	20.36	20. 31	13. 20	2, 04	1 11. 54
investments	.09	.16	. 07	.07	.15	73
Net profit appli- eable to total in- vestment	17. 53	20. 52	20.38	13. 27	.11	³ 10. 81
•	.04		.06	. 24		
Net profit appliea- ble to stockhold- er's investment. Provision for Federal in-	17.49	20. 52	20, 32	13 03	. 11	² 10. 8 1
come and profits taxes	2, 99	3, 23	2.89	1.84	. 25	. 22
Net income	14.50	17. 29	17. 43	11.19	2,14	111.03

³ Denotes loss.

Table 9.—Summary of income and expenses per dollar of net sales for International Harvester Co. and subsidiaries, 1927-37.—Continued

	1933	1934	1935	1936	1937
Net sales, total amount	\$89, 460, 873	\$133, 953, 981	\$211, 448, 382	1 \$247, 612, 099	\$341, 497, 226
N. 4	Cents	Cents	Cents	Cents	Cents
Net sales Cost of goods sold	100.00 76,43	100, 00 69, 96	100.00 69.74	100, 00 69, 53	100.0
Gross profit on sales Distribution and administrative ex-	23. 57	30,04	30, 26	30.47	27. 6
репяез	27. 78	21.35	15. 77	14.12	15. 1
Net profit on salesOther income (net)	2 4. 21 4. 71	8. 69 5, 60	14.49 5.46	16, 35 3, 51	12. 4 1. 4
Total Net income from outside investments.	. 50 . 79	14. 29 . 71	19. 95 . 39	19.86 .18	13. 9
Net profit applicable to total investment Interest on borrowed money	1. 29	: 15.00	20.34	20.04	14.0
Net profit applicable to stock- holder's investment	1. 29	15. 00	20.34	20,04	14.0
Provision for Federal income and profits taxes	.06	3.74	2.68	3.51	3.3
Net income	1.23	11. 26	17.66	16. 53	10.7

¹¹¹ months only due to change in fiscal-year basis.

The net sales shown in table 9 for the years 1927 to 1937, inclusive, aggregate \$2,394,383,761, and represent the domestic and foreign sales of all of the company's products. During the years 1927 to 1936, inclusive, the net sales applicable to the United States farm machinery, motortruck, and twine business aggregated \$1,593,801,486, an average of \$159,380,149 per annum. The domestic sales of farm implements, motortrucks, and binder twine represented 77.6 percent of the entire sales of the company, which averaged \$205,288,654 for the years 1927 to 1936, inclusive.

The following table 10 is presented to indicate the relative importance of each class of sales comprising the domestic farm machinery, motor truck, and binder-twine business, and their relative profitableness. The table shows the net sales and margins of profits for each of the years 1929, 1932, 1933, 1935, and 1936.

Table 10.—Net sales and margins of profits applicable to various classes of sales applicable to the United States farm machinery, motortruck and binder twine business of International Harvester Co. for the years 1929, 1932, 1933, 1935, and 1936

	Implements and tractors	Implement and tractor replace- ment parts	Motor- trucks and parts	Twine	Collateral products	Total
Net sales: 1929 1932 1933 1935 1936 1. Total. Percent gross profit to net sales: 1929 1932 1933 1936 Average Net profit to net sales: 1929 1929 1932 1939 1939 1939 1939 1939 1939 1939 1933 1935 1936	\$121, 138, 203 15, 652, 512 16, 836, 52 79, 965, 861 95, 349, 761 328, 942, 858 Percent 32, 69 2 12, 04 4, 04 28, 13 29, 06 26, 94 13, 42 2 69, 21 2 40, 82 12, 09 14, 59	\$16, 687, 452 9, 594, 780 10, 404, 691 19, 183, 938 18, 589, 580 74, 400, 441 Percent 42, 43 36, 56 32, 89 41, 84 40, 32 28, 84 2, 66 4, 51 30, 17 29, 68	\$48, 620, 139 22, 463, 285 20, 431, 528 46, 961, 452 59, 484, 879 197, 961, 283 Percent 30, 68 30, 61 26, 36 28, 34 29, 13 8, 77 1, 76 5, 87 9, 88 14, 79	\$9, 901, 346 4, 417, 598 2, 907, 230 5, 118, 120 3, 615, 548 25, 959, 842 Percent 20, 09 34, 83 34, 20 30, 71 23, 62 26, 76 14, 55 25, 66 25, 36 18, 99 14, 26	\$4, 482, 533 1, 226, 859 1, 738, 765 3, 559, 863 4, 072, 097 15, 080, 128 Percent 7, 37 2 1, 93 2, 19 06 88* 2, 54	\$200, 829, 673 53, 355, 034 52, 318, 746 154, 789, 234 181, 111, 865 642, 404, 552 Percent 18, 80 21, 77 28, 73 29, 23 28, 51 13, 49 219, 08 28, 47 13, 61 15, 89
Average	6, 73	22, 19	9.35	18.49	2, 54	9. 70

¹ Sales for 1936 are for 11 months only due to change in fiscal year basis.

² Denotes loss.

Table 10 shows that gross margins of profit of 39.66 percent resulted form the sales of replacement parts for implements and tractors, 29.13 percent from the sales of motortrucks and parts, 26.94 percent from the sales of implements and tractors, 26.76 percent from the sale of twine, and 2.54 percent from the sale of collateral products. The net profit on sales followed a slightly different trend in that the average for the five years was 22.19 percent for implement and tractor replacement part sales, 18.49 percent for twine, 9.35 percent for motortrucks and parts, and 6.73 percent for implements and tractors. It will be observed that the sales of implements and tractors declined from approximately \$121,000,000 in 1929 to a low of \$15,600,000 in 1932. The decline was much more pronounced in implements and tractors than in any other line of products. In 1932 and 1933 the sales of motortrucks and parts exceeded the sale of farm implements and tractors.

DEERE & Co.

This company was founded in 1837 by John Deere at Grand Detour, Ill., who developed a plow that would successfully scour in the heavy Illinois prairie soil. Production of this plow was begun by a partnership of John Deere and Maj. Leonard Andrus under the name Grand Detour Plow Co. In 1847 John Deere withdrew from the partnership and started in business in Moline, Ill., under the name Deere & Tate and later Deere, Tate & Gould Co. The other partners withdrew from the business and John Deere continued the plow business alone, beginning in 1852. The business expanded into the manufacture of tillage implements as well as plows and the business was incorporated as Deere & Co. in 1868. Branch houses were established at strategic points for distributing the products which were manufactured by the company, and additional farm implements which were purchased. By 1893 it appears the number and types of implements manufactured were such that the company might be described as a long-line concern.

Through an expansion program which began in 1911 Deere & Co. acquired, through exchanges of stock, a number of other companies and expanded its own plants until the company became the second largest manufacturer of farm implements and machines in the United States, which position it still holds. The principal companies acquired since that time were Syracuse Chilled Plow Co., Syracuse, N. Y., manufacturers of chilled plows, Van Brunt Manufacturing Co., Ottumws, Iowa, and Welland, Ontario, manufacturers of haying machinery, Waterloo Gasoline Engine Co., Waterloo, Iowa, manufacturers of tractors and gasoline engines, Killefer Manufacturing Co., Los Angeles, Calif., manufacturers of heavy tillage tools and road machinery, and the potato machinery business of Hoover Manufacturing Co., Avery, Ohio. Deere & Co. is a combined manufacturing and holding company owning or controlling 10 factories in the United States and 1 in Canada. It has an extensive branch house distribution system with each branch house separately incorporated. In 1936 there were 54 branches of which 41 were located in the United States and 13 were located in Canada. The company also has over 100 company-owned retail stores.

The profitableness of this company's operations is indicated in table 11, which follows. This table summarizes the investments, profits, and rates of return for the company for each of the years 1913 to 1937, inclusive, on four bases of investment, namely, the total investment, the investment of all classes of stockholders combined, the investment of the common stockholders only, and the investment

in the farm-machinery business.

The total investment consists of the capital stock outstanding, surplus reserves, reserves for Federal income and profits taxes, and borrowed funds. The investment of all stockholders consists of these same items, except borrowed funds. The common stockholders' investment for common stock equity consists of the common stock outstanding, surplus, surplus reserves, and reserves for Federal income and profits taxes. The investment in the farm-machinery business consists of the total investment, less investments in securities of other companies

and property not used in the farm-machinery business.

The net profits applicable to each basis of investment are before deductions for provisions for Federal income and profits taxes. Subject to this qualification, the profits applicable to the total investment represent the net income from all sources before deducting interest on borrowed funds; the profits applicable to the stockholders' investment represent the net income after deducting interest on borrowed funds; the profits applicable to the common-stock equity represent the net income to all stockholders, less dividends accruing to the preferred stockholders; and the profits applicable to the investment in the farm-machinery business represent the net income, excluding income from outside investments, and before deducting interest on borrowed funds.

At the time of the acquisition of other companies in 1910, appreciation of \$17,904,400 was recorded in the company's accounts as trade names, trade-marks, patents, and good will. This amount represented the excess in value assigned to common stock issued for properties in excess of their historical cost. The appreciation was written off against surplus in 1929. The amount of appreciation has been deducted from the investments in computing the rates of return shown in the following table.

Table 11.—Summary of investments, profits and rates of return for Deere & Co. and subsidiaries, 1913-37

suosia	iaries, 1913-	-37		
		Invest	ments 1	
Year	Total	Stockholders	Common- stock equity	Farm- machinery business
1913 1914 1915 1916 1916 1917 1918 1919 1919 1920 1921 1922 1923 1923 1924 1925 1926 1927 1929 1930 1931 1931 1932 1932 1933 1933 1934 1935 1937 Annual average	\$52, 627, 597 57, 224, 278 59, 634, 379 55, 733, 194 49, 760, 772 49, 236, 833 53, 627, 525 56, 486, 185 57, 696, 939 56, 155, 750 52, 992, 308 51, 385, 116 48, 397, 286 49, 222, 396 60, 661, 542 76, 999, 777 88, 786, 366 89, 115, 473 81, 481, 288 69, 900, 857 66, 652, 933 73, 778, 788 86, 720, 188 87, 252, 291	\$43, 006, 166 44, 605, 182 43, 955, 539 44, 723, 799 46, 015, 537 48, 195, 133 53, 249, 275 56, 305, 435 52, 925, 403 43, 738, 420 43, 249, 298 44, 806, 786 49, 222, 396 53, 761, 073 58, 858, 209 69, 974, 777 80, 153, 033 81, 019, 640 74, 789, 621 68, 242, 524 68, 242, 524 65, 599, 600 60, 015, 455 78, 490, 605 83, 327, 291 57, 759, 024	\$5, 177, 666 6, 776, 682 6, 127, 039 6, 895, 299 10, 037, 007 13, 195, 133 18, 555, 775 22, 132, 485 19, 362, 203 13, 168, 943 9, 992, 170 9, 837, 448 1, 909, 986 16, 343, 146 17, 626, 273 27, 460, 159 38, 576, 677 48, 754, 983 49, 826, 640 38, 213, 478, 963 37, 326, 151 34, 708, 006 38, 111, 599 47, 574, 496 52, 411, 172	\$50, 279, 253 54, 543, 449 56, 960, 394 52, 870, 138 46, 989, 041 46, 319, 600 51, 314, 867 56, 894, 591 73, 309, 751 85, 325, 094 85, 791, 794 78, 141, 028 66, 254, 048 62, 643, 503 69, 309, 891 81, 946, 661
	1	7. 0. 0		
		Profits 2 app	olicable to—	
Year	Total invest- ment	Stockholders' investment	Common- stock equity	Farm- machinery business
1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1925 1926 1927 1928 1929 1929 1930 1930 1940 1950 1971 1982 1983 1983 1983 1983 1983 1983 1983	9, 134, 916 12, 008, 427 15, 651, 710 22, 273, 320 14, 161, 170 655, 541 3 5, 758, 936 4, 400, 169 1, 148, 295 10, 831, 438 19, 650, 227 21, 730, 827	\$4, 244, 869 2, 155, 135 3, 633, 397 5, 438, 063 7, 582, 616 8, 058, 425 10, 311, 430 6, 887, 088 3, 2, 676, 961 3, 2, 520, 779 1, 789, 209 1, 853, 838 5, 270, 188 9, 134, 916 11, 941, 023 15, 566, 173 21, 835, 721 13, 740, 906 347, 604, 402 1, 119, 437 10, 744, 679 19, 525, 391 21, 504, 386	\$1,596,874 \$492,800 985,402 2,790,608 5,064,161 5,608,425 7,861,430 4,437,088 \$5,126,961 \$4,871,130 \$4,871,130 \$4,871,130 \$4,871,130 \$6,624,683,368 9,691,587 13,368,309 19,637,854 11,543,041 11,543,042,955 8,581,042,975 8,581,042,975 8,581,042,975	\$5, 328, 463 3, 462, 718 4, 747, 078 6, 428, 115 8, 399, 285 9, 607, 008 11, 873, 671 15, 550, 816 22, 147, 841 14, 031, 933 612, 107 \$5, 719, 460 983, 258 10, 363, 957 19, 256, 428
Annual average	7, 042, 561	6, 678, 798	4. 335, 647	7, 664, 439

Table 11.—Summary of investments, profits and rates of return for Deere & Co. and subsidiaries, 1913-37.—Continued

		Rates o	f return	
Year	Total invest- ment	Stockholders' investment	Common- stock equity	Farm- machinery business
1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1923 1924 1925 1926 1927 1928 1929 1930 1931 1930 1931 1932 1933 1930 1931 1932 1933	Percent 9. 65 5. 63 7. 41 10. 61 15. 94 17. 76 19. 25 12. 21 3. 3. 74 4. 79 10. 89 18. 56 21. 80 25. 80 28. 93 15. 95 . 74 3 7. 07 3 6. 29 1. 72 14. 68 22. 66 24. 91	Percent 9. 87 4. 83 8. 27 12. 16 16. 48 16. 72 19. 36 12. 23 3 5. 06 3 5. 39 4. 09 4. 29 11. 76 18. 56 22. 21 26. 46 31. 21 17. 14 43 8. 10 3 6. 54 1. 71 15. 57 24. 88 25. 91	Percent 30. 84 \$7. 27 16. 08 40. 46 50. 45 42. 50 42. 50 42. 37 20. 05 \$26. 48 \$36. 99 \$5. 73 \$4. 91 24. 92 41. 81 44. 81 48. 68 50. 91 23. 68 \$1. 69 \$18. 76 \$17. 75 \$3. 30 22. 52 36. 49 36. 90	Percent 10. 60 6. 35 8. 33 12. 16 17. 87 20. 74 23. 14 27. 33 30. 21 16. 45 71 27. 33 3 6. 70 1. 57 14. 95 23. 50
Annual average	11. 10	11. 56	17. 78	12.04

¹ Investments were averaged at the beginning and end of year, except borrowed money which was generally averaged monthly. The appreciation was deducted from the investments.

The net profits were before deduction of Federal income and profits taxes.

3 Denotes loss.

Table 11 shows that the annual average rates of return for the 25 years, 1913 to 1937, inclusive, were 11.10 percent on the total investment, 11.56 percent on the stockholders' investment, 17.78 percent on the common stock equity, and

12.04 percent on the investment in the farm-machinery business.

From 1913 to 1918, inclusive, the annual average return on the total investment amounted to 10.89 percent; for the years 1919–26 it was 7.70 percent; for the years 1927–36 it was 11.51 percent; and for 1937 it was 24.9 percent. It will be noted that particularly high rates of return were earned during the years 1927 through 1929 and for the years 1936 and 1937, also that the annual average rate for the years 1927–36, despite the adverse results for the depression years, was higher than the annual average rate for the years 1913–18.

Table 12 which follows, summarizes for each of the years 1913 to 1937, inclusive, the total net sales, the net income after providing for all of the costs and expenses of doing business, including Federal income and profits taxes and all

other taxes, the dividends paid, and surplus at the end of each year.

Table 12 shows that the company's net sales aggregated \$992,818,891 for the 25 years, 1913-37. It will be noted that the net sales for 1937 were considerably larger than for any other year during the period. The sales consisted almost entirely of farm implements and machines and replacement parts since the company's operations were devoted almost entirely to the manufacture of these

products.

Regular quarterly cash dividends were paid on the 7 percent preferred stock from 1913 to September 1, 1921; from December 1, 1921, to December 1, 1924, only 3 percent was paid annually; on March 2, 1925, a dividend of 1 percent was paid; during 1925, 1926, and 1927 the regular dividends and the dividends in arrears were also paid; from March 1, 1928, to March 1, 1932, regular dividends were paid on the preferred stock while irregular dividends were paid thereafter so that in 1935 the dividends were considerably in arrears, but during 1936 and 1937 the full dividends had been paid together with the arrears so that, in effect, for the entire period from 1913 to 1937, inclusive, dividends equivalent to the regular amounts were paid on the preferred stock.

Throughout the 25-year period, dividends were paid on the common stock only during 5 years, namely, 1928 to 1931, inclusive, and during 1937. The total cash dividends paid on the common stock during these 5 years was \$6,000,619. This compares with a cash dividend on the preferred stock for the period aggregating \$59,064,885. During 1930, 1931, and 1937 the company recorded stock dividends on the common stock aggregating \$11,139,267. These stock dividends, of course, merely represent transfers to the capital stock account from the surplus account.

After the payment of dividends there remained a balance of net income amounting to \$59,375,573, of which amount \$14,380,174 represented a net increase in the surplus account during the period. The remainder, amounting to \$44,995,399, represented net charges to surplus for various purposes, including appreciation of \$17,904,400 which was written off in 1929 and substantial amounts appropriated from time to time for reserves to provide for doubtful accounts receivable, for possible shrinkage in inventory values, for depreciation on plant and equipment, in addition to the amounts provided for out of income and for other contingencies.

Table 12.—Summary of net sales, net income, dividends, and surplus for Deere & Co. and subsidiaries, 1913 to 1937, inclusive

	Net Sales	Net income	Ca	,			Surplusat
				isn	Common	Total	end of year
			Preferred	Common	stock	10081	
912 913 914 915 916 916 917 918 919 919 920 921 922 923 924 925 927 928 929 929 929 929 929 929 929	29, 278, 913 25, 461, 158 26, 443, 876 31, 497, 631 39, 949, 174 50, 822, 885 58, 987, 583 21, 833, 719 20, 261, 586 28, 610, 517 27, 311, 804 38, 258, 199 46, 236, 589 46, 236, 589 47, 587, 259 58, 624, 190 47, 587, 259 58, 624, 190 47, 587, 259 58, 641, 297 7, 730, 798 8, 127, 833 20, 330, 731 47, 203, 077 66, 010, 814 97, 103, 723	\$4, 179, 906 2, 077, 686 3, 534, 232 5, 235, 634 7, 045, 706 5, 742, 992 5, 257, 177 4, 647, 717 1, 789, 209 1, 853, 838 4, 514, 566 7, 662, 850 10, 442, 253 13, 777, 751 19, 202, 081 12, 373, 527 188, 476 112, 373, 527 188, 476 19, 035, 635 16, 931, 004 14, 460, 402 901, 514 90, 55, 635 16, 951, 004 14, 905, 635 16, 951, 004 14, 936, 476	\$2, 647, 995 2, 647, 995 2, 647, 995 2, 647, 995 2, 647, 995 2, 518, 455 2, 450, 000 2, 450, 000 1, 035, 000 1, 03	\$1, 100, 394 1, 135, 038 1, 160, 276 602, 003	\$863, 725 296, 462 9, 979, 080 11, 139, 267	2, 647, 995 2, 518, 455 2, 450, 000 2, 450, 000 2, 450, 000 1, 312, 500 1, 050, 000 1, 035, 000 2, 712, 500 5, 276, 250	\$4, 470, 698 5, 926, 925 5, 364, 008 5, 946, 935 7, 434, 035 9, 847, 605 12, 232, 593 112, 032, 593 112, 034, 686 8, 201, 407 8, 940, 616 9, 759, 454 12, 294, 020 18, 204, 070 19, 076, 118 25, 069, 792 19, 077, 415 20, 289, 254 14, 114, 650 9, 469, 341 9, 344, 076 13, 784, 528 21, 632, 634 18, 850, 872

¹ Denotes loss.

The net increase in surplus during the period of \$14,380,174 together with \$11,139,267 of stock dividends account for at least \$25,519,441 of earnings reinvested in the business.

The difference between the net sales and the net income for each year shown in the preceding table is accounted for principally by the cost of goods manufactured and sold and the distribution and administrative expenses. In order to indicate the relative importance of costs and expenses in relation to sales, table 13 which follows, is presented. This table shows for each of the years 1927 to 1937, inclusive, the total net sales and the income and expenses per dollar of net sales. The ratios show the trend during the period of costs and expenses in relation to sales and the effect of the variations on profits.

Table 13.—Summary of income and expenses per dollar of net sales for Deere & Co. and subsidiaries, 1927 to 1937, inclusive

	1927	1928	1929	1930	1931	1932
Net sales—total amounts	\$47, 587, 25	9 \$58, 624, 19	90 \$74, 505, 6	52 \$61, 641, 29	\$25, 944, 27	\$7, 730, 79
Net sales	Cents 100. 0 58. 3					
Gross profit on sales Distribution and administra- tive expenses	41.6				1	
Net profit on salesOther income (net)	24. 2	2 25. 5	5 28.8		9 11.4) 1 86. 7
Net profit applicable to farm machinery busi- ness. Net income from outside in- vestments	24. 9			73 22.7		
Net profit applicable to total investment Interest on borrowed money	25. 2					
Net profit applicable to stockholders' invest- ment. Provision for Federal income and profits taxes.	25. 09 3. 14			-	,	
Net profit after Federal income tax	21. 9-	23. 5	0 25.7	77 20.0	7 . 73	1 78. 3
		1933	1934	1935	1936	1937
Net sales—total amounts		\$8, 127, 833	\$20, 330, 731	\$47, 203, 077	\$66, 010, 814	\$97, 103, 72
Net sales Cost of goods sold		Cents 100.00 85.55	Cents 100. 00 63. 76	Cents 100.00 59.40	Cents 100.00 56.10	Cents 100. 0 60. 7
Gross profit on sales Distribution and administrative e	expenses	14. 45 75. 99	36. 24 36. 13	40.60 21.43	43. 90 17. 64	39. 20. 13
Net profit on sales		1 61. 54 6. 89	. 11 4. 73	19. 17 2. 79	26. 26 2. 91	19. 18 2. 8
Net profit applicable to for chinery business Net income from outside investm		1 54. 65 . 51	4. 84	21. 96	29. 17	21. 97
Net profit applicable to tot mentnterest on borrowed money		1 54. 14 . 74	5. 65 . 14	22. 95 . 19	29. 77 . 19	22, 38
Net profit applicable to st er's investment Provision for Federal income an		1 54. 88	5. 51 1. 07	22. 76 3. 58	29. 58 3. 90	22. 38
taxes						

¹ Denotes loss.

It will be observed from the preceding table that the cost of goods sold ranged from 58.33 cents in 1928 to 100.88 cents per dollar of net sales in 1932. The distribution and administrative expenses, including provisions for bad debts, range from 14.30 cents in 1929 to 85.86 cents per dollar of net sales in 1932. The ranges in the annual net profit were from high figures of 25.77 in 1929 and 25.68 cents per dollar of net sales in 1936, to a low figure which was a loss occurring in 1932 of 78.33 cents per dollar of net sales.

All of the foregoing discussion relates to the company's entire business which includes for some years a comparatively small amount of manufacturing in Canada for the Canadian trade. Of the farm implements and repair parts manufactured in the United States, during the 5 years, 1929, 1932, 1933, 1935, and 1936 a very large proportion were sold in the United States — To be more specific, 89.98 percent were sold in the United States, 4.44 percent were sold in Canada and 5.58 percent were sold in other foreign countries. In general, the company exports even a smaller proportion of its farm implements and repair parts than is indicated because of large sales of tractors and farm implements to the Russian Government in 1929 which did not recur in other years.

Repair parts accounted for 14.26 percent of the total sales in the United States. It is of interest to note that the ratio of net profit to sales of repair parts averaged 21.24 percent while the net profit on new farm implements and machines averaged

18.13 percent during the 5 years

ALLIS-CHALMERS MANUFACTURING CO.

Prior to 1927 Allis-Chalmers Manufacturing Co. was engaged principally in the manufacture of a diversified line of power, electrical, and industrial machinery. Beginning in 1927, or about that time, the company began to develop its business in the farm-implement and machinery field. This development was effected through the expansion of existing plants and by the purchase of properties of other

farm-implement manufacturers.

The company was incorporated under the name of Allis-Chalmers Co. in 1901 as a consolidation of a number of companies manufacturing heavy industrial machinery. In 1913 it was reorganized under the name of Allis-Chalmers Manufacturing Co. The only products manufactured for farm use during the early years were gasoline engines, begun in 1903, and farm tractors, which were first made in 1915. The need for other products to sell with its engines and tractors caused the company to begin expanding in the farm-implement and machinery line. The acquisition, early in 1928, of Monarch Tractor Co. and La Crosse Plow Co. added horse-drawn as well as tractor-drawn plows and tillage implements to the company's line. In 1931, the company acquired the Advance-Rumely Co., makers of threshers and combines, and in 1932 it acquired the Birdsell Manufacturing Co., makers of clover hullers. It provided itself with a distributing organization for its growing line of farm machinery by continuing the operations of an extensive selling organization acquired as part of the Advance-Rumely Co. In 1932 it also purchased the distribution business and property owned by B. F. Avery & Sons Co., Inc., in Argentina.

In 1927 the company's sales of farm implements and machines and allied prod-

ucts amounted to only 7.7 percent of its total sales, but by 1936 they amounted to over 58 percent of the total. For the 10 years, 1927-36, the company's farm-machinery sales averaged 34.75 percent of the total sales for those years.

The following table 14 summarizes the investments, profits, and rates of return for Allis-Chalmers Manufacturing Co. for each of the years 1927 to 1937, inclusive. The company did not segregate its assets between those used for the farm-machinery business and those used for other manufactured products. For this reason, the Commission's examiners were unable to establish the amount of investment applicable to the farm-machinery business. The information submitted in the table is, therefore, limited to the total investment and the stockholders' investment in the entire business.

The stockholders' investment consists of the outstanding capital stocks, surplus, surplus reserves, and reserve for Federal income and profits taxes. The total investment comprised the same items plus borrowed funds. The profits used to compute the rates of return on the total investment represent the net income to the company from all sources before deducting interest on borrowings and provision for Federal income and profits taxes. The profits used to compute rates of return on the stockholders' investment represent the net profits after deducting interest on borrowings and before deducting Federal income and profits taxes.

Intangible values for goodwill and patents were deducted from the investments in computing rates of return primarily because there was a lack of evidence that the book value represented a cash or equivalent cost. A value for goodwill and patents was first set up on the books in 1913. The original value was subsequently adjusted by certain deductions for sales of goodwill and patents and certain additions for purchases. The annual expenditures incurred in taking out new patents were charged off to current operations. No provision was made for amortization of the remainder of the amount for goodwill and patents. The amounts deducted from each basis of investment averaged \$12,334,087 for the 11 years, 1927 to 1937, inclusive.

Table 14.—Summary of investments, profits, and rates of return for Allis-Chalmers

Manufacturing Co., 1927-37

	Total investment	Stock- holders' investment		Total investment	Stoek- holders' investment
Average investments: 1	\$48, 374, 805	\$38, 754, 805	Profits—Continued	² \$2, 240, 476	² \$1,002,906
1928 1929	44, 254, 485 46, 992, 322	29, 784, 485 32, 247, 045	1935 1936	3, 251, 464 6, 399, 263	2, 477, 176 5, 879, 113
1930 1931 1932		37, 892, 075 42, 372, 065 42, 175, 092	Annual average	3, 396, 212	2,697,706
1933	53, 102, 343 51, 788, 973	39, 439, 729 38, 024, 030	Rates of return:	Percent	Percent 9, 53
1935 1936 1937	53, 625, 215 58, 132, 617 79, 539, 034	39, 193, 169 45, 770, 812 59, 406, 567	1928 1929	9.39	11. 21 15. 07
Annual average	54, 634, 752	40, 459, 989	1930 1931 1932	3.98	10. 77 3. 37 2 7. 01
Profits:	4, 175, 224	3, 693, 724	1933	. 23.97	2 7. 34 2 2. 64
1928 1929	4, 155, 910	3, 339, 910 4, 860, 888	1935	6.06	6. 32 12. 84
1930	1, 906, 109 2, 260, 387	4, 079, 609 1, 428, 431	1937		18, 13
1932 1933		² 2, 955, 043 ² 2, 893, 906	Annual average	6. 22	6. 67

1 Average investments at beginning and and of year.

² Denotes loss.

Table 14 shows that the annual average rates of return or the 11 years, 1927-37, were 6.22 percent on the total investment and 6.67 percent on the stockholders' investment. The trend in earnings was upward from 1927 through 1929 and downward thereafter until 1933. It will be noted that there was marked improvement in the following years with the result that the rates of return for 1937 on each basis of investment were higher than in any previous year during the period under review.

The net income to the company after providing for all costs and expenses of doing business, including Federal income and all other taxes, aggregated \$22,-222,974 for the 11 years, 1927–37, inclusive. During this period, the company paid out a total of \$20,680,488 in dividends. The net increase in surplus was, therefore, \$1,542,486. However, net charges to surplus during this period of \$4,342,409 operated to reduce the company's surplus from \$15,155,141 at the beginning of 1927 to \$12,355,218 at the end of 1937. The charges to surplus other than dividends are accounted for principally to premiums of \$1,650,000 paid in connection with the retirement of preferred stock in 1927 and to the appropriation of \$2,000,000 for reserves for contingencies and receivables in 1932.

Table 15 which follows gives the amounts of net sales and the income and expenses per dollar of net sales for each of the years 1927-37, inclusive. The ratios show the trend during these years of costs and expenses in relation to sales and the effect of the variations on profits.

Table 15.—Summary of income and expenses per dollar of net sales for Allis-Chalmers Manufacturings Co., 1927-37.

Net sales, total amounts \$30, 593, 711 \$33, 495, 732 \$45, 274, 134 \$41, 404, 656 \$27, 323, 845 \$14, 32 \$100.00 \$100.00 \$77. 68 \$76. 97 \$77. 51 \$75. 93 \$79. 48 \$1. \$20 \$20. 52							
Net sales		1927	1928	1929	1930	1931	1932
Net sales	Net sales, total amounts	\$30, 593, 711	\$33, 495, 732	\$45, 274, 134	\$41, 464, 656	\$27, 323, 845	\$14, 328, 776
Distribution and administrative expenses. 12.52 12.78 11.41 13.69 17.31	Net salesCost of goods sold	100.00	• 100.00	100.00	100,00	100.00	Cents 100, 00 87, 68
Net profit on sales	Distribution and administra-						12. 32 32, 04
Net profit applicable to total investment	Net profit on sales	9. 80	10, 25	11.08	10.38	3. 21	1 19. 72 4. 10
Net profit applicable to total investment	Total Income from outside invest-				1	1	1 15. 62
Total investment	ments	. 77	, 38	. 22	. 19	. 36	, 39
Stockholders' invest-ment	total investment					8. 26 3. 04	¹ 15, 23 5, 39
Net income	stockholders' invest- ment	12.07	9, 97	10. 74	9. 85	5. 22	1 20. 62
Net income		1, 53	1. 21	1.17	1. 15	. 63	
Net sales, total amounts \$13,016,819 \$19,749,551 \$38,259,894 \$57,993,350 \$87,350	•						1 20. 62
Net sales, total amounts \$13,016,819 \$19,749,551 \$38,259,894 \$57,993,350 \$87,350					1	1	
Net sales			1933	,1934	1935	1936	1937
Net sales	Net sales, total amounts		\$13,016,819	\$19,749,551	\$38, 259, 894	\$57, 993, 350	\$87, 353, 616
Distribution and administrative expenses 32.50 24.61 17.57 16.28	Net salesCost of goods sold		100.00	100.00	100.00	100,00	Cents 100.00 73.49
Other income (net)	Gross profit on sales Distribution and administrativ	e expenses					26. 51 14. 98
Net profit applicable to total investments	Net profit on sales Other income (net)						11. 53 1. 12
The near to borrowed money	Total					12. 65	
investment	ment						12.65 .32
	investment		1 22, 23				12. 33
Net income 1.22, 23 1.5, 26 5, 18 6, 92			1.00.00				3.44
	Net income		1 22, 23	. 1 5, 26	5. 18	6, 92	8.89

¹ Denotes loss.

The company's sales aggregated \$408,854,084 for the 11 years 1927-37. As previously indicated, the company's sales comprise two lines of products, namely, the farm-implement and tractor line, and the general line; the latter comprises electrical equipment, mining machinery, industrial equipment, and machinery and equipment not usable for agricultural purposes. Some indication has already been given of the proportion of farm-machinery sales to the total sales of the company. The following tabulation compares the results to the company from the farm implement and tractor business, and the results from all other manufacturing activities for the 10-year period.

Percentages of total sales of the farm implement and tractor line, and of the general line, and margins of profit on each class of sales

	Farm imp	lement and t	ractor line	General line		
Year	Percentage of total sales	Percentage of gross profit on sales	Percentage of net profit on sales	Percentage of total sales	Percentage of gross profit on sales	Percentage of net profit on sales
1927 1928 1929 1930 1931 1931 1932 1933 1934 1934 1935	7. 70 14. 89 23. 60 29. 98 22. 75 43. 64 39. 59 45. 43 54. 69 58. 16	21, 28 28, 13 16, 51 19, 87 21, 62 27, 13 15, 06 24, 03 28, 98 28, 10	3, 76 16, 51 5, 14 5, 80 14, 15 111, 14 127, 74 17, 88 9, 98 11, 04	92, 30 85, 11 76, 40 70, 02 77, 25 56, 36 60, 41 54, 57 45, 31 41, 84	22. 41 22. 13 24. 33 25. 87 20. 20 . 85 8. 92 16. 42 18. 94 22. 96	10. 31 9. 16 12. 91 12. 33 5. 39 1 26. 36 1 16. 83 1 2. 11 3. 10 7. 76
Average	34.75	24.76	4.39	65, 25	21.08	6. 41

¹ Denotes loss.

It will be noted that the sales comprising the farm implement and tractor line averaged 34.75 percent of total sales, for the 10-year period, and the sales of all other manufactured products averaged 65.25 percent of the total. It will also be noted that a higher average gross profit was earned on the farm implement and tractor sales than was earned on the sales of other products during the period, but the reverse was true with regard to net profit. However, in 1935 and 1936, net profits of 9.98 and 11.04 percent, respectively, were earned on farm implement and tractor sales, as compared with 3.10 and 7.76 percent, respectively, from sales of all other manufactured products. Sales of the farm implement and tractor line comprised 54.69 and 58.16 percent, respectively, of the total sales in 1935 and 1936, and the sales of all other manufactured products amounted to 45.31 and 41.84 percent, respectively, in those years; yet, in 1935 79.53 and in 1936 66.44 percent of the total net profit on sales was realized from sales of the farm implement and tractor line.

The following table 16 shows the net sales and margins of profits applicable to the different classes of products applicable to the farm implement and tractor division for the years 1930, 1932, 1933, 1935, and 1936. The table shows that farm implements and machinery comprised the bulk of the company's sales in those years and that the gross profit and net profit on sales of replacement parts, which averaged 46.18 and 23.61 percent, respectively, exceeded the profit on any

other class of product.

Table 16.—Net sales and margins of profits applicable to the farm implement and tractor division of Allis-Chalmers Manufacturing Co., for the years 1930, 1932, 1933, 1935, and 1936

	New farm implements and machinery	Replace- ment parts	Second- hand machinery	New road machinery	Total
Net sales: 1930. 1932. 1933. 1935. 1936. Total. Percent of gross profit to net sales:	\$10. 780, 324 4, 270, 607 2, 891, 046 16, 806, 952 28, 555, 982 63, 304, 911 Percent	\$1, 626, 136 1, 265, 038 1, 326, 256 2, 445, 856 2, 884, 308 9, 547, 594 Percent	\$26, 240 309, 903 437, 220 416, 077 307, 188 1, 496, 628	\$407, 935 498, 237 1, 257, 319 1, 981, 828 4, 145, 319 Percent	\$12, 432, 700 6, 253, 483 5, 152, 759 20, 926, 204 33, 729, 306 78, 494, 452
1930. 1932. 1933. 1935.	15. 67 2. 17 10. 91 26. 52 26. 68	47. 47 46. 75 38. 77 46. 75 48. 12	32. 41 47. 53 1, 59 51. 82 45. 47	7.81 1 9.34 19.79 16.80	19. 87 27. 13 15. 06 28. 98 28. 10
Average Percent of net profit to net sales: 1930. 1932. 1933. 1935. 1936.	1.46 1.6.93 1.32.20 7.45 9.58	34, 40 9, 70 1 2, 32 28, 24 31, 63	33. 68 18. 83 10. 50 45. 58 33. 45 28. 92	13. 68 1 31. 54 1 53. 91 . 53 1. 59	5, 80 111, 14 127, 74 9, 98 11, 04
Average	3.94	23, 61	4. 42	1 9. 71	5, 61

¹ Denotes loss.

J. I. CASE Co.

The present J. I. Case Co. was founded in 1842 by Jerome I. Case, as the J. I. Case Threshing Machine Co., and was incorporated in 1880. The name of the latter company was changed to the present title on June 1, 1929. The company's business comprises the manufacture and sale of threshers, combines, tractors, grain binders, corn binders, corn pickers, tractor plows, manure spreaders, and many other implements used on the farm.

In 1919 the company acquired the Grand Detour Plow Co., and in 1928 purchased the implement plant and business of Emerson-Brantingham Corporation, of Rockford, Ill., and the rights of J. I. Case Plow Works to the use of the name "Case" and "J. I. Case" on plows, harrows, and certain other tools. In February 1937 the company purchased the properties of Rock Island Plow Co.

Like International and Deere, this company early set up its own branch house distribution for domestic trade. In 1937 it sold its products through 53 directly owned branches, 42 of which were in the United States, 6 in Canada, and 5 in South America.

Table 17, which follows, summarizes the investments, profits, and rates of return for the company for each of the years 1927 to 1937, inclusive. Rates of return have been computed on three bases of investment, namely, the total investment, the stockholders' investment, and the investment in the farm-machinery business. Insofar as could be determined, the investments on each of the three bases reflect the actual investment in assets. The profits used in computing the rates of return are before deduction of Federal income tax.

Table 17.—Summary of investments, profits, and rates of return for J. I. Case Co., 1927-37

	Total invest- ment	Stockholders' investment	Investment in farm- machinery business
verage investments;1	\$32, 754, 521	\$31, 821, 188	\$32, 531, 94
1928	35, 561, 467	34, 143, 364	35, 418, 13
1929	47, 845, 392	40, 535, 434	47, 718, 17
1930	51, 291, 541	46, 100, 708	51, 118, 08
1931	48, 390, 254	44, 806, 921	48, 159, 73
	43, 243, 602	41, 774, 852	43, 016, 62
1932	40, 784, 544	40, 338, 711	40, 562, 26
1933	40, 784, 844	40, 032, 988	39, 826, 36
1934		40, 932, 540	40, 742, 66
1935	40, 932, 540		42, 564, 26
1936	42, 748, 335	42, 748, 335	42, 004, 20
1937	39, 684, 556	39, 684, 556	
Annual average	42, 115, 431	40, 265, 418	42, 165, 82
rofits:			
1927	5, 620, 211	5, 574, 622	5, 621, 07
1928	6, 210, 203	6, 141, 833	6, 211, 44
1929	4, 404, 034	3, 952, 528	4, 407, 7
1930	3, 451, 421	3, 239, 091	3, 455, 0
	80, 714	4 40, 618	86, 0
1931	2 2, 111, 719	2 2, 174, 112	² 2, 100, 78
1932	2 1, 447, 928	2 1, 463, 724	2 1, 439, 99
1933	208, 664	1 208, 564	205, 3
1934	2, 872, 618	2, 872, 618	2, 873, 3
1935			
1936	3, 996, 800	3, 996, 800	4, 002, 8
1937	3 5, 825, 574	8 5, 825, 574	
Annual average	2, 608, 479	2, 521, 177	2, 291, 1
	734	D	Donound
ates of return:	Percent	Percent	Percent
1927	17. 16	17 52	17.
1928	17.46	17. 99	. 17.
1929.	9. 20	9, 75	9.
1930.	6. 73	7, 93	6,
1931		4.05	
1932	2 1.88	² 5. 20	2.4.
1933	2 3, 55	* 3. 63	2.3.
1934	3, 52	2, 52	2.
1935	7.02	7.02	7.
1936	9.35	9.35	9.
1937	3 14 68	3 14.68	
			5.

¹ Average investments at beginning and end of year except for borrowed money which was averaged monthly.

¹ Denotes loss.

3 10 months only due to change from calendar to fiscal year basis.

Table 17 shows that the annual average rates of return for the 11-year period were 6.19 percent on the total investment, 6.26 percent on the stockholders' investment, and 5.43 percent on the investment in the farm machinery business. Rates of return on each basis of investment were highest in 1927 and 1928 and lowest in 1932. The trend was downward between 1928 and 1932 and upward thereafter. Also, while losses were sustained in 1932, 1933, and 1934, they were progressively smaller, and marked recovery is indicated in the following 3 years when profits were again earned. Rates of return were higher in 1937 than in any year since 1928. The improvement in 1936 and 1937 is particularly significant in view of the loss of business sustained by the company because of the shutdown of the Racine plants during the latter part of October and during the months of November and December 1936, and January and part of February 1937, on account of a strike.

The following tabulation shows the investment, profits and rates of return for J. I. Case Threshing Machine Co. for each of the years 1919 to 1926, inclusive, before the present company's business was further expanded as a long-line company by the acquisition of the business of Emerson-Brantingham Corporation and the development and introduction of a new line of improved tractors.

Year	Total invest- ment 1	Net profits be- fore Federal taxes	Percent rate of return
1919	\$29, 567, 032 29, 483, 875 28, 124, 783 26, 525, 509 26, 235, 267 26, 050, 864 26, 498, 243 27, 580, 065	\$3, 736, 324 3, 917, 995 2 583, 431 321, 270 634, 633 147, 711 3, 468, 673 4, 717, 429 2, 045, 075	12. 64 13. 29 2 2. 07 1. 21 2. 42 . 57 13. 09 17. 10

¹ Average of investment at beginning and end of year.

As shown above, the rate of return on the total investment of the J. I. Case Threshing Machine Co. averaged 7.43 percent for the years 1919-26. It will be noted that this average return for this period was only slightly higher than the average return of 6.19 percent for the years 1927-37.

The rate of return on the total investment for the years 1919 to 1937, inclusive,

averaged 6.59 percent.

Table 18 which follows, summarizes the net sales, net income, dividends paid, and surplus for the years 1919 to 1937, inclusive.

Table 18.—Summary of net sales, net income, dividends paid, and surplus for J. I. Case Co.¹, 1919-37

Year 18	32, 707, 838 35, 148, 109	Net income \$2,909,482	7 percent preferred \$880, 250	Common	Total	Surplus end of year
19	32, 707, 838 35, 148, 109		\$880, 250			\$6, 260, 728
21	15, 720, 716 18, 587, 952 16, 994, 159 22, 302, 155 26, 356, 765 22, 130, 546 25, 542, 696 27, 646, 234 24, 786, 691 13, 017, 524 4, 455, 256 4, 611, 848 8, 586, 233 17, 036, 934 21, 905, 648 30, 072, 945	2, 926, 963, 358, 431, 321, 270, 634, 633, 431, 47, 711, 2, 793, 673, 817, 429, 4, 574, 622, 5, 991, 823, 3, 252, 528, 23, 91, 463, 724, 32, 247, 618, 3, 296, 800, 4, 275, 574, 34, 685, 678	910, 000 910, 000 910, 000 910, 000 910, 000 11, 592, 318 734, 909 734, 954 712, 775 712, 775 712, 775 712, 775 407, 300 407, 300 407, 300 51, 629, 200 534, 581 14, 640, 790	\$581,000 2 4,770,000 742,227 752,196 859,242 1,158,128 577,020 766,745 1,150,716	910, 000 804, 909 1, 592, 318 1, 477, 136 1, 487, 150 1, 588, 686 1, 870, 903 1, 289, 795	7, 558, 962 3, 815, 962 1, 622, 491 1, 317, 373 1, 042, 002 1, 189, 718 2, 603, 593 6, 429, 100 8, 355, 618 12, 717, 99 13, 015, 451 10, 686, 181 7, 798, 821 6, 057, 576 5, 429, 588 7, 439, 03- 8, 338, 573 9, 928, 855

Known as J. I. Case Threshing Machine Co. prior to June 1, 1929.
 Includes stock dividend of \$3,900,000 paid in common stock.

² Loss.

³ Denotes loss.

Includes arrears for 1924-25. Includes arrears for 1933-35.

^{6 10} months only due to change from calendar to fiscal year basis.

Table 18 shows that the company's net sales amounted to \$384,865,447 for the 19 years 1919 to 1937, inclusive. During this period, net income, after providing for all costs and expenses of doing business, including Federal income and profits taxes, aggregating \$34,685,678. During the same period, dividend payments amounted to \$25,998,064, so that there was a net increase in surplus of \$8,687,614. Surplus was further increased by an amount of \$3,399,312, representing the difference between the par value and proceeds from sale of common stock, and the difference between the par value and cost of preferred stock reacquired and canceled. The total increase in surplus was, therefore, \$12,086,926. During the period, charges to surplus of \$8,418,801, representing principally appropriations for reserves, accounted for a net increase in surplus between 1919 and 1937 of \$3,668,125.

Of the dividend payments of \$25,998,064, during the years 1919 to 1937, inclusive, \$14,640,790 represented cash dividends paid on preferred stock at the rate of 7 percent per annum, and \$11,357,274 represented dividends in cash and in stock on common stock. Of this latter amount, \$3,900,000 was distributed as a stock dividend on common stock in 1920. In 1919, dividends of 7 percent on common stock were paid in Liberty Loan bonds, amounts of less than \$50 being paic in cash. In addition to the stock dividend, paid in 1920, a cash dividend of 10 percent was paid on the common. No dividends on the common were paid thereafter until 1927, when 6 percent in cash was paid. Cash dividends on the common stock were paid at this rate during each of the years 1928 to 1931, inclusive. No dividends on the common were paid thereafter until 1936, when 4 percent was paid. In 1937, the cash dividends on common stock were paid at the rate of 6 percent.

The difference between the net sales and net income for the year, as shown in the preceding table, is accounted for principally by the cost of goods manu-

factured and sold and the distribution and administrative expenses.

The following table 19 shows the ratio per dollar of net sales, of cost of goods sold, gross profit on the sales, distribution and administrative expenses, and net profits. These ratios are given for each of the years 1927 to 1937, inclusive, and show the trend during that period of costs and expenses in relation to sales, and their effect on profits.

Table 19.—Summary of income and expenses per dollar of net sales for J. I. Case Co., 1 1927–37

	1927	1928	1929	1930	1931	1932
Net sales—total amounts	\$22, 130, 546	\$25, 542, 696	\$27, 646, 234	\$24, 786, 691	\$13, 017, 524	\$4, 455, 256
Net salesCost of goods sold	Cents 100.00 54.05	Cents 100.00 53.55	Cents 100, 00 59, 39	Cents 100. 00 60. 46	Cents 100.00 68.22	Cents 100. 00 85. 81
Gross profit on sales Distribution and administra-	45. 95	46. 45	40.61	39. 54	31. 78	14. 19
tive expenses	23. 65	25.36	27.71	28.84	- 36. 95	78. 67
Net profit on sales Other income (net)	22. 30 3. 10	21. 09 3. 23	12. 90 3. 04	10. 70 3. 24	³ 5. 17 5. 83	³ 64. 48 17. 33
Net profit applicable to farm-machinery busi- ness. Income from outside invest- ments	25. 40	24: 32	15. 94 *. 01	13. 94 3. 01	. 66	³ 47. 15
Net profit applicable to total investment Interest on borrowed money	25. 40 . 21	24. 32 . 27	15. 93 1. 63	13. 93 . 86	. 62	³ 47. 40 1. 40
Net profit applicable to stockholders' investment Provision for Federal income and profits taxes	25. 19 4. 52	24. 05 4. 11	14. 30 2. 53	13.07	3, 18	3 48. 80
Net income	20, 67	19, 94	11, 77	10, 65	3, 18	3 48, 80

¹ Known as J. I. Case Threshing Machine Co. prior to June 1, 1929.

3 Denotes loss.

Table 19.—Summary of income and expenses per dollar of net sales for J. I. Case Co., 1927-37—Continued

	1933	1934	1935	1936	1937 ²
Net sales—total amounts	\$4, 611, 848	\$8, 586, 233	\$17, 036, 934	\$21, 905, 648	\$30, 072, 945
Net sales Cost of goods sold	Cents 100.00 75.26	Cents 100.00 63.37	Cents 100.00 57.39	Cents 100, 00 58, 47	Cents 100, 00 56, 80
Gross profit on sales. Distribution and administrative expenses.	24. 74 66. 66	36. 63 41. 98	42. 61 25. 41	41. 53 23. 10	43. 20 24. 31
Net profit on sales. Other income (net)	³ 41. 92 10. 70	³ 5. 35 2. 96	17. 20 3. 34	18. 43 3. 15	18. 89 . 47
Net profit applicable to farm-ma- chinery business Income from outside investments	³ 31. 22 ³ . 17	³ 2. 39 ³ , 04	16. 86	18. 28 3. 03	19. 36 . 01
Net profit applicable to total invest- ment	3 31. 39 . 34	3 2. 43	- 16.86	18. 25	19. 37
Net profit applicable to stockhold- ers' investment. Provision for Federal income and profits taxes.	3 31. 73	3 2. 43	16. 86 2. 49	18. 25 3. 20	19. 37 5. 15
Net income	3 31. 73	3 2.43	14 37	15. 05	14. 22

3 10 months only due to change from calendar to fiscal year basis.

3 Denotes loss.

The sales of farm implements and machines and sales of replacement parts constitute the two main classes of the company's sales. For certain years, namely 1929, 1932, 1933, 1935, and 1936 segregations were made of the sales, and it was found that for these years sales of farm implements and machines averaged 85.16 percent of the total net sales, and replacement parts averaged 14.80 percent of the total. The proportions of each class of sales to the total are as follows for each year:

Net sales

Year	Farm implements and machines	Replace- ment parts	Fotal net sales	Year .	Farm implements and machines	Replace- ment parts	Total net sales
1929 1932 1933 1935	Percent 86, 45 68, 25 69, 78 86, 33	Percent 13. 55 31. 75 30. 22 13. 67	Percent 100 100 100 100	1936 Average	Precent 89. 31	Percent 10.69	Percent 100

Of the total farm implements and machines sold during the 5 years, it was found that an average of 73.15 percent was sold in the United States, 6.63 percent in Canada, and 20.22 percent in other foreign countries. For the replacement parts an average of 71.14 percent was sold in this country, 9.45 percent in Canada, and 19.41 percent in other foreign countries.

Based upon total sales by all manufacturers in 1936, it is of interest to note that J. I. Case Co. produced and sold nearly 5½ percent of the total sales of farm implements and machines in the United States, and manufactured and sold nearly

11 percent of the total sales in the export field.

MINNEAPOLIS-MOLINE POWER IMPLEMENT Co.

This company was organized under the laws of Delaware on March 30, 1929, for the purpose of acquiring the assets, subject to the liabilities, of Minneapolis Steel & Machinery Co., organized in 1902; Minneapolis Threshing Machine Co., organized in 1887; and Moline Implement Co., organized in 1865.

Although no one of the three acquired companies manufactured a complete line of farm implements and machines, their combined operations represented a

practically complete line. Prior to the merger, each of the companies manufactured in its respective plants a partial line, which upon merger, naturally presented a situation of duplications of operations to some extent. With the merging of the three companies, the three plants were continued in operation, and through coordination, the duplication of operations was eliminated. Thus, operations of the Minneapolis plant, formerly belonging to Minneapolis Steel & Machinery Co., were limited, in general, to production of tractors and power mowers, the fabrication of structural steel, and the performance of miscellaneous mechanical contract work. The Hopkins plant, formerly belonging to the Minneapolis Threshing Machine Co., assumed the heavy line of implements, such as harvesters, threshers, grain drills, hammer mills, headers, and combines. The Moline plant, formerly belonging to the Moline lmplement Co., was devoted to the manufacture of the light line of implements.

In the merger, common and preferred stocks were issued for the net assets of the predecessor companies, to retire, or provide funds for the retirement of, the outstanding stocks and certain of the indebtedness of these companies. There appears to have been no appreciation in asset values as a result of the merger, the only change being an increase of \$162,544.82 in cash, through sale of stocks. This is indicated by the following tabulation, which comprises the stockholders'

equity before and after merger, and accounts for the increase.

After merger (new company): \$6.50 no-par-value cumulative preferred stock, 100,000 shares, assigned value	\$11, 000, 000
Total capital stockSurplus	
Stockholders' equity	
Before merger (predecessor companies); Preferred stock Common stock	3, 439, 950 6, 458, 280
Total capital stockSurplus	9, 898, 230 6, 288, 973
Stockholders' equity	
Increase	4, 777, 259
Accounted for as follows: Liquidation of current indebtedness of predecessors Retirement of other obligations of predecessors Retirement of bonds of Minneapolis Steel & Machinery Co Additional cash	1, 041, 000
Total	4, 777, 259

All of the preferred stock of the new company, and 20,000 shares of its common stock, together with 10,000 shares of common stock of Minneapolis Steel & Machinery Co., were sold for \$10,600,000. Of these proceeds, \$4,777,259.32 were used as accounted for above, \$3,439,950 were used to retire preferred stocks of predecessors, \$2,000,000 were used in part payment for assets of Moline Implement Co., and \$382,791 were used in payment of accrued dividends and premiums in retirement of preferred stocks, and expenses of merger, etc.

In addition to the 20,000 shares common stock sold for cash, the new company issued 120,000 shares common stock to Moline Implement Co., 240,000 shares of common stock to Minneapolis Threshing Machine Co., and 320,000 shares of common stock to Minneapolis Steel Machinery Co., in part payment of assets acquired. This accounts for the issue of all of the 100,000 shares of preferred stock and 700,000 shares of common stock issued by the new company at or-

ganization.

The common stocks issued to the various predecessor companies, in turn, were distributed by them to their stockholders on the basis of 4 shares for each share of outstanding common stock in the case of Moline Implement Co., 12 shares for each share of outstanding common stock of Minneapolis Threshing Machine Co., and 2 shares for each share of outstanding common stock of Minneapolis

Steel & Machinery Co. In addition, the \$2,000,000 in cash received by Moline Implement Co. in part payment of assets was distributed by that company to its stockholders on a pro rata basis in the form of a dividend.

The reduction of \$2,687,634 in surplus during the merger is accounted for as

follows:	
Difference between stated value of \$11,000,000 of preferred stock of new company and proceeds from sale	\$1, 600, 000 1, 622, 920 382, 791
Total	3, 605, 711
Less amount realized in excess of par value in sale of 10,000 shares Minneapolis Steel & Machinery Co. common stock	500, 000
mon stock of new company	418, 077
Total	918, 077
Decrease in surplus	2, 687, 634

The rates of return for Minneapolis-Moline Power Implement Co. have been computed on three bases of investments: namely, the total investment, the stockholders' investment, and the investment in the farm machinery business. The total investment consists of the capital stocks outstanding, borrowings, surplus and surplus reserves, and reserve for Federal income taxes. The same items comprise the stockholders' investment, except for borrowings; and the investment in the farm machinery business consists of the total investment, from which was deducted the investment in the company's structural steel business, abandoned properties, and securities of other companies.

The earnings used to compute the rates of return on the total investment represent the net income from all sources before deducting interest on borrowings, and before providing for Federal income taxes. To compute the rates of return on the stockholders' investment, the net income, after deducting interest, but before providing for Federal income taxes, was used. To obtain the rates of return on the investment in the farm machinery business, the net income, before including any income or losses from property not used in the business, and before deducting interest on borrowings and provisions for Federal income taxes, was

used. The following table shows for each of the years 1929 to 1937, inclusive, the investments, profits, and rates of return applicable to the total investment, the stockholders' investment, and the investment in the farm machinery business. Insofar as could be determined, the investment on each of the three bases reflects the actual investment in assets.

Table 20.—Summary of investments, profits, and rates of return for Minneapolis-Moline Power Implement Co., 1929-37

•	Total invest- ment	Stockholders' investment	Investment in farm- machinery business
A verage investments: \(\) 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937.	\$20, 744, 398 22, 001, 107 21, 204, 037 19, 168, 254 16, 077, 220 13, 746, 738 13, 433, 452 13, 830, 840	\$20, 744, 398 20, 655, 274 19, 308, 204 16, 939, 087 14, 848, 787 13, 596, 738 13, 025, 119 13, 230, 840 13, 784, 216	\$19, 249, 836 20, 593, 997 20, 023, 432 18, 167, 180 15, 172, 852 12, 845, 754 12, 449, 052 12, 848, 579 (2)
Annual average	17, 110, 029	16, 236, 974	16, 418, 835
Profits: 3 1929 1930 1931 1932 1933 1934 1935 1936 1937	1, 852, 892 512, 027 4 1, 381, 037 4 2, 145, 830 4 1, 293, 333 4 1, 043, 903 4 18, 448 708, 576 5 2, 339, 970	1, 852, 892 455, 589 4 1, 454, 657 4 2, 251, 864 4 1, 354, 418 4 1, 050, 467 4 27, 858 699, 197 4 2, 339, 970	1, 726, 248 532, 347 4 1, 258, 155 4 1, 839, 004 4 1, 128, 555 4 913, 436 69, 117 632, 068
Annual average	4 52, 121	4 87, 958	4 272, 421
Rates of return: 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936.	Percent 8.93 2.33 4.6.51 4.11.19 4.8.04 4.7.59 4.14 5.12 16.98	Percent 8. 93 2. 21 4 7. 53 4 13. 29 4 9. 12 4 7. 73 4. 21 5. 28 4 16. 98	Percent 8. 97 2. 58 4. 6. 28 4. 10. 12 4. 7. 44 4. 7. 11 5. 56 4. 92 (2)
Annual average	4. 30	4, 54	4 1. 66
	<u> </u>	<u> </u>	

i Investments averaged at beginning and end of year, except for borrowed money which was averaged Investments averaged at beginning and end of year, except for monthly.

Not available for 1937.

Before provision for Federal income and profits taxes.

Denotes loss.

In months only due to change from calendar to fiscal year basis.

Table 20 shows that for the 9 years, 1929 to 1937, inclusive, the losses exceeded the profits on each of the three bases of investment, resulting in an annual average loss of 0.3 percent on the total investment, 0.54 percent on the stockholders' investment, and 1.66 percent on the investment in the farm machinery business. The trend in earnings was steadily downward between 1929 and 1932, after which there was gradual improvement until 1936 when rates of return were

higher than in any year during the period.

The accumulated losses during the depression years accounted principally for the decline in the company's surplus from \$2,378,508, at the end of 1929, to a deficit of \$3,112,197, at the end of 1937. No dividends on the common stock were paid during this period, and full dividends on the preferred stock were paid only in the years 1929, 1930, and 1937. Partial dividends on the preferred stock were paid in 1931 and 1936, and no dividends were paid during the years 1932 to 1935, inclusive. Altogether, \$2,313,038 in dividends was paid on the preferred stock. At the end of 1937, the company was in arrears in dividends in the amount of \$3,356,250 on the preferred stock.

Both the common and preferred stocks have voting rights under certain conditions. Whenever four quarterly dividends become in arrears on the preferred stock, the entire voting power is vested in the preferred stock until such time as all dividends then in default shall thereafter be paid, after which the preferred stock shall be divested of such voting power, and it shall thereupon vest in the common

stock as before.

The company's net sales of farm implements and machines aggregated \$56,572,413 from the time of its organization in 1929 to the end of 1936, as follows:

Year:	Net Sales	Year-Continued.	Net Sales
1929	\$14, 631, 984	1934	\$3, 571, 224
1930	11, 679, 347	1935	8, 048, 362
1931			10, 419, 474
1932	2, 087, 567	_	
1933	1, 899, 626	Total	56, 572, 413

As indicated previously, Minneapolis-Moline Power Implement Co. was primarily engaged in the manufacture and sale of farm implements and machines, but was also engaged, to some extent, in fabricating and distributing structural steel, which sales are not included above. For certain years: Namely, 1930, 1932, 1933, 1935, and 1936, segregations were made of the sales, and it was found that the sales of farm implements and machines and repair parts were equal to 86.02 percent of the total sales for those years, while sales of structural steel were equal to 13.98 percent of the total sales.

Of the sales applicable to the farm machinery business, during the 5 years enumerated above, 84.81 percent represented sales of farm implements and machines, while 15.19 percent represented sales of repair parts for farm machinery. As the total volume of sales declined in 1932 and 1933, the proportion of sales of repair parts to the total was increased. The comparisons for each year are as

follows:

Net sales

Year	Farm implements and machines	Replace- ment parts	Total net sales	Year	Farm imple- ments and machines	Replace- ment parts	Total net sales
1930 1932 1933 1935	Percent 86, 70 65, 33 65, 99 86, 06	Percent 13. 30 34. 67 34. 01 13. 94	Percent 100 100 100 100 100	1936	Percent 89.05 84.81	Percent 10. 95	Percent 100

The farm implements and machines and replacement parts were sold in the United States, Canada, and other foreign countries. During the 5 years referred to, the sales of farm implements in the United States averaged 84.75 percent of all of the company's sales of farm implements and machines, and the sales of repair parts for farm machinery in the United States represented 82.55 percent of the total sales of replacement parts.

B. F. AVERY & Sons Co.

This company was incorporated in Kentucky in 1877, under the name of B. F. Avery & Sons, Inc., as a manufacturer of plows and tillage implements. It was reorganized in 1932, at which time the present company, B. F. Avery & Sons Co. B. F. Avery & Sons, Inc. About 2 years later it took over the properties of B. F. Avery & Sons, Inc. About 2 years later it took over the properties of B. F. Avery & Sons, Inc.

From 1877 to 1918 the Avery interests continued to manufacture plowing and tillage implements mainly of the type used in the South. In 1918 it acquired the Champion lines of harvesting and haying machines from International Harvester Co. Since that date it has manufactured practically a full line of farm implements and machines except that it makes no tractors or manure spreaders. Its distribution is carried on partly through 4 of its own sales branches and 12 domestic jobbers, and partly through an arrangement with the Allis-Chalmers Manufacturing Co. whereby certain implements are sold to the latter company for sale and use with Allis-Chalmers tractors in the United States and South America.

Rates of return on the investment of B. F. Avery & Sons Co. for each of the

Rates of return on the investment of B. F. Avery & Sons Co. for each of the years 1927 to 1936, inclusive, are presented in table 21 which follows. The rates of return have been computed on three bases of investment, namely, the total investment, the stockholders' investment, and the investment in the farmmachinery business. The total investment consists of the company's capital stock outstanding, surplus, surplus reserves, reserve for Federal income taxes and borrowed money. The stockholders' investment consists of the same items except borrowings. The investment in the farm-machinery business consists of the total investment less investments in real estate not used in the farm-machinery business, and some stock of another company.

The earnings used to compute the rates of return on the total investment consist of the net income from all sources before deductions for interest on borrowed money and provisions for Federal income taxes. The earnings used to compute the rates of return on the stockholders' investment consist of the net income after deductions for interest on borrowed money, but before provisions for Federal income taxes. The earnings used to compute the rates of return on the investment in the farm-machinery business consist of the net income before income from outside investments and before deductions for interest on borrowed money

and provisions for Federal income taxes.

The company's accounting records in recent years have been kept on the basis of the fiscal year ending June 30. For the purpose of presenting the information of investments, profits, and rates of return, such information for the fiscal year ending in each year was considered as of the previous calendar year. For example, information for the year ending June 30, 1937, was considered as applying to the year 1936, and so on, for each of the prior years in the series. This was done in order that the information might be comparable with similar information for other companies during those years.

Table 21.—Summary of investments, profits, and rates of return for B. F. Avery & Sons Co., 1927-36

	Total invest- ment	Stockholders' investment	Investment in farm- machinery business
Average investments: 1 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1936	\$7, 109, 003 7, 730, 309 8, 716, 288 7, 974, 035 5, 713, 301 4, 048, 500 3, 664, 854 3, 621, 277 3, 574, 194 3, 992, 031	\$5, 794, 420 6, 184, 059 6, 095, 428 5, 124, 893 3, 265, 201 1, 643, 351 1, 273, 304 1, 349, 333 1, 577, 300 2, 285, 959	\$7, 097, 503 7, 708, 059 8, 694, 788 7, 932, 535 5, 695, 301 4, 034, 000 3, 650, 354 3, 606, 777 3, 559, 694 3, 977, 981
Annual average	5, 614, 379	3, 459, 375	5, 597, 699
Profits: ² 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936	445, 161 856, 931 881, 988 933, 105 \$1, 098, 841 \$213, 620 44, 103 258, 550 291, 935 590, 235	379, 964 769, 093 223, 479 3 1, 094, 261 3 1, 281, 703 3 34, 158 6 27, 445 193, 334 243, 023 -521, 830	445, 161 856, 931 381, 988 3 933, 105 3 1, 098, 841 2 213, 620 44, 103 258, 550 291, 935 590, 235
Annual average	62, 334	3 40, 684	62, 334
Rates of return: 1927 1928 1929 1929 1930 1931 1932 1933 1934 1935 1935	Percent 6.26 11.09 4.38 3 11.70 3 19.23 3 5.28 1.20 7.14 8.17 14.79	Percent 6.56 12.44 3.67 \$ 21.35 \$ 39.25 20.33 \$ 2.16 14.32 15.41 22.83	Percent 6. 27 11. 12 4. 39 8 11. 73 3 19. 29 8 5. 30 1. 21 7. 17 8. 20 14. 84
Annual average	1.11	3 1.18	1.11

Average investments beginning and end of year, except for borrowing which were averaged monthly.
 Before provision for Federal income and profits taxes.
 Denotes loss.

Table 21 shows that the annual average rates of return for the 10-year period were 1.11 percent on the total investment and on the investment in the farmmachinery business, and a loss of 1.18 percent on the stockholders' investment. Rates of return on each of the three bases of investment were highest in 1936 and lowest in 1931. The trend in rates of return on each of the three bases was generally the same, increasing in 1928 as compared with 1927 and decreasing in each year thereafter until 1931, when the trend was reversed. Although losses were sustained in 1932, they were considerably less than in 1931. Continued improve-

nent is reflected in each of the following years, particularly for the year 1936. Information concerning this company's operations is available as far back as the year 1913. Such information reveals that on the whole this company's operations have been fairly profitable from 1913 through 1936. From 1913 to 1918, inclusive, the average rate of return on the total investment was 11.30 percent and from 1919 to 1926, inclusive, it was 4.89 percent. The annual average return was 4.89 percent for the period 1913 to 1926, inclusive, and for the years 1913 to 1936, inclusive, it was 4.26 percent. The investments, profits and rates of return for each of the years 1913 to 1926, inclusive, are as follows:

1914 S5, 159, 275 \$223, 049 1915 S 1915 S 1916 S 1916 S 1916 S 1916 S 1917 S 1917 S 1917 S 1918 S 1917 S 1918 S	Year	Total invest-	Net profit applicable to total investment 2	Rates of return
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	915 916 917 918 Annual average, 1913–18	3, 198, 699 3, 519, 853 3, 411, 028 3, 450, 577 4, 190, 573	291, 604 35, 916 261, 179 482, 310 1, 067, 111	Percent 7.0 9.1 1.1 7.6 13.9 25.4
Appulal average 1010 gc	921 922 923 924 924	6, 347, 522 7; 078, 313 5, 889, 894 5, 560, 368 5, 933, 330 6, 266, 567	1, 185, 123 ³ 229, 065 ³ 751, 692 147, 194 353, 547	21. 5 13. 6 3 3. 2 3 12. 7 2. 6 5. 96 4. 14 6. 40

1 Average of investment at beginning and end of year.

² Before Federal income and profits taxes. 3 Denotes loss.

At the beginning of 1927 the company's surplus amounted to \$312,517, and at At the beginning of 1927 the company's surplus amounted to \$312,517, and at the end of 1936 it amounted to \$1,274,943. The fact that there was an increase in surplus despite the heavy losses sustained during the depression years, is accounted for by a credit to surplus in 1932 of \$4,675,435 as a result of the reorganization previously referred to, whereby capital stock of the amount of \$611,165 of the reorganized company was issued in exchange for the outstanding common and preferred stocks of the predecessor company of the par value of \$5,286,600. The credit to surplus of the amount referred to wiped out the accumulated deficit at the time of reorganization. During this period the company poid no dividends at the time of reorganization. During this period the company paid no dividends on its common stock, but did pay dividends during the years when preferred stock was outstanding. A total of \$650,650 in dividends on preferred stock was paid during the 10 years.

During the 10 years, 1927 to 1936, inclusive, the company's net sales aggregated \$30,765,132 as follows:

to of too as tollows.		•	00-000000
Year: 1927_ 1928 1929_ 1930 1931 1932	6, 708, 314 6, 180, 117 3, 059, 561	1934 1935 1936	\$1, 315, 706 2, 009, 143 2, 028, 285 2, 797, 918
An analysis 6		Total, 1927–36	30, 765, 132

An analysis of sales for the years 1928, 1931, and 1934 to 1936, inclusive, disclosed that domestic sales accounted for approximately 70 percent of the total gross sales for the 5 years. The analysis also indicated that replacement parts for farm machinery constituted an important part of the company's sales. During the 5 years, sales of farm implements and machines in this country averaged 39.83 percent of the total. The following tabulation shows the percentage of each class of sales to the total sales for each of the 5 years:

Gross sales

Gross sales			
Year	Farm implements and machines	Replacement parts	Total United States sales
1928	Percent 69.17 31.49 52.25 54.28 62.26	Percent 30, 83 68, 51 47, 75 45, 72 37, 74 39, 83	Percent 100 100 100 100 100 100 100

OLIVER FARM EQUIPMENT Co.

This company is the successor, by reorganization in 1929, to the Oliver Chilled Plow Works, the manufacturing activities of which were established in 1855 by James Oliver to manufacture chilled cast-iron plows. Prior to 1929 the manufacturing efforts of the Oliver Chilled Plow Works were confined to horse-drawn and tractor-drawn plows and tillage implements. The formation of the new company was part of a plan to expand and lengthen the Oliver line. In accordance with this plan, Oliver Farm Equipment Co. acquired the net assets of the following companies, in addition to those of the predecessor, Oliver Chilled Plow Works: Nichols-Shepard Co. (threshing machines); Hart-Parr Co. (makers of one of the oldest tractor lines); American Seeding Machine Co. (grain drills and seeders); and MacKenzie Manufacturing Co. (potato machinery).

Net assets amounting to \$33,516,580 were acquired by Oliver Farm Equipment Co. from the five predecessor companies for \$9,775,055 in cash, together with 480,762 shares of convertible participating stock and 346,170 shares of common

stock, to which a value of \$23,741,525 was assigned.

In addition, an amount of \$20,625,652 in cash was realized from the sale to bankers of 200,000 shares of prior preferred stock, 31,028 shares of convertible participating stock and 15,014 shares of common stock, all of no par value. Of the amount realized, \$9,775,055 was used in part payment for the assets of predecessor companies and the remainder was used to liquidate liabilities of those companies which were assumed by the new company, and for other corporate purposes.

Table 22, which follows, summarizes the investments, profits, and rates of return for Oliver Farm Equipment Co. from the time of its organization in 1929 through 1937. The rates of return are computed on three bases, namely, the total investment, stockholders' investment, and investment in the farm-machinery

business.

The investments include an undetermined amount of appreciation in the recorded value of the assets acquired by Oliver Farm Equipment Co. from Hart-Parr Co., one of the predecessors. It appears that an appraisal was made of the properties of Hart-Parr Co. in 1927, as a result of which the property was appreciated in value \$1,076,130. It is understood that the original amount of appreciated ciation has been depreciated each year since, but the details are not available, and therefore no adjustment is made to eliminate any appreciation from the investments. In any event the rates of return presented in the following table would not be materially affected by the deduction of all or any part of the original appreciation:

Table 22.—Summary of investments, profits, and rates of return for Oliver Farm Equipment Co., 1929-37

	Total investment	Stock- holders' investment	Investment in farm- machinery business
Average investments: 1 1929	\$37, 742, 980 46, 259, 415 43, 669, 122	\$37, 108, 084 33, 584, 837 28, 541, 372	\$37, 631, 194 45, 932, 854 43, 105, 420
1932 1933 1934 1935	37, 453, 470 31, 320, 614 25, 956, 189 22, 141, 096	25, 227, 637 21, 720, 198 17, 588, 229 14, 521, 288 14, 484, 817	36, 596, 237 29, 774, 594 24, 688, 243 21, 542, 567 22, 735, 385
1936. 1937. Annual average.	23, 298, 811 24, 134, 591 32, 441, 809	14, 484, 817 17, 534, 591 23, 367, 895	
Profits: ² 1929	3, 5/1, 044	3 2, 704, 138 41, 960 4 889, 342 4 4, 309, 548	3 2,742,794 617,992 63,422 4 3,468,093
1933. 1934. 1935. 1936.	4 2, 456, 601 4 2, 252, 685 4 554, 263 1, 353, 813	4 3, 015, 661 4 2, 679, 471 4 939, 821 908, 738 2, 562, 763	4 2, 344, 022 4 2, 114, 852 4 525, 389 1, 390, 471 (5)
Annual average	4 128, 438	4 624, 027	4 454, 710

See footnotes at end of table.

Table 22.—Summary of investments, profits, and rates of return for Oliver Farm Equipment Co., 1929-37.—Continued

	Total investment	Stock- holders' investment	Investment in farm- machinery business
Rates of return: 1929	Percent 7, 25 1, 32 , 04 4, 9, 54 4, 7, 84 4, 8, 68 4, 2, 50 5, 81 12, 28	Percent 7, 29 12 4 3, 12 4 17, 08 4 13, 88 4 15, 23 6, 47 6, 27 14, 62	Percent 7, 29 1, 35 1, 15 4, 9, 48 4, 7, 87 4, 8, 57 1, 2, 44 6, 12 (8)
Annual average	4.40	4 2. 67	4 1, 39

¹ Investments averaged at beginning and end of year, except for borrowed money which was averaged monthly.

Before provision for Federal income and profits taxes.
 Includes earnings of predecessor companies from Jan. 1, 1929, to dates of acquisition.

Denotes loss.

5 Not available for 1937.

Table 22 shows that for each of the three bases of investment, losses exceeded profits for the 9 years 1929–37, and the annual average rates of loss on the investment were 0.40 percent on the total investment, 2.67 percent on the stockholders' investment, and 1.39 percent on the investment in the farm-machinery business. The trend in earnings was downward between 1929 and 1932 and upward thereafter.

It will be noted that there was a considerable decline in investments during the period. Between 1930 and 1935, the average of the total investment declined from \$46,259,415 to \$22,141,096, a decrease of \$24,118,319. This decrease of more than 50 percent is accounted for principally by average decreases of \$9,177,498 in capital stocks outstanding, \$5,054,770 in borrowings and \$9,761,051 in surplus.

For the 9 years, 1929–37, all costs and expenses of doing business including Federal income and all other taxes exceeded income by \$6,557,971. This net loss, together with dividend payments of \$3,751,864 on preferred stock and other net charges to surplus of \$9,096,941, representing principally appropriations for reserves, account for total charges to surplus during the period of \$19,406,776. This ecndition led to a plan of recapitalization whereby the outstanding preferred and common stocks were exchanged in 1935 for a new issue of no-par value common stock, resulting in a reduction in stated value of capital stock of \$17,222,292 which was credited to surplus. Thus the net charge to surplus during the period was \$2,184,484. This amount when deducted from the surplus of \$8,116,832 at the beginning of the period accounts for the surplus of \$5,932,348 at December 31, 1937, of which \$3,077,951 represented capital surplus and \$2.854,397 represented earned surplus at that date.

Sales during the 9 years aggregated \$138,227,913 and were as follows for each year:

John			
Year:		Year:	Net sales
1929	\$27, 437, 973	1935	\$11, 812, 927
1930	23, 705, 663	1936	18, 171, 169
1931			26, 206. 911
1932			100 007 010
1933			138, 227, 913
1934	7. 246, 811		

The sales included only farm implements and repair parts, most of which had been manufactured in the company's plants, but part of them had been purchased from other manufacturers for resale by the company. An analysis of sales for 1932, 1933, 1935, and 1936 developed that over 91 percent of the total sales for those years were of products of the company's own manufacture.

THE MASSEY-HARRIS Co.

This company was incorporated on March 1, 1928, as a wholly owned subsidiary of Massey-Harris Co., Ltd., of Toronto, Canada. The latter company was organized in 1892 by consolidation of the separate businesses founded in 1840, in Canada, by Daniel Massey and John Harris. After manufacturing a varied line of farm implements and machines in Canada for many years, the Canadian company began operations in the United States in 1910, by acquiring control of Johnston Harvester Co. From that time until 1928, a limited number of farm implements and machines was manufactured in the United States by that company and its successor, Massey-Harris Harvester Co. By the acquisition in 1928 of the J. I. Case Plow Works, makers of plow and tillage implements, and the addition of other implements to its line, the American company became a long-line company, distributing through six important wholesale branch houses and 14 subbranches selling to jobbers and dealers in the United States.

addition of other implements to its line, the American company became a long-line company, distributing through six important wholesale branch houses and 14 subbranches selling to jobbers and dealers in the United States.

At the time of organization in 1928, the Massey-Harris Co. acquired the net assets of J. I. Case Plow Works from the holding company, Massey-Harris Co., Ltd., for a total consideration of \$2,957,806, consisting of \$1,262,500 of its capital stock and the assumption of \$1,695,306 of liabilities of the J. I. Case Plow Works. The new company recorded the plant and equipment so acquired at an amount of \$1,587,488 in excess of cost, and credited the appreciation to capital surplus

account.

As of May 31, 1928, the Massey-Harris Co. acquired from the holding company the net assets of Massey-Harris Harvester Co., under which the holding company's United States operations had been conducted prior to the formation of the Massey-Harris Co. The net assets acquired amounted to \$8,193,938, for which the new company issued its capital stock of the par value of \$2,750,000, and became obligated to Massey-Harris Co., Ltd., for \$5,432,674. The difference of \$11,264 between the value of the assets acquired and the consideration given was recorded as an addition to surplus by the Massey-Harris Co.

Table 23, which follows, summarizes the investments, profits or losses, and rates of profit or loss on investment for the Massey-Harris Co. for each of the years 1927 to 1936, inclusive. The information for the year 1937 is not available. For the other years the information applies to the operations of the Massey-Harris Co., the domestic company, and not to operations of Massey-Harris Co., Ltd.,

the Canadian holding company.

The rates of return have been computed on the total investment and the stockholders' investment. The total investment consists of the capital stocks outstanding, surplus, surplus reserves, and borrowed funds. The borrowings were deducted from the sum of these items to obtain the stockholders' investment. The earnings used to compute the rates of return on the total investment represent the net income from all sources before deducting interest on borrowed funds. The earnings applicable to the stockholders' investment represent the net income from all sources after deducting interest on borrowed funds.

The appreciation of \$1,587,487 in plant and equipment was reduced from year to year through property retirements and accruals for depreciation. The net amount of appreciation in each year was deducted from the investments in

computing rates of return.

Table 23.—Summary of investments, profits, and rates of return for the Massey-Harris Co., 1927-36

	Total invest, ment	Stock- holders' in- vestment		Total invest- ment	Stock- holders' in- vestment
Average investments; 2					
1927	\$6, 989, 500	\$2, 725, 824	1933	3 971, 426	3 1, 085, 12
1928	8, 886, 783	5, 159, 917	1934	3 837, 900	3 899, 06
1929		8, 601, 881	1935	8 658, 173	3 689, 19
1930	14, 774, 586	8, 683, 986	1936	3 150, 319	3 197, 070
1931		7, 335, 186	100011111111111111111111111111111111111	100,010	131,010
1932		5, 744, 700	Annual average	3 527, 724	3 676, 80
1933		4, 149, 675	Tanada a voi age	021,121	- 0,0,00
1934		3, 222, 477	Rates of return:	Percent	Percent
1935		2, 465, 615	1927	0, 71	3 5, 2
1936	5, 468, 950	2, 041, 050	1928	3 2, 05	3 5, 5
			1929	. 61	3 2. 6
Annual average	9, 529, 316	5, 013, 031	1930	3 5, 44	3 12, 5
			1931	3 5, 20	3 11. 2
Profits or losses:		i	1932	3 10, 70	3 23, 0-
1927	49, 505	3 142, 730	1933	3 11, 16	3 26, 13
1928	3 181, 834	3 287, 198	1934		3 27, 90
1929	96, 396	3 228, 189	1935	3 11, 56	8 27. 95
1930	803, 775	³ 1, 093, 111	1936	3 2. 75	8 9, 66
1931	³ 652, 691	3 822, 938			
1932	3 1, 167, 010	3 1, 323, 385	Annual average	3 5. 54	3 13. 50

¹ For this company from Mar. 1, 1928, and for Massey-Harris Harvester Co. prior thereto.
² Average of investments at beginning and end of year, except for borrowings which were averaged monthly.

3 Loss.

Table 23 shows that losses were sustained on the stockholders' investment in every one of the 10 years, and in every year but 2 on the total investment. The losses throughout the period resulted in annual average rates of losses on the total investment of 5.54 percent and 13.5 percent on the stockholders' investment. The accumulated losses throughout the 10-year period resulted in a deficit for the company at the end of 1936 of \$7,130,771. The company paid no dividends during these years.

The company's sales aggregated \$58,039,702 for the 10 years, 1927 to 1936,

inclusive. The net sales for each year were as follows:

Year:	Net sales	Year—Continued.	Nel sales
1927	\$4, 615, 687	1933	\$1, 587, 592
1928	9, 393, 763	1934	2, 215, 882
1929	14, 073, 883	1935	3, 093, 038
1930	11, 399, 130	1936	5, 197, 623
1931	5, 426, 361	_	
1932	1, 036, 743	Total, 1927–36	58, 039, 702

The company's sales included a small amount of malleable iron, in addition to its sales of farm implements and machines and replacement parts. An analysis of the sales for the years 1929, 1932, 1933, 1935, and 1936 disclosed that the sales of farm implements and machines for those years averaged 81.69 percent of the total net sales, while replacement parts averaged 15.41 percent of the total and the sales of other products, consisting largely of malleable iron, represented 2.9 percent of the total.

Salaries and Other Compensation of Corporation Officers

Information concerning salaries and other compensation paid to officers of the principal farm machinery manufacturers was obtained from International Harvester Co., Deere & Company, Allis-Chalmers Manufacturing Co., Minneapolis-Moline Power Implement Co., Oliver Farm Equipment Co., the Massey-Harris Co., Caterpillar Tractor Co., J. I. Case Co., and B. F. Avery & Sons Co. The information is available for only the years 1927 to 1936, inclusive.

The following table shows the total salaries and other compensation paid to officers of the principal manufacturers of farm implements and machines for each of the years 1927 to 1936, inclusive:

Table 24.—Total salaries and other compensation paid to officers of principal corporations engaged in manufacturing farm implements and machines, 1927 to 1936, inclusive

	Percent 1929=100	100 00 00 00 00 00 00 00 00 00 00 00 00	
Total	Amount	\$1, CSS, 415. 50 1, 286, 288, 78, 78, 78, 78, 78, 78, 78, 78, 78,	
	& Sons Co.	\$55, 500,00 137,000,00 137,000,00 137,000,00 137,000,00 138,000,000 138,000,000	
	J. I. Case Co.	\$124, 825. 00 145, 824. 00 145, 824. 00 145, 824. 00 127, 816, 62 127, 816, 62 127, 826, 82 138, 82 138, 83 13	
	Caterpillar Tractor Co.	\$273, 890, 50 275, 333, 18 280, 682, 833, 18 280, 682, 833, 18 281, 682, 843, 843, 844, 846, 86 281, 864, 864, 864, 864, 864, 864, 864, 864	
The Mas-	sey-Harris Co.	\$27,000,00 \$27,000,00 \$27,000,00 \$28,457,12 \$2	
Oliver	Farm Equip- ment Co.	150, 234, 234, 234, 234, 234, 234, 234, 234	
Minneapolis-	Power Im- plement Co.	\$225, 145, 80 1179, 808. 145, 80 119, 918, 60 82, 376, 60 84, 831, 60 87, 886, 60 87, 886, 60 87, 888, 60 88, 20 88, 20 88, 386, 60 88, 386, 60 88, 376, 60 88, 376, 60 88, 376, 60 87, 881, 60 87, 881, 60 87, 881, 60 87, 881, 60	
Allis-	Manufac- turing Co.	\$14,700.00 156,700.00 157,700.00 157,700.00 158,297.00 158,397.00 171,477.00 173,477.00 174,477.00 175,898.00 174,477.00 175,477.00	
	Deere & Co.	\$123, 200, 00 1118, 200, 00 118, 200, 00 118, 200, 00 118, 200, 00 118, 200, 00 118, 200, 00 119, 417, 59 116, 740, 00 128, 50 128, 200, 00 128, 200, 00 128, 200, 00 128, 200, 00 128, 200, 00 128, 200, 00 128, 477, 88 115, 200, 00 116, 477, 88 116, 477, 87 116, 477, 87 116, 477, 87 116, 477	
Inter-	Harvester Co.	\$153,000 487,250 488,550 438,450 438,450 437,317 286,550 437,377 448,577 448,588 46,588 46,588 46,588 48,588	
		Total salaries: 1928 1928 1939 1930 1931 1932 1936 1938 1928 1928 1939 1930 1931 1932 1938 1938 1938 1938 1938 1938 1938 1938	

Table 24 shows that the total compensation paid to officers of the nine companies declined each year from \$3,601,198 in 1929 to \$1,088,933 in 1933, and then increased each year to \$1,700,531 in 1936. The decline in total compensation from 1929 to 1933 was due to declines in both total salaries and total other compensation, principally other compensation. While total compensation in 1933 was 30.24 percent of 1929, total salaries and total other compensation were 66.45 percent and 2.27 percent, respectively, of 1929. Other compensation accounted for \$2,031,990 of the total compensation of \$3,601,198 in 1929, and only \$46,122 of the total compensation of \$1,088,933 in 1933. The increase in total compensation from \$1,088,933 in 1933 to \$1,700,531 in 1936 was due to increases in both salaries and other compensation, principally salaries.

The following table shows the number of officers and the average total compensation paid to officers of principal corporations engaged in manufacturing farm implements and machines for each of the years 1927 to 1936, inclusive, for which

the information was available:

Table 25.—Number of officers and average total compensation paid to officers of principal corporations engaged in manufacturing farm implements and machines, 1927 to 1936, inclusive

NUMBER OF OFFICERS

	Interna- tional Har- vester Co.	Deere & Co.	Allis- Chal- mers Manu- factur- ing Co.	Minnea- polis Moline Power Equip- ment Co.	Oliver Farm Equip- ment Co.	The Massey- Harris Co.	Cater- pillar Tractor Co.	J. I. Case Co.	B. F. Avery & Sons Co.
1927 1928 1929 1930 1931 1931 1932 1933 1934 1934 1935 1936	11 1 13 13 12 13 4 15 2 14 14 2 17 2 17	7 6 6 6 6 6 7 7	8 8 8 8 9 9 9 9	13 4 8 6 6 6 6 6 6	3 7 6 5 7 5 5 5 5 5 5 5 5	2 2 2 2 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	15 2 14 11, 10 6 11 11 10 1 12 12 12	7 7 7 8 8 8 8 8 8 9 9 9 9 9 8	55 55 155 155 44 33

AVERAGE TOTAL COMPENSATION PER OFFICER

	1	1	1	1	1	1	1	1	
1927	\$142,940	\$31, 171				\$13, 500	\$18, 259	\$19,332	\$11, 300
1928	147, 524	55, 314	\$21, 435			13, 500	23, 021	27, 886	21, 437
1929	161, 193	75, 867	22, 498	\$17, 319	\$19, 714	13, 500	24, 394	24, 952	14,600
1930	124, 674	59, 838	25, 096	28, 817	18, 551	13, 500	27,083	17, 994	10, 399
1931	35, 808	20, 787	21, 932	24, 812	36, 265	5, 556	26, 639	15, 990	6, 479
1932	28, 952	15, 960	16, 456	19, 986	35, 652	8, 829	24, 341	13, 928	5, 955
1933	24, 846	14, 232	14, 122	13, 832	27, 947	8, 283	21, 405	12, 489	6, 298
1934	26, 329	14, 635	13, 897	13, 729	25, 918	7, 972	19, 895	12, 489	11, 033
1935	24, 307	16, 529	16, 553	14, 139	16, 572	4, 573	23, 692	12,062	13, 479
1936	37, 259	20,049	20, 457	14, 649	16, 574	5, 179	28, 364	16, 525	28, 938

¹ Includes 1 officer for part of year omitted in computing average compensation per officer.

Includes 2 officers for part of year omitted in computing average compensation per officer.
Includes 3 officers for part of year whose salaries were converted to annual basis in computing average

⁷ Includes 1 secretary-treasurer for 10 months and 1 secretary for 2 months; 2 officers used in computing average compensation per officer.

² Includes 2 officers for part of year. The salary of 1 officer was eliminated and the other-converted to annual basis in computing average compensation per officer.

³ All salaries for part of year and converted to annual basis in computing average compensation per officer.

compensation per officer.

Includes 1 officer for part of year whose salary was converted to annual basis in computing average compensation per officer.

Table 25 shows that International Harvester Co. paid the highest average total compensation per officer of all companies for which such data were available for the 10-year period, except during 1931, 1932, and 1933, when Oliver Farm Equipment Co. paid the highest average total compensation per officer. International Harvester Co. paid average total compensation per officer of \$142,940 in 1927, \$147,524 in 1928, \$161,193 in 1929, \$124,674 in 1930, \$26,329 in 1934, \$24,307 in 1935, and \$37,259 in 1936. Oliver Farm Equipment Co. paid average total compensation per officer of \$36,265 in 1931, \$35,652 in 1932, and \$27,947 in 1935. Deere & Co. paid substantial average total compensation per officer during the years 1927 to 1930, inclusive. Such compensation was \$31,171 in 1927, \$55,314 in 1928, \$75,867 in 1929, and \$59,838 in 1930.

The following tables show the salaries and other compensation paid to individual officers of International Harvester Co., Deere & Co., Allis-Chalmers Manufacturing Co., Minneapolis-Moline Power Implement Co., Oliver Farm Fquipment Co., the Massey-Harris Co., Caterpillar Tractor Co., J. I. Case Co., and B. F. Avery & Sons Co. for each of the years 1927 to 1936, inclusive, for which the

information was available.

TABLE 26.—Salaries and other compensation paid to officers of International Harvester Co., 1927 to 1936, inclusive

	os mind	o e issulfo	Turei in	T aparona	arvester	C0., 13.	261 01 13	o, inclus	ıve	
	1927	1928	1929	1930	1831	1932	1933	1934	1935	1936
Cyrus H. McCormick, chairman of board of directors: 1 Salary Other compensation	\$10,000 35,160	\$10,000	\$10,000	\$10,000	\$8, 648 480	\$6,000	\$5,144	\$5,000	\$3,750	
Total	45, 160	10,600	10, 280	35, 400	9, 128	6, 585	5,619	5, 550	4, 200	
Haroid F. McCormick, chairman of executive committee: 2 Salary Other compensation.	10, 000 25, 160	10,000	10,000	10, 000 25, 360	8,648	7, 568	5, 448	5,000	5,000	\$20,000 1,080
Total	35, 160	10,440	10,360	35, 360	9,368	8, 168	5, 973	6,825	5, 500	21, 080
Alexander Legge, president: 1 Salary Other compensation	100, 000 253, 386	100,000 305, 909	50,000	1 9	63, 673	66, 053 795	50, 384	8 3 8 0 9 0 9 2 9 1 8 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Total	353, 386	405,909	412, 860	-	64, 153	66, 848	51,009		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Herbert F. Perkins, first vice president: Salary Other compensation	65, 000 122, 106	65,000 144,091	70,000	75,000	35, 674	315	7 h 1 2 1 3 1 0 1 0 7 0 7 0 7 0			
Total	187, 106	209, 091	259, 793	252, 460	40, 567	315				
Addis E. McKinstry, vice president: 4 Salary Other compensation	50, 000 116, 885	50,000 143,055	50,000	50,000 157,458	46, 389	45,084 1,219	42, 323	60,000	20,000	20,000
Total	166, 885	. 193, 055	236, 665	207, 458	50, 293	46, 303	42,985	60, 717	20, 727	21, 160
Salary Other compensation	35,000 76,433	35,000 77,659	35, 000 85, 496	35,000 45,180	- 1			3 1 6 6 7 8 8 9 1 9 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1,008	111, 433	112, 659	120, 496	80, 180						
1 Resigned, Sentember 1935										

1 Resigned, September 1935.

**Chairman of finance committee and chairman of executive committee, 1923; chairman of finance committee, 1933; chairman of directors, September 1935.

**Died Dec. 3, 1933; chairman of executive committee, 1925; chairman of executive committee, 1936.

**President, December 1933; resigned as president Apr. 30, 1985; chairman of executive committee, 1936.

TABLE 26.—Salaries and other compensation paid to officers of International Harvester Co., 1927 to 1936, inclusive—Continued

	1927	1928	1929	1930	1831	1932	1933	1934	1935	1936
George A. Ranney, vice president and treasurer: § Salary Other compensation	\$47, 500 131, 295	\$50,000 152,711	\$60,000 197,585	\$60,000 161,440	\$55, 648 2, 877	\$49, 731 1, 201	\$14,848			
Total	178, 795	202, 711	257, 585	221, 440	58, 525	50,932	15, 424	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Cyrus McCormick, Jr., vice president: Salary Other compensation	39, 500 121, 168	45,000 142,340	55,000 184,833	55, 000 154, 180	51, 023 3, 562	4, 141	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L I I I I I I I I I I I I I I I I I I I	6 I 1 2 2 1 1 1 1 3 1 3 1 3 1 3 1 3 1 3 1 4 1 3 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	
Total	160, 668	187, 340	239, 833	209, 180	54, 585	4,828				
William S. Elliott, general counsel: 6 Salary Other comognation	32, 500 80, 735	35, 000 101, 473	45, 000 128, 671	45,000 107,058	41, 773 2, 510	37, 359 616	31, 182	\$39, 319	\$40,000	\$45,000 17,730
Total	113, 235	136, 473	173, 671	152,058	44, 283	37,975	31, 745	39,856	40, 327	62, 730
William M. Reay, comptroller: 7 Salary, Other compensation.	47, 500 131, 381	50,000	60,000	60,000	55, 648 2. 936	49, 731	41, 457	42, 318 16	7,053	
Total	178,881	202, 624	255, 252	193, 834	58, 584	50,304	41,489	42, 334	7,053	
Wm. M. Gale, secretary: Salary Other compensation	16,000 25,636	16,000	16,000 27,320	16,000	14, 948 1, 090	13, 431	11,303	12, 420	J 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Total	41,636	42,036	43, 320	31,260	16.038	13, 619	11, 407	12, 430	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
William P. Kelley, comptroller: § Salary. Other compensation.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21, 250 36, 098	22, 500 47, 490	22, 500 44, 560	20, 960 1, 667	20, 335	17,322	24, 390 10	26, 333	6,750
Total		57,348	69, 990	67.060	22, 627	20,648	17.348	24, 400	26, 333	6,750
Sydney G. McAllister, vice president: 9 Salary Other compensation.	1 1				25, 398 1, 324	28, 585 230	27, 961 130	38, 333 541	53, 333	66, 667 28, 175
Total					26,722	28,815	28,091	38,874	54,033	94, 812
	STREET, STREET									

Cassius F. Biggert, vice president: Salary Other compensation	1 1		1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		18,085	15,418	21, 312	23, 833	24, 500
Total				1	1	18,308	15, 567	21,395	23,845	33, 830
Arnold B. Keller, treasurer: Salary Other compensation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17,034	15,043	21,083	22, 833	25, 167 10, 190
Total		-	1			17, 197	15,043	21,083	22, 833	35, 357
Maurice F. Holahan, vice president; 10 Salary Other compensation							11,004	24, 375	35, 938	44,833
Total		:					11,004	24, 375	36, 338	63, 553
Edward A. Johnston, vice president: Salary Other compensation								38, 569	40,000	45,000 17,130
Total		:		. 1			;	38, 772	40,051	62, 130
Albert A. Jones, vice president: 11 Salary Other compensation								22, 203	26, 333	11, 250
Total								22, 242	26, 335	11, 250
Fowler McCormick, second vice president: Salary. Other compensation.									\$20,917	\$25,000 9,805
Total						-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20, 917	34, 805
Charles R. Morrison, vice president: Salary Other compensation					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 1	1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22, 562	28, 333 11, 430
Total						1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		22, 564	39, 763
John Morrow, Jr., vice president: 12 Salary Other compensation		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							13, 050	21, 667 8, 565
Total									13, 050	30, 232
⁶ Resigned, Apr. 30, 1933. ⁷ Vice president, 1928, retired Feb. 28, 1935. ⁸ Vice president and general counsel, 1934. ⁸ Died, March 1936.	ired Feb. 2	28, 1935.	Presiden	t, April 193 vice presid	President, April 1935.		Retired M. Elected vic	ay 31, 1936 e presiden	11 Retired May 31, 1936.	1935.

TABLE 26.—Salaries and other compensation paid to officers of International Harvester Co., 1927 to 1936, inclusive—Continued

	1927	1928	1929	1930	1831	1932	1933	1934	1935	1936
Sanford B. White, secretary:									\$11.967	\$15.833
Salary	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				6, 700
Total									11, 967	22, 533
Charles R. McDonald, vice president: 13 Salary.							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			11, 527 7, 620
Other compensation.										19, 147
Christian E. Jarchow, comptroller: Salary								1		15,850
Other compensation										24, 415
John P. Wilson, consulting counsel:			\$5,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	10,000	10,000
Other compensation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$600	400	400	720	670	450	750	575	1,080
Total		009	5, 400	10, 400	10, 720	10, 670	10,450	10, 750	10, 575	11,080
Total salarles Total other compensation	\$453,000 1,119,345	487, 250 1, 283, 636	488, 500 1, 607, 005	448, 500 1, 047; 590	438, 430 27, 163	373, 137 8, 383	298, 837 4, 317	364, 322	382, 902	437, 377
	1, 572, 345	1,770,886	2, 095, 505	1, 496, 090	465, 593	381, 520	303, 154	368, 603	386, 648	594, 657

13 Elected vice president, June 1, 1936.

Table 27.—Salaries and other compensation paid to officers of Deere & Co., 1927 to 1936, inclusive

TABLE 21: Dataties	aun nun	comper	isation' p	.—Saidries and oner compensation paid to officers of Deere & Co., 1921 to 1930, inclusive	s of Deere	x Co., 1921	10 1330,	inciusive		
	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
William Butterworth, chairman: Salary Other compensation	\$36,000	\$36,000 50,000	\$36,000 75,000	\$36,000.00 50,040.00	\$32, 850. 00 60. 00	\$25, 920.00	\$23,040	\$23,040.00	\$25,920	\$19, 800.00
Total	56,000	86,000	111,000	86, 040.00	32, 910.00	25, 920.00	23,040	23,040.00	25, 920	19, 800.00
C. D. Wimap, president: Salary Other compensation	20,000	20, 000	20,000 75,000	25, 000. 00 50, 080. 00	22, 812, 54 80, 90	17, 999. 92	16,000	15, 999. 84	18,000	24, 166. 72
Total	40,000	70,000	95,000	75, 080. 00	22, 892, 54	17, 999. 92	16,000	15, 999. 84	18,000	24, 166. 72
Burton F. Peek, vice president: Salary Other compensation	10,000	10, 000 25, 875	10,000	10,000.00 16,185.00	9, 124. 92	7, 199.88	6, 400	12, 799.87	14, 400	19, 333, 28
Total	20,000	35,875	34, 500	26, 185, 00	9, 224. 92	7, 199.88	6, 400	12, 799.87	14,400	19, 333, 28
Frank Silloway, vice president: Salary Other compensation	25,000	.25,000 0,875	25,000 79,500	30, 000. 00 52, 330. 00	27, 375.00 80.00	21,600.02	19, 200	19, 200. 00	21,600	29,000.00
Total	45,000	85,875	104, 500	82, 330.00	27, 455.00	21,600.02	19, 200	19, 200.00	21,600	29, 000. 00
Floyd R. Todd, vice president: Salary Other compensation	5,000	5,000 12,500					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Total	10,000	17,500	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						1	
T. F. Wharton, secretary and comptroller: Salary Other compensation	20,000 17,500	20,000	20,000	25,000.00 53,113.60	22, 812, 54 2, 487. 70	17, 999. 88	16,000	15, 999. 84	18,000	24, 166. 72
Total	37, 500	79, 750	98,000	78, 113.60	25, 300, 24	17, 999. 88	16,000	15, 999. 84	18,000	24, 166. 72
C. W. Crampton, treasurer: Salary Other compensation.	7, 200 2, 500	7,200 5,000	7,200 5,000	7, 200.00	6,840.00	5,040.00	4,752	4, 608.00	5, 184	6, 960.00
Total	9, 700	12, 200	12, 200	11, 280.00	6,940.00	5,040.00	4,752	4,608.00	5, 184	6, 960.00
C N. Stone, vice president, salary							1 1 1	10, 800. 04	12,600	16, 916. 72
Total salaries Total other compensation	123, 200 95, 000	123, 200 264, 000	118, 200	133, 200. 00 225, 828. 60	121, 815.00 2, 907.70	95, 759. 70	85, 392	102, 447. 59	115, 704	140, 343. 44
Total	218, 200	387, 200	455, 200	359, 028. 60	124, 722. 70	95, 759, 70	85, 392	102, 447. 59	115, 704	140, 343. 44

Table 28.—Salaries and other compensation paid to officers of Allis-Chalmers Manufacturing Co., 1928-36, inclusive

	1928	1929	1930	1831	1932	1933	1934	1935	1936
Otto H. Falk, president: 1 Salary Other compensation.	\$50,000 1,040	\$50,000 1,060	\$49, 583 3, 650	\$45,000	\$40,833	\$36, 145. 83 425. 00	\$35, 937. 50	\$38, 958. 31 850. 00	\$44, 583. 31 750. 00
Total	51,040	51,060	53, 233	47, 400	41,608	36, 570. 83	36, 487. 50	39, 808. 31	45, 333. 31
Max W. Babb, vice president: 2 Salary Other compensation	24, 000 6, 675	24,000	25, 783 11, 360	23, 400 8, 440	21, 233	20, 270. 83	23, 018. 78 575. 00	28,008.31	35, 879. 18 675. 00
Total	30,675	31, 376	37, 143	31,840	24, 314	20, 670.83	23, 593, 78	28, 733. 31	36, 554. 18
W. A. Thompson, comptroller and seeretary: ³ Salary Other compensation	15,000 5,900	15,000 6,726	16, 858 8, 260	15, 300 6, 490	13,883	13, 764. 63	12, 218.80	13, 983. 31	19, 829, 15
Total	20, 900	21, 726	25, 118	21, 790	16, 464	13, 764. 63	12, 218.80	13, 983. 31	19, 829. 15
Raymond Dill, treasurer: 4 Selary Cyher compensation	11,000	12, 000 4, 983	12,891	11, 700 6, 490	10, 616 2, 581	10, 872. 97	9, 831. 30	12, 425.00	4, 908. 34
Total	15, 125	16, 983	20, 241	18, 190	13, 197	10, 872, 97	9, 831. 30	12, 425.00	\$ 4, 908.34
. Keogh, assistant secretary: ⁶ slary Other compensation	7, 500	7,800	8, 726 2, 917	7, 920	7, 186	8, 255. 41	7, 918. 76	10, 866. 69	16, 262. 50
T tal	9, 337	10,012	11,643	10, 340	8, 287	8, 255. 41	7, 918. 76	10, 866. 69	16, 262. 50
D. A. S. ewart, assistant treasurer: 7 Salary Other compensation	7, 200	7, 200	7,140	6, 480	5,880			9 1 9 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1	
Total	9,000	9, 252	9,660	8, 460	6,667	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
William Watson, general works manager: 8 Salary Other compensation	17,000	20, 000 6, 726	19, 833 8, 260	18,000	16, 333	15, 933, 33	14, 375. 00	16, 320. 81	22, 504. 15
Total	22, 900	26, 726	28, 093	24, 490	18, 914	15, 933, 33	14, 375.00	16, 320. 81	22, 504. 15

A. F. Rolf, assistant secretary. Salary.	10.000	10 000	10 908	000 0	000 0	2000	1	0000	300
Other compensation	2, 500	2,850	4, 727	3, 043	1, 203	3, 008. 00	, ano. su	8, 803. 80	11, 985. 39
Total	12, 500	12,850	15,635	12,943	10, 186	8, 639. 65	7, 906. 30	8, 863. 86	- 11, 985. 39
H. W. Story, general attorney: " Salary Other compensation.					7,350	8, 268. 74	8, 643. 78	12, 425.00	18, 045. 84
Total				8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8, 470	8,268.74	8, 643.78	12, 425.00	18, 045. 84
J. F. Kyan, assistant secretary and assistant treasurer, salary. H. C. Morritt, vice president, salary L. W. Grothaus, rice president, salary		1			-	4, 120.65	4, 096. 90	5, 553. 75	8, 988. 33 16, 872. 12
H. E. Hawkinson, treesurer, salary							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		14, 817. 69° 10 8, 916. 67
Total salary Total other compensation	29, 777	146, 000 33, 985	151, 722 49, 044	137, 700 37, 753	132, 297 15, 810	126, 272. 04 825. 00	123, 947. 12	147, 405.04	223, 598. 67 1, 425. 00
Total	171, 477	- 179, 985	200, 766	175, 453	148, 107	127, 097. 24	125, 072. 12	148, 980. 04	225, 023. 67

1 Chairman, 1932–36.

1 President, 1932–36.

1 Secretary-treasurer, 1932–36.

1 Secretary-treasurer, 1932–36.

1 Comptroller and assistant secretary, 1932, comptroller 1933–36.

1 Assistant secretary and assistant treasurer, 1832.

1 Vice president and general attorney, 1934–36.

1 Began Apr. 1, 1936.

Salaries paid to officers of Minneapolis-Moline Power Implement Co., 1929 to 1936, inclusive T. Pr . P. 00 -

190	O			•						
1000	1940		\$11,500	11,000		30.000	17,000	7,800		87,896
2002	1935		\$13,800	14, 000		30, 000	14,050	7, 800		84, 831
,	1934		\$13,518	- 1		30,000	12,650			82, 376
	1933		\$12, 428. 28	12, 710. 70		35, 994. 10	10, 592. 28	6, 755. 52		82, 988. 56
	1932		\$12,672	12, 960		72,000	10,800	6,888	1	119,916
	1931		\$15, 781.30	16, 350. 00		89, 666. 66	;	8, 172. 00		148, 868. 96
	1930		\$17, 599. 92			99, 999. 97	13, 500, 00	16,000.00	2, 083. 33	179, 560. 14
	1929	\$11,979.09	6, 416, 62	6, 299, 99	5,000.00	82, 179, 47	10, 766. 66	18, 000. 00 8, 337. 50	23, 958. 30	225, 145. 80
TABLE 29.—Datalites para to Opicol s of intermediate			A. J. Bisdee! Alvin Brown!	C. L. Gillette, vice president		R. W. Lea 's W. C. MacFarlane, president	P. H. Noland, vice president.	J. S. Record, chairman of board W. C. Rich, serrelary	N. A. Wiff, vice president	Total salaries paid

1 Treasurer, Minneapolis Threshing Machine Co.
1 Treasurer, Moline Implement Co.
2 Sercetary, Minneapolis Threshing Machine Co.
1 Chiarman of bord. Minneapolis Threshing Machine Co.
2 President, Moline Implement Co.

Table 30.—Salaries and other compensation paid to officers of the Oliver Farm Equipment Co., 1929 to 1936, inclusive

1936	\$15, 232. 50	24, 847. 36	24, 847. 36	15, 069, 18 7, 710, 00 20, 009, 93	82, 868. 97	82, 868. 97
1935	\$11,986.61	25, 139. 84	25, 139, 84	15, 260.00 5, 354.03 25, 119.84	82, 860. 32	82, 860. 32
1934	\$10, 260.00	27, 011. 52 49, 140. 00	76, 151. 52	15, 260. 00 4, 989. 92 22, 916. 52	80, 447. 96 49, 140. 00	129, 587. 96
1933	\$10,260.00	40, 290.00 40, 980.00	81, 270.00	9 2, 022, 00 15, 260, 00 4, 999, 92	72, 831. 92	113, 811. 92
1932	\$10, 758.00	57, 990. 00 57, 990. 00	115, 980, 00	28, 038, 00 16, 910, 00 6, 572, 93	120, 268. 93 57, 990, 00	178, 258. 93
1931	4 \$12, 600, 00 6 3, 375, 00 13, 145, 66 7 9, 000, 00	73, 031. 25 75, 000. 00	148, 031, 25	29, 055. 00 15, 022. 91	155, 229.82 75, 000.00	230, 229. 82
1930	\$33,550,00 10,416.72 21,700.00 14,812.50 14,812.50		1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		110, 104, 22	110, 104, 22
1929	1 \$20, 000. 00 1 13, 333. 44 2 8, 333. 36 1 12, 000. 00 5 3, 750. 00 10, 000. 00	,			77.416.80	77, 416.80
	M. W. Ellis, president, salary W. A. Weed, vice president, salary L. J. Brown, vice president, salary R. C. Rolfing, works manager !salary W. D. Fowler, treature, salary T. A. Freeman, secretary, salary A. H. Witt, comptroller, salary	C. R. Messinger, president. ³ Salary Other compensation.	Total	M. E. Forbes, vice president, salary J. S. Witmer, vice president, salary B. Hanger, comprehents, salary Cal Sirright, executive vice president, salary M. H. Pettitt, president, salary	Total salaries Total other compensation	Total

1 For 8 months.

1 For 4 months.

1 For 4 months.

2 Vice president, 1890 and 1931.

2 Resigned Apr. 13, 1931, covers salary from Jan. 1 to July 31, 1931.

3 For 3 months.

5 Resigned Feb. 26, 1931, covers salary from Jan. 1 to Mar. 31, 1931.

7 Resigned July 15, 1931, 1932, 1932, 1933, and 1936; chairman of board 1933 to 1936.

8 Resigned Jan. 15, 1933.

Table 31.—Salaries paid to officers of the Massey-Harris Co., 1927 to 1936, inclusive

1936	1 \$4, 583.33 4, 858.34 2 916.66	10, 358. 33
1935	\$6, 666.67 1\$ 2, 654.18 4, 396.67	13, 717. 52
18	1 1 1	- 1
1934	\$7, 500.00 12, 386.66 4, 030.00	23, 916. 6
1933	\$8, 200. 00 12, 740. 00 3, 908. 34	26, 847. 12 24, 848. 34 23, 916. 66
1932	\$9, 561. 51 12, 949, 99 3, 975. 62	26, 847. 12
1931	\$3, 125 11, 100 1, 000 7, 000	22, 225
1930	\$15,000	27, 000
1929	\$15,000	27,000
1928	\$15,000 12,000 12,000	27,000
1927	\$15,000	27, 000
	G. C. Weyland, president. William M. Labventurs, secretary-treasurer. Goorge White, vice president. L. M. Donaldson, vice president. J. H. Garrick, assistant secretary-treasurer—treasurer 1936 C. R. Franse, seerstary	Total salaries paid

For 10 months.

Table 32.—Salaries paid to officers of the Caterpillar Tractor Co., 1927 to 1936, inclusive

1936	\$50,000,00 25,000,00 25,000,00 35,000,00 421,600,00 421,600,00 15,000,00 15,600,00 11,600,00 11,600,00 13,000,00 14,000,00 15,000,00 16,000,00 17,000,00 18,
1935	\$42, 200 25, 000 25, 300 25, 300 32, 900 11, 500 11, 500 11, 500 11, 500 11, 500 11, 500 11, 500 11, 500 11, 500 11, 500 12, 500 12, 500 13, 500 13, 500 13, 500 14, 500 16, 500 17, 500 18, 500 18, 500 19, 500 19, 500 19, 500 10, 5
1934	\$32,046,62 25,000,00 22,000,00 24,050,00 11,100,00 11,100,00 11,100,00 12,000,00 12,000,00 12,000,00 12,000,00 12,000,00 13,500,00 14,500,00 15,500,00 16,150,00 17,500,00 18,61
1933	830, 000 37, 500 37, 500 18, 750 22, 500 15, 300 11, 250 11, 250 11, 250 11, 250
1932	838, 000 15, 000 15, 750 15, 750 18, 000 18, 000 11, 500 11, 500 11, 500 11, 500 11, 500 11, 500
1931	\$30, 333, 30 40, 166, 60 14, 750, 00 20, 500, 00 19, 666, 60 19, 666, 60 7, 14, 750, 00 21, 583, 30 19, 666, 60 21, 583, 30 19, 666, 60 21, 583, 30 20, 082, 90
1930	\$40,000,00 50,000,00 15,000,00 27,499,98 20,000,00 20,000,00 20,000,00 20,000,00
1929	\$40,000,00 50,000.00 15,000.00 15,000.00 25,400.00 26,000.00 18,333.28 20,000.00 18,20,000.00 115,000.00 20,000.00 20,000.00
1928	\$40,000.00 50,000.00 15,000.00 15,000.00 15,000.00 15,000.00 15,000.00 15,000.00 16,000.00 16,500.00 16,500.00 17,700.00 17,700.00
1927	840, 000. 00 50, 000. 00 13, 000. 00 15, 000. 00 25, 000. 00 15, 000. 00 15, 000. 00 17, 500. 00 18, 200. 00 19, 200. 00 11, 2
Officers	C. L. Best, chairman of board R. C. Force, president 1 B. C. Hagook, vice president 2 C. Parker Holt, executive vice president O. L. Stan, vice president C. O. Wold, vice president T. J. Connor, vice president T. J. Connor, vice president T. J. Whuro, vice president N. Banstein, secretary H. M. Han, treasurer H. M. Hal, treasurer A. S. Weaver, vice president M. M. Baker, vice president M. M. Baker, vice president M. M. Baker, vice president F. E. Holt, vice president F. E. Meaven, vice president F. E. Holt, vice president F. K. Parson, secretary treasurer K. B. Harlan, secretary R. E. Mann, treasurer Total

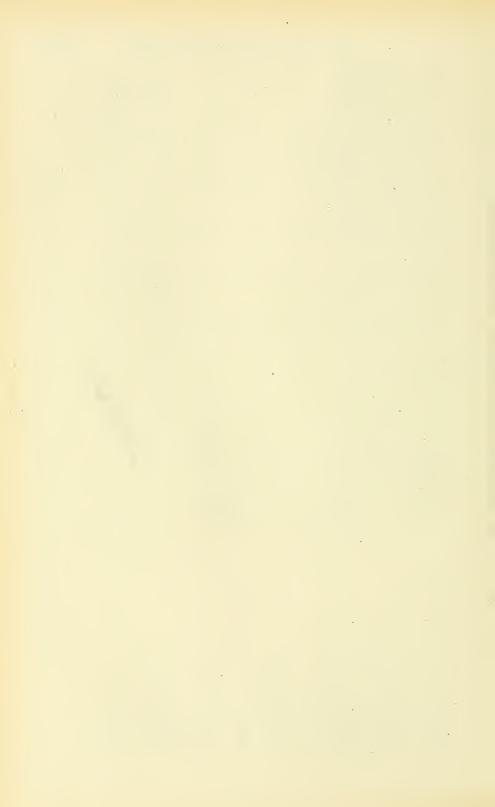
Appointed Oct. 23, 1934.
 Appointed Dec. 31, 1933.
 Weisgined Dec. 31, 1933.
 Resigned Dec. 31, 1933.
 Westorn Harvester Co.
 Resigned Jan. 31, 1933.
 Resigned Oct. 16, 1933.
 Resigned Oct. 16, 1931.
 Resigned Oct. 16, 1931.

1 Chairman of executive committee, 1930–36.
2 President, 1930–36.
3 Appointed Nov. 20, 1928.
3 Appointed Mar. 31, 1936.
5 Appointed Dec. 7, 1934.
7 Appointed Peb. 3, 1931.
8 Treasurer, 1936.

TABLE 33.—Salaries and other compensation paid to officers of J. I. Case Co., 1927 to 1936, inclusive

			•								ا د
	. 1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	000
L. R. Clausen, president: Salary Other compensation	\$50,000	\$50,000 25,000	\$50,000.00 25,000.00	\$49, 166. 60	\$42, 916. 67	\$36, 333. 28	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	
Total	50,000	75,000	75, 000. 00	49, 166. 60	42, 916. 67	36, 333. 28	30, 000. 00	30, 000. 00	30, 000. 00	30, 000. 00	
D. P. Davies, vice president: Salary Other compensation.	15,000 1,500	15,000	15,000.00	14, 750. 00	12, 875. 00	11, 166. 64	9, 999. 84	10,000.00	10, 000. 00	9, 999. 84	
Total	16, 500	20,000	17, 500.00	14, 750.00	12, 875. 00	11, 166. 64	9, 999, 84	10, 000. 00	10, 000. 00	13, 499, 84	
E. J. Gittins, vice president: Salary Other compensation	25,000	25,000	25, 000. 00 10, 000. 00	24, 583. 20	21, 458. 33	18, 333. 30	15, 000. 00	15, 000. 00	10, 325, 00		
Total	30,000	35,000	35, 000. 00	24, 583. 20	21, 458, 33	18, 333. 30	15,000.00	15,000.00	10, 325, 00		
W. B. Brinton, vice president: Salary.	1, 200	1, 200	1, 200.00	1, 200. 00	1, 000. 00	90.009	600.00	600.00	600.00	650.00	
Total	1,200	1,200	1, 200.00	1, 200.00	1,000.00	600.00	- 600.00	600.00	600.00	.650.00	
E. E. Russell, vice president: Salary Other compensation	10,000	10,000	10, 000. 00	10, 000. 00	10, 000. 00	9,008.20	7, 800. 00	7, 800. 00	7, 800. 00	7, 800.00	-
Total	11,000	11, 500	11,000.00	10, 000.00	10, 000.00	9, 008. 20	7, 800.00	7,800.00	7, 800.00	8, 386, 50	
W. L. Clark, vice president: Salary Other compensation					1 1	1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15, 999. 84	15, 999. 90	16,000.00	15, 999. 84 9, 500. 00	
Total							15, 999. 84	15, 999. 90	16,000.00	25, 499. 84	
H. H. Biggert, vice president: Salary Other compensation	11, 250	20,000	20,000.00	19, 666. 60	17. 166. 60	14, 833. 24	12, 999. 84	13,000.00	13, 833, 24	15, 000. 00 4, 500. 00	
Total	11, 250	30,000	25,000.00	19, 666. 60	17, 166. 60	14, 833. 24	12, 999, 84	13,000.00	13, 833, 24	19, 500. 00	

14, 500. 00 7, 000. 00	21, 500.00	9, 666. 52	13, 166. 52	103, 616, 20 28, 586, 50	132, 202. 70
12, 000. 00	12, 000. 00	8, 000. 00	8, 000. 00	108, 558. 24	108, 553. 24
12, 000. 00	12, 000. 00	8, 000. 00	8, 000.00	112, 399. 90	112, 399. 90
12, 000. 00	12, 000. 00	7, 999. 92	7, 999. 92	112, 399. 44	112, 399. 44
12, 687. 50	12, 687. 50	8, 458. 32	8, 458. 32	111, 420. 48	111, 420. 48
13, 500.00	13, 500. 00	9, 000. 00	9, 000. 00	127, 916. 60	143, 949. 60 127, 916. 60 111, 420. 48 112, 399. 44 112, 399. 90
14, 750.00	14, 750.00	9, 833. 20	9, 833. 20	143, 949. 60	143, 949. 60
15, 000. 00 7, 500. 00	22, 500.00	9, 412. 57 3, 000. 00	12, 412. 57	145, 612. 57 54, 000. 00	199, 612. 57
15,000	22, 500	85		136, 200 59, 000	195, 200
12, 375	15, 375			124, 825 10, 500	135, 325
Theodore Johnson, secretary: Salary Other compensation	Total	H. P. Howell, treasurer: Salary Other compensation.	Total	Total salaries. Total other compensation.	Total



$${\rm Part}$\ V$$ INVESTMENTS, PROFITS, AND RATES OF RETURN FOR CEMENT COMPANIES

17963



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INVESTMENTS, PROFITS, AND RATES OF RETURN FOR CEMENT COMPANIES

This report deals with the operating results of a representative group of 18 cement companies which had 59 percent of the country's total cement producing capacity in 1938. It is estimated that altogether there are about 90 companies in the cement-producing industry. However, seven of the larger companies account for 45 percent of the total capacity. This concentration has come about through consolidations, mergers, and acquisitions of competing companies. The 7 largest companies, as well as several of the smallest companies and a number of medium-sized companies, are included in the 18 companies. The larger companies operate chains of plants of varying productive capacity in various sections of the country. The plants of the other companies are likewise scattered throughout the country so that all 18 companies operate in practically every State. The 18 companies are as follows:

Aetna Portland Cement Co. Alpha Portland Cement Co. Great Lakes Portland Cement Co. Huron Portland Cement Co. Ideal Portland Cement Co. Lawrence Portland Cement Co. Lehigh Portland Cement Co. Lone Star Cement Corporation. Marquette Cement Manufacturing Co. Medusa Portland Cement Co. Missouri Portland Cement Co. Nazareth Cement Co. North American Cement Co. Oregon Portland Cement Co. Pennsylvania-Dixie Cement Corporation. Riverside Cement Co. Superior Portland Cement, Inc. Universal-Atlas Cement Co.

All of these companies or their subsidiaries, and other members of the Cement Institute, were charged with certain monopolistic practices by the Federal Trade Commission in a complaint served July 2, 1937. The charges of the Commission in that complaint are summarized in the following sentence quoted from the complaint:

"For more than 8 years last past, respondents have maintained and now have in effect a combination among themselves to hinder, lessen, restrict, and restrain competition in price, among producing respondents in the course of their afore-

said commerce among the States."

In the past, certain trade practices in the industry have also been the subject of investigation by the Federal Trade Commission, which are set forth in two reports, viz., Price Bases Inquiry, The Basing-Point Formula and Cement Prices 1932, and Cement Industry, 1933. These reports deal largely with cement prices, including uniformity and inflexibility of delivered prices and pricing policies.

The present study deals only with the financial aspects of the industry as reflected by the operations of the 18 companies, or their predecessors, covering a 20-year period from 1917 to 1936, inclusive. Except for one company, the financial information for all companies or their predecessors is available throughout the 20-year period. Such information, which is the basis for this report, was obtained from the files of the Income Tax Unit of the Bureau of Internal Revenue except in some instances when published reports were used largely because of the inability to obtain information on a consolidated basis from tax returns for some companies and their subsidiaries in the later years. Under the provisions of the Revenue Act of 1934, such holding companies and their subsidiaries could no longer file consolidated returns as a basis for tax payment but were required to file separate tax returns.

Since the information was obtained primarily from the tax returns of the individual companies, the data are presented in such a manner as to avoid disclosure with respect to any company in view of the regulations of the Treasury

Department governing the publicity of returns.

Rates of return on invested capital have been computed on two bases, namely the stockholders' investment and common stockholders' equity, after deducting appreciation. The stockholders' investment consists of common and preferred stocks and surplus and the common stockholders' equity consists of common stock and surplus. On each basis, the investments were averaged as of the beginning and end of each year, after eliminating appreciation.

The profits used in computing rates of return on investments represent the taxable net income, as finally determined by the Bureau of Internal Revenue, in all cases where tax returns were used. In those instances where the basic information was obtained from published reports, the net income as reported by the com-

panies in such reports, before provisions for Federal taxes, was used.

Table 1, which follows, summarizes the investments, profits, and rates of return for all companies under review as a group for the years 1917–36 on the basis of the stockholders' investment and on the basiss of the common stockholders' equity. The companies for which the information is presented range in number from 28 in 1917 down to 18 in 1936. The larger number of companies in the earlier years includes those companies acquired by merger or consolidation during the 1920's by a number of the 18 companies.

Table 1.—Investments, profits, and rates of return on stockholders' investment and common stockholders' equity for cement companies, 1917-36

	N	Invest	Investments 1		ts 2 appli-	Rate of return on—			
Year	Year of companies Stock-holders' invest-ment		Common stock- holders' equity	Stock- holders' invest- ment	Common stock- holders' equity	Stock- holders' invest- ment	Common stock- holders' equity		
1917	28 28 24 24 25 25 25 26 21 22 22 22 19 18 18 18	\$104, 608, 687 108, 546, 048 118, 538, 175 133, 952, 013 144, 319, 698 151, 186, 438 171, 443, 899 196, 669, 943 222, 983, 645 248, 953, 617, 594 263, 607, 594 267, 353, 813 269, 996, 548 249, 216, 148 249, 216, 148 249, 216, 148 214, 735, 815 194, 234, 472 179, 677, 026 184, 314, 551 173, 330, 985 170, 471, 267	\$90, 438, 587 94, 506, 778 104, 503, 885 121, 062, 964 132, 917, 239 137, 064, 569 154, 914, 897, 656 196, 489, 686 207, 341, 427 216, 823, 100 214, 036, 162 210, 559, 647 191, 903, 644 158, 704, 913 141, 130, 621 142, 1668 140, 667, 192 134, 191, 443 134, 879, 005	\$15, 013, 684 10, 279, 946 115, 010, 091 17, 227, 511 11, 060, 256 21, 492, 879 42, 933, 117 42, 923, 059 45, 433, 381 41, 479, 149 34, 647, 571 27, 659, 265 22, 537, 526 25, 067, 678 31, 623, 999 4, 658, 830 123, 451 18, 835, 349	\$14, 249, 920 9, 448, 382 14, 125, 639 16, 234, 137 10, 288, 699 20, 721, 265 41, 949, 457 41, 767, 760 43, 425, 694 41, 767, 760 43, 425, 694 27, 674, 905 24, 049, 403 17, 552, 536 37, 199, 751 3, 110, 296 2884, 255 17, 521, 470	Percent 14. 35 9. 47 12. 66 12. 86 17. 86 18. 86 19. 87 19. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	Percent 15, 76 10.00 13, 525 13, 41 7, 74 15, 12 27, 08 23, 22 22, 10 18, 74 14, 53 12, 93 11, 42 13, 4, 65 3 12, 44 35, 45 2, 21 1, 70 12, 99		
Annual average		188, 407, 014	154, 712, 804	18, 830, 771	17, 085, 467	9. 99	11.04		

¹ Investments averaged at beginning and end of year, after deducting appreciation.

2 Net profit before deducting Federal income tax.

3 Denotes loss.

The table shows that during the 20-year period the average annual rate of return for the companies as a group was approximately 10 percent on the stockholders' investment and 11 percent on the common stockholders' equity. Except for the depression years when losses were sustained which reduced the averages for the period, high returns were earned in most years.

During the first 6 years, 1917–22, the highest return was 14.35 percent in 1917 and the lowest was 7.66 percent in 1921, on the basis of the stockholders' investment. During these years, returns approaching those of 1917 were earned in 1919, 1920, and 1922.

During the next 8 years, 1923-30, the highest return was earned in 1923 and the lowest in 1930 on the same basis of investment. In 1923, the return was slightly over 25 percent and in 1930 it was slightly over 9 percent. During these years, returns exceeding 20 percent were earned in 1924 and 1925, and in the part 4 years they ranged from over 10 percent to more than 16 percent.

years, returns exceeding 20 percent were earned in 1924 and 1925, and in the next 4 years they ranged from over 10 percent to more than 16 percent.

During the next 3 years, 1931-33, losses equivalent to 2.36 percent, 8.04 percent, and 3.30 percent, respectively, were sustained on the stockholders' investment. On this basis of investment, profits were again earned in the following years equivalent to 2.53 percent in 1934, 0.07 percent in 1935, and 11.05 percent in 1936. The return for 1936, it will be noted, compares favorably with the re-

turns for the predepression years.

Prior to 1931, the first year in which losses were sustained, the average return on the stockholders' investment during the years under review was 14.32 percent as compared with a loss of 0.27 percent for the later years. Likewise, during the years 1917–30, the average return on the common stockholders' equity was 15.72 percent as compared with a loss of 1.47 percent for the years 1931–36. Throughout, the trend in rates of return on the common stockholders' equity followed closely those applicable to the stockholders' equity, except that during profitable years the returns were higher and during unprofitable years the losses were greater. The slightly higher average return on the common stockholders' equity than the for stockholders' investment is accounted for by the fact that the margin of capital represented by preferred stock produced earnings in excess of the dividends paid or accrued thereon.

Because of the inability to segregate interest on long-term debt from the total charges for all interest payments reported on tax returns, it was not practicable to compute rates of return on the total investment including long-term debt. However, it appears that the proportion of long-term debt to the total capitalization was not large so that the average return on the total investment would not be materially lower than the average return on the stockholders' investment.

As previously stated, the amounts for stockholders' investment and common stockholders' equity used in computing rates of return excluded appreciation. Most of the appreciation was recorded during the years 1925-29 as the result of reorganizations, mergers, and consolidations of some of the companies under review. The aggregate amount of appreciation which was deducted from the investments under review ranged from \$12,734,344 in 1917 to \$16,793,766 in 1924, to \$48,952,389 in 1926 to \$52,401,690 in 1929 and to \$49,989,789 in 1936. Since the appreciation was generally recorded in the plant and property accounts, some of it may have been removed as property was retired from service. could not be determined in the absence of an examination of the books and records of the respective companies. To whatever extent appreciation may have been written off, is reflected in understatement of the investment bases with slightly overstated rates of return. However, the failure to adjust for any appreciation which may have been eliminated through retirements does not materially affect the rates of return. This is evident from the fact that if returns had been computed on investment, including all appreciation, the average return on the stockholders' investment for the 20-year period would only be 1.6 percent lower than the average computed return of 10 percent, and the common stockholders' equity would only be 2.08 percent lower than the computed return of 11 percent.

Tables 2 and 3, which follow, show the rates of return for individual companies and their predecessors for each of the years 1917-36 on the basis of the stockholders' investment and on the basis of the common stockholders' equity. The

names of the companies are omitted to avoid disclosure of identity.

It has been explained that the companies for which rates of return were computed range in number from 28 in 1917 down to 18 in 1936 and that the larger number of companies in the earlier years includes companies acquired by merger or consolidation during the 1920's by a number of the 18 companies. In the succeeding tables, all such predecessor companies have been grouped according to their present affiliation in order to show comparative returns for each company and its predecessors during each of the years 1917 to 1936, inclusive.

Table 2.—Rates of return on stockholders' invested capital for 18 cement companies and their predecessors, 1917-36

Company number	1917 per- cent	1918 per- cent	1919 per- cent	1920 per- cent	1921 per- cent	1922 per- cent	1923 per- cent	1924 per- cent	1925 per- cent	po	r- per-
122		0. 92	16. 39	17. 77	31. 42	19. 47	26. 19	20. 84	28. 9	9 14	. 77 15. 21
34	12. 40	10. 60 7. 25	12. 20 10. 75	13. 16 6. 86	10. 87 7. 72	28. 14 13. 34	39. 50 23. 13	28. 26 19. 18	27. 0 20. 3		. 63 20. 73 . 25 7. 04
5	11. 54 19. 28	6. 64 12. 37	11. 14 21. 14	6.78 17.35	2. 43 12. 63	3. 01 23. 85	19. 99 39. 79	21. 53 38. 65		4 30 2 40	. 40 26. 19 . 02 30. 08
8	28.42	6. 45 15. 78 3. 49	1.50 11.81 10.85	25. 23 24. 31 4. 12	8. 93 12. 64 1 2. 72	32. 86 20. 17	43.83 22.71 20.12	36. 65 21. 76 18. 56	29. 5	9 24	. 50 46. 13 . 75 21. 01 . 21 11. 37
9 10 11	13.64	9.80 8.22	10.85 11.15 12.23		4. 06 3. 32	8. 87 7. 48	20, 12 21, 75 21, 05	19. 79 24. 89	16. 6 15. 4	0 12	. 94 9. 59 . 83 9. 65
12	16.13		1. 60 17. 68	9. 92 28. 54	17. 24 21. 91	27.06 43.93	39. 28 53. 88	31. 76 23. 68	29. 1 19. 1	5 17	. 27 20. 96
14	_ 11. 94	10. 20 8. 89 8. 41	17. 20 6. 94 12. 95		10. 33 6. 89 5. 10	19. 52 6. 83 11. 58	32. 45 16. 07 20. 95	24. 76 16. 66 19. 62	19. 7	6 15	. 50 12.60 . 18 11.71 . 56 12.08
17	7. 43	7. 55 11. 17	7. 86 12. 72	10.50	7. 33 9. 00	7. 52 15. 49	13. 15	17. 57 16. 41	16. 7 14. 8	3 14	. 24 10. 51 . 97 16. 32
Average	14. 35	9. 47	12. 66	12.86	7. 66	14. 22	25. 04	21. 82	20. 3	8 16	. 66 13. 14
					1						
Company number	1928 per- cent	1929 per- cent	1930 per- cent	1931 per- cent	1932 per- cent	193 per cen	- pe	r- pe	r- p	936 er-	Annual average percent
	per- cent	per- cent	per- cent	per- cent	per- cent	per	t cer	r- pe	r- p	er- ent	average percent
123	per- cent 7.84	per- cent 9.84	per- cent 9. 68	per- cent	per- cent	per cen	t cer	r- pe it cei	r- p	er- ent 6. 79	average percent 6.81
1 2 2 3 4	7.84 17.94 13.07	9. 84 22. 32 7. 02	9. 68 24. 80 8. 44	4.06	per- cent	per cen 22 17.	t cer 11 1 4. 40 7.	r- pe cer 89 1 5.	r- prit co	er- ent	6. 81 -14. 98 7. 80
1	7.84	9. 84 22. 32 7. 02 32. 43 6. 60	9. 68 24. 80 8. 44 17. 20 11. 59 10. 23	per- cent 4.06	per- cent	per cen 22 17. 3 6. 7 13. 11 119.	11 1 4. 40 7. 71 1. 58 1 1.	89 1 5. 52 3. 17 .	r- prit co	er- ent 6. 79 5. 05	6. 81
1 2 7	7.84 17.94 13.07 11.85 22.58 48.10 19.74 9.65	9. 84 22. 32 7. 02 32. 43 6. 60 21. 20 17. 73 6. 30	9. 68 24. 80 8. 44 17. 20 11. 59 10. 23 10. 80 9. 56	2.81 1 2.83 1 55. 37 1 8. 38 8. 00 1 5. 29 1 5. 30	per- cent 1 12. 2 1 11. 5 1 5. 6 1 20. 4 1 15. 2 1 7. 9 1 13. 2	per cen 22 17. 3 6. 37 13. 11 119. 9 3. 14 15. 13 12.	11 1 4. 40 7. 71 1. 58 11. 95 15. 48 1. 75 1.	89 1 5. 52 3. 17 . 47 1 2. 31 9. 11 1. 53 1 3.	r- protect of the second secon	6. 79 5. 05 6. 12 9. 16 4. 30 7. 67 4. 99	6. 81
1 2 2 3	7. 84 17. 94 13. 07 11. 85 22. 58 48. 10 19. 74 9. 65 9. 02 4. 49	9. 84 22. 32 7. 02 32. 43 6. 60 21. 20 17. 73 6. 30 5. 41 8. 24	9. 68 24. 80 8. 44 17. 20 11. 59 10. 23 10. 80 9. 56 3. 92 8. 66	2.81 1.2.83 1.55.37 1.8.36 8.00 1.5.29 1.5.34 1.2.21	per- cent 1 12. 2 1 11. 5 3 1 5. 6 7 1 20. 4 1 15. 2 1 1 1. 5 1 1 2. 6 1 1 2. 6 1 1 3. 6 1 1 5. 4	per cen 22 17. 3 6. 7 13. 11 19. 9 3. 14 15. 13 12. 17 11.	11 1 4. 40 7. 71 1. 58 1 1. 95 15. 48 1. 75 1. 63 2. 46 1.	89 1 5. 52 3. 17 . 47 1 2. 31 9. 11 1. 53 1 3. 39 1 4. 52 1 6.	r- prot ceed 41 1 (6 86 142 (6 88 22 9 30 12 14 14 14 14 14 14 14 14 14 14 14 14 14	6. 79 5. 05 6. 12 9. 16 4. 30 7. 67 4. 99 6. 66 1. 54	8 verage percent 6.81 14.98 7.80 9.02 15.63 22.67 10.82 4.56 7.28 5.88
1	7. 84 17. 94 13. 07 11. 85 22. 58 48. 10 19. 74 9. 65 9. 02	9. 84 22. 32 7. 02 32. 43 6. 60 21. 20 17. 73 6. 30 5. 41 8. 24 15. 78	9. 68 24. 80 8. 44 17. 20 11. 59 10. 23 10. 80 9. 56 3. 92 8. 66 14. 82 4. 46 11. 39	2.81 1.2.83 1.55.33 1.8.34 8.00 1.5.24 1.5.31 1.44 1.2.21 1.6.81 1.55 1.2.25	per- cent 1 12. 2 1 11. 5 1 12. 0 1 15. 2 1 17. 9 1 13. 2 1 14. 6 1 15. 4 2 . 8 7	per cen 22 17. 3 6. 17 13. 11 19. 99 3. 14 15. 13 12. 17 11. 18 19. 19 15. 19 17 11. 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	- pe cer 11 1 4. 40 7. 71 1. 58 1 1. 95 15. 48 1. 75 1. 63 2. 46 1. 16 4. 30 6. 85 2.	89 1 5. 52 3. 17 47 1 2. 31 9. 11 1. 53 1 3. 39 1 4. 52 1 6. 00 10. 25 1 9	7- prit con 41 1 (42 1 1 (42 1 1 1 (42 1 1 1 (42 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er- ent 5. 79 5. 05 6. 12 9. 16 4. 30 7. 4. 99 6. 66 1. 54 1. 16 0. 02 8. 92	average percent 6. 81 14. 98 7. 80 9. 02 15. 63 22. 67 10. 82 4. 56 7. 28 5. 88 12. 07 15. 02 13. 323
1 27 3 4 4 5 5 6 7 7 8 9 9 10 11 12 12 13 14 15 16 6 16 16 16 16 16 16 16 16 16 16 16 1	7. 84 17. 94 13. 07 11. 85 22. 58 48. 10 19. 74 9. 65 9. 02 4. 49 8. 89 21. 82 9. 19 15. 48	9. 84 22. 32 7. 02 32. 43 6. 60 21. 20 17. 73 6. 30 5. 41 8. 24 15. 78 15. 14 12. 09 9. 39 9. 39 7. 51	9. 68 24. 80 8. 44 17. 20 11. 59 10. 23 10. 80 9. 56 3. 92 8. 66 14. 82 4. 46 11. 39 6. 03 5. 33	2.83 1.2.83 1.55.37 1.8.36 8.00 1.5.22 1.5.30 1.44 1.2.22 1.6.88 1.5.21 1.0.33 1.1.31	per-cent 1 12. 2 1 11. 5 3 1 5. 6 7 1 20. 4 1 7. 9 1 13. 2 1 4. 6 2 8. 3 1 10. 9 1 7. 9 1 1 20. 3 1 1 0. 9 1 7. 9 1 1 20. 3 1 1 0. 9 1 7. 9	per cen 22 1 7. 3 6. 77 1 3. 44 1 5. 33 1 2. 77 1 1. 14 1 9. 33 1 6. 11 1 1 2.	t per cer cer cer cer cer cer cer cer cer c	89 1 5. 52 3. 17 1. 1. 1. 1. 1. 1.	7- prit cc 41 1 (6. 79 5. 05 6. 12 9. 16 4. 30 7. 67 4. 99 6. 66 1. 54 11. 16 0. 02 8. 92 0. 86 8. 03	6.81
1 2 7 3 4 5 5 6 5 7 7 8 8 9 9 10 11 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	7. 84 13. 07 11. 85 22. 58 48. 10 19. 74 9. 65 9. 02 4. 49 8. 89 21. 82 9. 19 15. 48	9. 84 	9. 68 24. 80 8. 44 17. 20 11. 59 10. 23 10. 80 9. 56 3. 92 8. 66 14. 82 4. 46 11. 39 6. 03	2.81 1.2.83 1.55.33 1.8.36 8.00 1.5.29 1.5.30 1.4.12 1.5.30 1.5.30 1.1.20 1.5.30 1	per-cent 1 12. 2 1 11. 5 1 12. 2 1 11. 5. 6 1 120. 4 1 15. 2 1 13. 2 1 14. 6 1 15. 4 2 . 8 7	per cen 2	t per cer cer cer cer cer cer cer cer cer c	89 1 5. 52 3. 17 	7- prit ce 41 1 (42 42 42 42 42 42 42 42 42 42 42 42 42 4	6. 79 5. 05 6. 12 9. 16 4. 30 7. 67 4. 99 6. 66 1. 54 1. 16 0. 02 8. 92 0. 86	8 verage percent 6. 81 14. 98 7. 80 9. 02 15. 63 22. 67 10. 82 4. 56 6 7. 28 5. 88 12. 07 15. 02 13. 23 7. 79

¹ Indicates loss.
² For the reason that this company was not in operation during all of the years, 1917–36, its rates of return are omitted in order to avoid disclosure of identity. However, the results of its operations are reflected in the annual averages for the 18 companies as a group.

Table 3.—Rates of return on common stockholders' equity for 18 cement companies and their predecessors, 1917-36

and their production, 1011 00											
Company No.	1917	191	8 1919	9 192	0 1921	1922	1923	1924	1925	1926	1927
1	Per- cent 0.56	Per cen 0.9	t cen	t cen	t cent	Per- cent 19.47	Per- cent 26. 19	Per- cent 20. 84	Per- cent 28. 99	Per- cent 14. 77	Per- cent 15 21
3	9. 64 9. 15 24. 66 3. 11 41. 06 3. 49 13. 64 17. 15 1 6.13 13. 69 17. 62 12. 40 11. 34 16. 99	10. 6 7. 2 4. 3 14. 2 6. 4 20. 2 3. 4 9. 8 16. 9 1 1.7 12. 9 10. 4 9. 0 8. 9 13. 6 11. 1	10, 78 10, 78 10, 68 10, 68 10, 68 11, 13, 99 10, 88 10, 11, 13 11, 14, 18, 28 11, 14, 18, 28 12, 16, 93 15, 14, 10, 50	5 6.8 4.8 4.8 7 21.9 25.2 20 31.2 25.5 4.1 12.4 4.5 5.5 31.7 9.9 28.5 5.3 12.2 10.3 12.2 10.3 12.2 10.3 12.3 12.2 10.3 12.3 12.3 12.3 12.3 12.3 12.3 13.3	6 7.72 3 14.86 3 8.93 14.58 2 14.58 2 12.72 1 4.06 1 4.38 2 17.24 4 21.91 9 10.53 6 6.88 6 6.88 7 7.59	13. 34 37 30. 41 32. 86 24. 15 .30 8. 87 12. 42 27. 06 43. 93 29. 40 6. 82 12. 23 7. 59 15. 49	23. 13 29. 24 50. 07 43. 83 26. 51 20. 12 21. 75 31. 23 39. 28 53. 88 34. 04 12. 69 13. 94 15. 62	19. 18 29. 97 45. 70 36. 65 24. 59 18. 56 19. 79 28. 09 31. 76 23. 68 25. 66 17. 05 21. 10 19. 46 16. 41	20. 39 44. 01 30. 98 32. 94 20. 60 16. 60 16. 97 29. 17 19. 15 21. 32 20 22 20 22 19. 88 21. 03 15. 30	\$1. 97 16. 25 	41. 69 7. 04 46. 13 22. 40 11. 37 9. 59 9. 65 12. 43 20. 96 12. 80 11. 86 12. 57 12. 04 28. 11
A verage	15.76	10. 0	0 13. 52	2 13. 4	7.74	15. 12	27.08	23. 22	22. 10	18.74	14. 53
Company No.		1928	1929	1930	1931	1932	1933	1934	1935	1936	An- nual aver- age
1		Per cent 7.84	Per- cent 9.84	Per- cent 9.68	Per- cent 4.06	Per- cent 1 12.22	Per- cent 1 7.11	Per- cent 1 4.89	Per- cent 1 5.41	Per- cent 1 6.79	Per- cent 6.81
2 2 3	1	3. 07	36. 69 7. 02	39. 52 8. 44	. 67 ! 2. 83	25.28 1 5.67	7.30 1 3.71	8.79	1.94	22. 90 6. 12	24. 15 7. 80
6. 7	4	8. 10 0. 88 9. 65 7. 70 4. 66 8. 89 4. 55 9. 26 5. 75 2. 16	18. 60 6. 30 4. 38 8. 45 15. 78 12. 33 9. 43 7. 55 9. 39	10. 23 11. 09 9. 56 1. 90 8. 89 14. 82 11. 39 6. 14 5. 19 10. 87 17. 45	1 5, 31 1 3, 54 16, 89	15. 29 1 9. 28 1 13.23 1 11.46 1 6. 79 2. 83 1 28.34 1 11.44 1 9. 37 1 1. 92 . 36	3. 95 1 6.72 1 2.75 1 4.62 1 2.86 1 1.16 1 9.85 1 7.13 1 4.74 1 1.58 5. 07	15. 31 1. 88 1. 53 1. 77 1. 60 4. 00 2. 19 2. 16 1. 1.82 3. 37 12. 72	9. 88 1 1.09 1 3.30 1 7.97 1 7.69 10. 07 . 67 1 2.55 1 2.45 4.43 15. 68	24. 30 8. 07 4. 99 8. 13 1 7.81 11. 16 18. 92 11. 05 8. 03 9. 99 34. 17	22. 67 11. 35 4. 56 7. 55 6. 55 12. 07 31. 03 13. 51 7. 25 9. 12 15. 98
A verage	-			10. 32		12.44	1 5.45	2. 21	1.70	12.99	11.04

 $^{^{-1}}$ Indicates loss. $^{-2}$ For the reason that this company was not in operation during all of the years, 1917–36, its rates of return are omitted in order to avoid disclosure of identity. However, the results of its operations are reflected in the annual averages for the 18 companies as a group.

Tables 2 and 3 show that on the average substantial returns were earned by each of the 17 companies and their predecessors, despite losses sustained during the depression years. On the basis of stockholders' investment, the lowest average return earned by any company during the 20-year period was 4.56 percent and the highest return was 22.67 percent. In addition, 4 other companies each earned returns of approximately 15 percent per annum; 4 earned from 9 to over 13 percent; and 7 earned from nearly 6 percent to 8½ percent. As a group all companies earned an average return of about 10 percent. On the basis of the common stockholders' equity, the respective returns were higher, averaging just over 11 percent for all companies under review during the 20-year period.

While there is substantial variation in the returns of the respective companies and their predecessors, the returns are quite comparable when the companies are grouped according to size. On the basis of plant capacity, the 18 companies represented 59 percent of the plant capacity for the industry in 1938. Each of 3 of the 18 companies represented over 5 percent of the total capacity for the industry; 4 represented from 3 to 5 percent each; 6 represented from 1 to 3 percent each; and 5 represented under 1 percent each. According to this grouping, the two groups of medium-sized companies earned higher average returns than either of the other two groups, followed by the group of largest companies. The average returns earned by each group during the 20-year period, 1917–36, are as follows:

Average annual rates of return, 1917-36

	On stock- holders' invest- ment	On com- mon stock- holders' equity
Group 1. 3 companies each with over 5 percent of total plant capacity. Group 2. 4 companies each with from 3 to 5 percent of total plant capacity. Group 8. 6 companies each with from 1 to 3 percent of total plant capacity. Group 4. 5 companies each with under 1 percent of total plant capacity.	Percent 9.71 10.65 10.43 8.26	Ретсепт 10. 19 12. 57 12. 53 8. 73
All groups with 59 percent of total plant capacity in 1938.	9. 99	11.04

The annual rates of return on the stockholders' investment and the common stockholders' equity for each year from 1917 to 1936, inclusive, for each of the groups of companies classified by size of plant capacity are shown in table 4, which follows:

United States' plant capacity 255,697,000 barrels. P. 263 of November 1939, issue of Concrete,

Table 4.—Rates of return on stockholders' investment and common stockholders' equity for 18 cement companies and their predecessors, grouped according to size of plant capacity, 1917-36

of plant capacity, 1917–36					
	Rat	tes of return	on stockhold	ers' investme	ent
Year	Group of 3 companies each with over 5 per- cent of total capacity	Group of 4 companies each with from 3 to 5 percent of total capacity	Group of 6 companies each with from 1 to 3 percent of total capacity	Group of 5 companies each with less than 1 percent of total capacity	All groups with 59 per- cent of total capacity
1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1931. 1932. 1933. 1934. 1936. Average.	Percent 13. 89 9. 66 13. 20 12. 44 7. 28 13. 37 25. 31 21. 75 18. 44 15. 13 11. 05 9. 04 9. 12 7. 98 2. 1. 45 2. 73 2. 2. 73 2. 2. 73 2. 2. 73 2. 2. 9. 64	Percent 18. 47 10. 21 12. 72 12. 94 7. 62 13. 37 20. 74 20. 89 21. 31 18. 48 15. 55 16. 04 9. 97 4. 00 28. 2. 73 24. 48 2. 75 2. 28 16. 08	Percent 12. 30 8. 90 12. 03 12. 47 8. 45 17. 62 30. 47 22. 08 24. 47 21. 91 15. 95 15. 66 13. 82 2 . 90 2 . 9. 3 3 . 01 2 . 41 2 . 84 11. 82 9 . 46	Percent 3. 23 5. 56 8. 23 18. 37 9. 44 16. 97 20. 07 28. 40 23. 11 8. 91 15. 06 11. 85 10. 26 8. 77 2. 39 2. 68 2. 30 7. 70 8. 26	Percent 14. 35 9. 47 12. 66 12. 86 7. 66 14. 22 25. 0 21. 83 20. 38 16. 66 13. 14 11. 19 10. 22 9. 0 2 3. 3 2. 55 . 0 11. 0 9. 9. 9
	Rate	s of return or	common sto	ockholders' e	quity
Year	Group of 3 companies each with over 5 percent of total capacity	Group of 4 companies each with from 3 to 5 percent of total capacity	Group of 6 companies each with from 1 to 3 percent of total capacity	Group of 5 companies each with less than 1 percent of total capacity	All groups with 59 per cent of tota capacity
1917. 1918. 1919. 1920. 1920. 1921. 1922. 1923. 1924. 1925. 1927. 1928. 1929. 1929. 1930. 1931. 1931. 1932. 1933. 1931. 1932. 1933. 1934. 1936.	12. 72 7. 30 13. 68 26. 14 22. 44 19. 37 15. 92 11. 41 8. 77 9. 61 8. 19 9. 3. 80 9. 11. 45 2. 56 2. 10. 59	Percent 20, 26 10, 66 13, 51 13, 65 7, 68 13, 99 21, 94 21, 98 23, 10 24, 52 21, 21 20, 16 11, 54 11, 54 11, 54 2, 5, 98 12, 28 2, 6, 95 3, 45 3, 14 22, 88	Percent 12. 24 8. 80 12. 24 12. 70 8. 33 20. 87 39. 04 26. 53 30. 30 27. 31 19. 24 20. 75 19. 11 15. 93 16. 99 18. 63 27. 16 37. 16 37. 16 37. 55, 12	Percent 4.56 7.01 10.62 24.08 11.84 21.97 35.09 30.05 24.12 8.91 15.06 12.11 10.44 8.86 10.79 16.15 2.86 9.99 1.32 6.84	Percent 15.7 10.0 13.5 13.4 7.7 15.1 27.0 23.2 22.2 118.7 14.5 12.9 11.4 10.3 14.6 22.2 2.7 12.9
Average	10. 19	12. 57	12. 53	8.73	11.0

 $^{^{\}rm I}$ Based on 1938 plant capacity for the industry aggregating 255,697,000 barrels. $^{\rm I}$ Indicates loss.



$$\operatorname{Part}$$ VI INVESTMENTS, PROFITS, AND RATES OF RETURN FOR RAYON COMPANIES

17975



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INVESTMENTS, PROFITS, AND RATES OF RETURN FOR RAYON COMPANIES

Introduction

This report contains a brief history of the rayon industry, including certain statistical data on the quantities of rayon produced and consumed, together with the price trends of rayon textile fiber and competitive fibers such as cotton, wool, and silk, and deals with the operating results of eight of the principal rayon yarn and rayon staple fiber producing companies. The operations of these eight companies are to some extent correlated to the general historical information pertaining to the entire industry. In connection with the financial information presented for these eight companies there are given the trends of investments, profits, rates of return, and other statistical data for all eight companies combined and for each of the eight companies, from 1915 to 1938, inclusive. The eight companies are as follows:

American Viscose Corporation.
E. I. du Pont de Nemours & Co. (rayon department).
Celanese Corporation of America.
Industrial Rayon Corporation.
The American Enka Corporation.
North American Rayon Corporation.
Tubize-Chatillon Corporation.
American Bemberg Corporation.

American Viscose Corporation had a monopoly of the rayon business in this country prior to 1920, through control of patents on maufacturing processes. After the expiration of these patents other companies entered the field so that in 1938 there were 29 rayon yarn and staple fiber producers. However, these 8

companies produced the bulk of the rayon in this country.

There was a remarkable growth in the production of rayon yarn and staple fiber. The last year that American Viscose Corporation was the sole producer was 1919, when slightly over 8,000,000 pounds were produced. Thereafter, the domestic production increased rather consistently to 342,000,000 pounds in 1937 and decreased to about 288,000,000 pounds in 1938. Although other companies entering the field have accounted for a substantial portion of the increase, American Viscose Corporation remained the principal producer. Its proportion of the total had decreased from time to time to 30 percent of the domestic production in 1938.

In 1938, the eight companies produced 91 percent of the total United States production of rayon yarn and staple fiber by the viscose, cuprammonium, and acetate processes. These three processes are the only ones used in the production of rayon. In that year, three of the eight companies produced 67 percent of the total production. Considering the rayon yarn separately from the staple fiber it appears that only four of the eight companies used the acetate process and those four accounted for 90 percent of the total rayon yarn produced by the acetate process. Seven of the eight companies produced rayon yarn either by the viscose or cuprammonium process and these seven companies accounted for 92 percent of the total production of rayon yarn by these processes. Only three of these eight companies produced rayon staple fiber but these three accounted for 88 percent of the total production of rayon staple fiber but these three accounted for 88 percent of the total production of rayon stable fiber in 1938.

HISTORY OF RAYON

Rayon is a synthetic textile fiber that for many years was referred to as artificial silk, whose basic raw material is cellulose. The principal commercial sources of cellulose are spruce, western hemlock, and cotton linters, although it may be obtained from many other less economical sources. Rayon is produced by chemical and mechanical processes which make a fine filament that is spun into yarns suitable for weaving into many kinds of fabrics.

The history of experiments in the manufacture of textile fiber extends back to 1735, when a French scientist named Reamur developed a process whereby a solution, that was forced through a small orifice, coagulated to form a thread. His solution was made from gums and resins. It was not until 1855 that Audemars, a Swiss chemist, first used dissolved cellulose to produce fine threads. ever, Count Hilaire de Chardonnet is acclaimed the original discoverer of rayon as he received a patent from the French Government November 11, 1884, after years of research, covering his process of producing artificial silk. He used a nitro cellulose solution that was produced from bleached cotton linters by the action of a mixture of nitric and sulfuric acids. The solution was forced through a small glass orifice into water which hardened the threadlike fiber. In 1890-capitalists provided funds to build the first factory for commercial production This process was known as the nitrocellulose process, but has of artificial silk. now been entirely supplanted by other processes in this country, although it was used quite extensively prior to 1934.

The cuprammonium process was being developed about the same time as the nitro cellulose process. The cuprammonium process involved the dissolving of cellulose in an alkaline copper reagent. 'In connection with this process a spinnerette was used to stretch the filaments, thereby producing for the first time a

thread finer than silk.

The most widely used process, accounting for about 85 to 90 percent of the world rayon production, but a lesser proportion of the United States production, in recent years is the viscose process which was patented in 1892 by Messrs. Cross and Bevan, of Great Britain. The cellulose compound that they produced was subjected to numerous operations in connection with treating and spinning it into filaments and yarn. The first successful spinning of this product was developed by Stearn in 1898 and improved by Topham in 1900, which later date

marks the beginning of the manufacture of rayon by the viscose process.

The technical operations in making rayon yarn by the viscose process at the present time are generally as described here. The first step is to prepare the cellulose from cotton linters or from wood pulp by dissolving all noncellulose materials, leaving a fibrous mass that is then made into a board or sheet form by a process similar to that used by the paper manufacturing industry. sheets from various batches, after selection in order to obtain uniformity of production, are subjected to a caustic soda bath where they are allowed to soak. The sheets, thus treated, are run through a shredding machine which produces a white mass that is dumped into hoppers and stored for from 36 to 100 hours in a temperature of 17 to 24 degrees centigrade. This operation, called the ripening process, through control of the duration and temperature, develops a product of the proper viscosity. After ripening, the material is mixed with carbon disulfide forming a spongy substance that is further treated with a caustic soda solution to form the raw viscose of the consistency of honey. This is filtered and further ripened from 2 to 5 days before it is ready for spinning. The viscose material is forced by pressure pumps through a spinnerette, having numerous small orifices, into a coagulating bath containing a sulfuric acid solution. The filament emerging from the orifices hardens in this bath and is twisted into yarn. The number and size of filaments in the yarn are determined by the type of jets or openings in the spinnerette. Further treatment of the yarn removes the remaining acids and other chemicals and the yarn is then ready for marketing.

Another process, which was developed during the World War, is the cellulose-

acetate process. In recent years this process has been used to a greater extent than in the earlier years. This process involves the use primarily of acetic acid to convert cotton linters into a cellulose product. This is carried through a series of operations from which a spinning "dope" or solution is made. This solution is then forced through spinnerettes into an enclosure where the filament is dried by hot air and then spun into yarn. This method is termed "dry" spinning, which contrasts with "wet" spinning or viscose yarn.

In recent years a staple fiber has been produced by the viscose and acetate occsses. This staple fiber can be used in woven and knit goods and to some extent has become a substitute for wool and cotton in heavier fabrics, whereas theretofore the rayon yarn had been considered primarily as a substitute for silk. Of course, rayon no longer is considered merely as a substitute for other textile fibers as it now has a distinct position in the textile field.

PRODUCTION STATISTICS

The domestic production of rayon yarn and staple fiber, combined, increased from 363,000 pounds in 1911 to 287,749,000 pounds in 1938. Production in 1936 and 1937 exceeded the production for the year 1938. The following tabulation gives the domestic production of rayon yarn and staple fiber, separately, for each of the years 1911–38. The table shows that the production of rayon yarn by the viscose, cuprammonium and nitrocellulose processes increased from 363,000 pounds in 1911 to 181,795,000 pounds in 1938. While the production of rayon yarn by the acetate process increased from 50,000 pounds in 1919 to 76,121,000 pounds in 1938, the domestic production of rayon staple fiber increased from 165,000 pounds in 1928 to 29,383,000 pounds in 1938.

United States production of rayon yarn and staple fiber, $1911-1938^{\circ}$

[Units are thousands of pounds]

Year	Viscose, cupram- monium and nitro- cellulose yarn ³	Acetate yarn	Total rayon yarn	Staple fiber	Total rayon yarn and staple fiber
1911 1912 1913 1914 1914 1915 1916 1917 1917 1919 1919 1919 1921 1922 1922	363 1, 111 1, 816 2, 422 3, 885 5, 778 6, 544 5, 846 8, 228 10, 005 14, 866 23, 947 34, 839 36, 208 49, 429 60, 073 70, 408 91, 232 112, 954 117, 543 135, 249 116, 379 172, 402 170, 307 202, 010 214, 926	50 120 120 120 120 120 2, 620 2, 620 5, 147 6, 000 8, 445 9, 799 15, 630 18, 291 41, 096 38, 014 55, 547 62, 712	363 1,111 1,816 2,422 3,885 5,778 6,544 8,278 10,125 14,986 24,067 36,328 51,049 62,693 75,555 77,232 121,393 152,679 134,679 134,679 134,679 1213,498 233,498 243,498 243,498	165 500 350 800 1,100 2,100 4,600 12,300	363 1, 111 1, 816 2, 422 3, 885 5, 778 6, 544 5, 846 8, 278 10, 125 14, 986 24, 987 36, 328 51, 499 36, 298 51, 499 127, 683 151, 759 121, 899 127, 683 151, 759 121, 598 20, 521 22, 157 28, 938
1938	239, 316 181, 795	82, 365 76, 121	321, 681 257, 916	20, 244 29, 833	341, 925 287, 749

¹ Source: Textile Economics Bureau, Inc., Rayon Organon.
2 Production of nitrochiulose yarn was discontinued in 1934.

In 1938, acctate yarn accounted for 29.5 percent of the total domestic rayon yarn, but accounted for a lesser proportion of the world production. Rayon yarn produced by this process has accounted for a larger proportion of the total each year. The production of rayon staple fiber has not been as extensively developed in this country as in other countries, particularly Italy, Germany, and Japan. In 1930, the world production of rayon yarn amounted to 451,000,000 pounds and the rayon staple fiber emounted to 6,000,000 pounds, whereas in 1937 the world rayon yarn production was 1,205.000,000 pounds as compared to 618,000,000 pounds of rayon staple fiber. In 1935, the world production of staple fiber practically equaled the yarn production, as estimated figures give the world production of rayon yarn as 975,000,000 pounds and of rayon staple fiber as 925,000,000 pounds. This compares with the domestic production of rayon yarn of 258,000,000 pounds and of rayon staple fiber of 30,000,000 pounds. Thus, it is evident that rayon staple fiber, which to some extent is a substitute for cotton and wool, is used more widely in other countries than in the United

States. The domestic production of staple fiber does not equal the consumption although there has been a continuous increase in the domestic production. For instance, in 1938, the domestic production increased nearly 50 percent over 1937, whereas imports increased only about 15 percent. In 1938, the imports of rayon staple fiber amounted to about 24,000,000 pounds as compared to 30,000,000 pounds of domestic production.

In regard to the domestic production of rayon yard and staple fiber, it is significant to compare the production by the eight companies covered in this study to the total. In 1938, three of these companies accounted for 67 percent of the total and all eight accounted for 91 percent of the total domestic production of rayon yarn and staple fiber. As stated before, American Viscose Corporation accounted for 100 percent of the domestic production prior to 1920; therefore, the ratios accounted for by each of the three large companies and by the five small companies as a group, shown in the following tabulation, are for the period from 1920 to 1938, inclusive.

Proportion of the total United States production of rayon yarn and staple fiber by all processes accounted for by each of the 3 large companies and by 5 smaller companies combined, from 1920 to 1938, inclusive

Year	Number of com- panies	American Viscose Corpora- tion ¹	E. I. du Pont de Nemours & Co.	Celanese Corpora- tion of America	5 smaller com- panies com- bined 2	Com- bined per- centage of total United States produc- tion
1920 1921 1922 1923 1924 1925	1 4 5 5 5 6	Percent 99 92 82 78 73 68	Percent 2 6 8 10 13	Percent	Percent 4 12 13 17 16	Percent 99 98 100 99 100 99
1926 1927 1928 1929 1930	6 7 7 9 8 8	59 54 56 52 42 39	17 20 19 21 17	1 3 3 4 5 6	16 16 14 17 26 28	93 93 92 94 90
1932 1933 1934 1935 1936 1937	8 8 8 8 8	34 35 34 35 33 32 30	16 16 20 20 21 22 22	7 10 11 14 14 14 14	29 25 27 23 23 20 24	86 86 92 92 91 88

¹ Prior to 1920, American Viscose Corporation produced 100 percent of the total domestic production.
² 5 companies combined include Industrial Rayon Corporation, 1922-38; the American Enka Corporation, 1929-38; North American Rayon Corporation, 1929-38; American Bemberg Corporation, 1927-38; and Tubize-Chatillon Corporation, 1930-38; together with the latter company's predecessors, namely, Tubize Artificial Silk Co. and American Chatillon Corporation from 1921 to 1929, inclusive.

The foregoing tabulation includes both rayon yarn and rayon staple fiber. The viscose, nitrocellulose, and culprammonium processes are somewhat similar, and for the purpose of this study there was no segregation of production between these processes. Seven of the eight companies used one or more of these three processes in making rayon yarn. However, none used the nitrocellulose process after 1934. One company used the cuprammonium process. Only four of the eight companies used the acetate process. Celanese Corporation of America used the acetate process exclusively and apparently was the sole company using this process for a number of years after its organization in 1918 and continued to be the most important producer by the acetate process as it accounted for 57 percent of the total in 1938. The acetate process has become increasingly important so that in 1938 nearly 30 percent of all domestic rayon yarn was produced by this process. The following two tabulations show, first, the proportions of rayon yarn produced by seven companies using either the viscose, nitrocellulose or cuprammonium process and, secondly, the proportion produced by each company using the acetate process.

Proportion of the total United States production of rayon yarn by the viscose, nitrocellulose 1 and cuprammonium processes, accounted for by 7 companies 2 from-1920 to 1938, inclusive

Year	Number of com- panies	American Viscose Corpora- tion	E. I. du- Pont de Nemours & Co.	5 smaller compan- ies com- bined 3	Com- bined per- centage of total United States produc- tion ?
1920 1921 1922 1923 1924 1926 1926	1 4 5 5 5 5 5 5	Percent 100 93 82 79 73 70 62 58	Percent 2 6 8 10 14 18 21	Percent 5 12 13 17 16 17 16	Percent 100 100 100 100 100 100 100 97 95
1928 1929 1930 1931 1932 1932 1933	6 8 7 7 7	59 56 46 43 39 42 40	20 22 17 17 17 17 20	15 18 28 31 34 33 33	93 94 96 91 91 90 92 93
1935 1937 1937 1938	7 7 7 7 7 7	43 40 40 33	20 22 22 22 22	28 32 29 37	91 94 91 92

¹ There has been no production in the United States by the nitrocellulose process since 1934.

¹ There has been no production in the United states by the introcendage process since 1994.

² Of the S companies covered, there was I which produced rayon varia and staple fiber exclusively by the acetate process, thus only 7 of the S used either the viscose, nitrocellulose, or cuprammonium processes.

³ 5 companies combined includes Industrial Rayon Corporation, 1922–38, the American Enka Corporation, 1929–38, North American Reyon Corporation, 1929–38, American Bemberg Corporation, 1927–38, and Tubize-Chatillon Corporation, 1930–38, together with the latter company's predecessors, namely, Tubize Assistant Silk Co. and American Chatillon Corporation from 1921 to 1929 inclusive Artificial Silk Co. and American Chatillon Corporation, from 1921 to 1929, inclusive.

Proportion of the United States production of rayon yarn accounted for by each company using the acctate process, 1929-38

Year	Viscose	E. I. du- Pont de Nemours & Co.	Corpora-	Tubize- Chatillon Corpora- tion	Com- bined per- centage of total United States production
1929 1930 1931 1932 1933 1934 1935 1936 1937 1938	2 2 6 6 8 10 12 11 12	9 9 9 7 10 15 15 15 18	Percent 60 67 54 52 53 61 68 63 56 57	Percent 2 9 4 3 2 (1) 1 2 4	Percent 62 87 69 70 68 79 93 91 84

1 Less than one-half of 1 percent.

It was previously pointed out that the use of rayon staple fiber in the United States has not progressed as rapidly as in other countries but that in recent years it has become increasingly important. Prior to 1935, the only domestic producer of staple fiber was E. I. du Pont de Nemours & Co. Staple fiber was not produced prior to 1926 and even in 1934 the production was less than 3,000,000 pounds and during the period from 1926 to 1934, inclusive, it was all produced by the one company. By 1938, the production had jumped to nearly 30,000,000 pounds. Of the 8 companies covered in this study, there were 3 producing staple fiber in commercial quantities at the end of 1938, and they accounted for 88 percent of

the total domestic production. This is illustrated in the following tabulation covering the years 1935 to 1938, inclusive:

Proportion of the United States production of rayon staple fiber accounted for by each company, 1935–38

Year	American Viscose Corpora- tion	E. I. du Pont de Nemours & Co.	Industrial Rayon Cor- poration	Combined percentage of total United States pro- duction
1935 1936 1937 1938	Percent 16 30 29 54	Percent 70 48 50 32	Percent (1) 2	Percent 86 78 79 88

¹ Less than one-half of 1 percent.

The tremendous growth of the domestic use of rayon as compared to other textiles is illustrated heretofore in the production data and is also forcefully portrayed in the following chart, showing the quantities consumed of rayon yarn and competing yarns. In recent years, there have been relatively small amounts of rayon yarn exported or imported, except there have been some imports of staple fiber. Thus, the relative quantities of domestic production and consumption in the aggregate are not greatly different. However, sometimes there were rather large differences between the annual amounts produced and the amounts consumed for the reason that in certain years the anticipated demand did not materialize and part of the production was carried over to the next year. The following chart shows the pounds consumed domestically of cotton, wool, rayon, and silk, from 1920 to 1938, inclusive.

PRICE TRENDS

The foregoing chart, showing the trends of consumption of rayon yarn, was prepared from data on pages 56 and 57 of Rayon and Staple Fiber Handbook, Third Edition.\(^1\) It is of interest to correlate the rayon production and consumption shown heretofore with the price of rayon as these price trends definitely reflect the influence of the earlier monopolistic position of American Viscose Corporation and the later competitive conditions in the industry.

The trend of the price of rayon yarn ranged upward from \$1.85 per pound in 1911 to \$6 in 1920 and down to 55 cents in 1932. From 1932 to 1938, inclusive, the price ranged from 49 to 65 cents. The prices per pound of 150 denier rayon yarn produced under the viscose process are quoted below from page 46 of Rayon and Staple Fiber Handbook, Third Edition. The dates represent the day on which the given list price went into effect and that price continued in effect until the next price announcement.

Nov. 11, 1911	\$1.85	Feb. 25, 1929	\$1.30
Apr. 21, 1914	2. 00	June 18, 1929	1. 15
Nov. 16, 1915	2. 50	July 22, 1930	. 95
Dec. 16, 1915	3. 00	Jan. 9, 1931	. 75
Oct. 1, 1916	3, 30	May 26, 1932	. 65
Nov. 1, 1916	3. 50	June 21, 1932	. 55
Dec. 1, 1916	3. 55	Aug. 29, 1932	. 60
May 1, 1917	3. 80	Apr. 3, 1933	. 50
Aug. 1, 1917	4. 00	Apr. 26, 1933	. 55
Oct. 1, 1917	4. 25		. 60
June 1, 1918	4. 50	July 27, 1933	. 65
Sept. 25, 1919	5. 50	May 24, 1934	. 55
Feb. 1, 1920	6.00	Dec. 13, 1934	. 58
May 7, 1920	5. 00	Dec. 31, 1934	. 60
Sept. 1, 1920	4.00	Apr. 17, 1935	. 55
Oct. 1, 1920	2. 55	Aug. 8, 1935	. 57
Apr. 15, 1921	2.70	June 15, 1936	. 60
Sept. 1, 1921	2.80	Apr. 12, 1937	. 63
Feb. 1, 1924	2.05	Jan. 14, 1938	. 59
July 1, 1926	1. 65	Jan. 21, 1938	. 54
Dec. 1, 1926	1. 45	May 20, 1938	. 49
Mar. 16, 1927		July 29, 1938	. 51
		•	

¹ See chart "U. S. Consumption of Cotton, Wool, Rayon, and Silk Fibers," supra, p. 17641.

It may be of interest to compare the wholesale prices of cotton, wool, silk, and rayon yarns. It will be noted from the following tabulation that the trends of prices of rayon and silk were quite comparable. The following tabulation is copied from page 26 of a Report on Development and Use of Rayon and Other Synthetic Fibers by Bureau of Agricultural Economics.

Prices and index numbers 1 of cotton, wool, silk, and rayon yarns, United States, 1921 to 1937

	Cotton 2 price index		Wool 3 price index		Silk 4 price index		Rayon b price index	
Calendar year	Dollars per pound	Percent	Dollars per pound	Percent	Dollars per pound	Percent	Dollars per pound	Percent
1921 1922 1923 1924 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1933 1934 1935 1936	0. 66 . 72 . 77 . 72 . 70 . 58 . 55 . 54 . 47 . 37 . 31 . 41 . 46 . 45 . 42 . 42	90 99 105 99 96 79 75 74 74 64 51 42 56 63 62 58	1. 18 1. 41 1. 73 1. 69 1. 72 1. 44 1. 37 1. 55 1. 49 1. 24 1. 00 84 1. 08 1. 25 1. 13 1. 31	69 82 101 99 100 84 80 91 87 72 58 49 63 73 66 77 81	6. 57 7. 65 8. 65 6. 25 6. 57 6. 19 9 5. 44 5. 07 4. 93 3. 42 2. 40 1. 56 1. 61 1. 30 1. 63 1. 77 1. 86	92 107 121 87 92 86 76 71 69 48 34 222 22 18 23 25 26	2. 67 2. 80 2. 80 2. 11 2. 00 1. 81 1. 49 1. 50 1. 24 1. 05 - 75 - 64 - 61 - 59 - 59 - 62	12'5 92 87 79 65 65 54 46 33 28 26 26 26 27

Base is the average of the 3 years 1923, 1924, and 1925.
 Average midmonth contract prices of 40's single combed peeler yarn, New York.
 Worsted yarn, 32's white, crossbred stock, factory.
 Japanese silk yarn, 78 percent, crack, xx, 13/15 denier, white, New York.

⁸ A grade, 150 denier, continuous filament rayon, first quality, New York. Bureau of Agricultural Economics. Prices are Bureau of Labor Statistics wholesale prices except cotton yarn prices.

GROWTH OF DOMESTIC CORPORATIONS MANUFACTURING RAYON

The earlier history of rayon companies centers around the patents on manufacturing processes but since the expiration of the basic viscose patents in 1919 the development of corporations has been on a more competitive basis.

Several companies were formed prior to 1910, but none of these was successful. The first company was formed in Boston just prior to 1900 to use the Cross and Bevan process. This company was the American Viscose Co., which was in no way connected with the present company of the same name. Another unsuccessful company was the Cellulose Products Co. organized in 1900. In the next year, 1901, General Artificial Silk Co. was formed, and, although it was refinanced several times and produced as much as several hundred pounds of rayon yarn per day, it nevertheless was an unsuccessful venture. It used the Cross and Bevan process through permission from Cellulose Products Co. Silas W. Pettit, who was the largest stockholder of General Artificial Silk Co., acquired in 1904 from Cellulose Products Co. the rights to the use of the Cross and Bevan process and to use the spinning processes. He operated under the name, Genasco Silk Works and produced as much as five or six hundred pounds of yarn per day but his operations were unprofitable. All the rights of Silas W. Pettit were purchased by Courtaulds, Ltd., a British rayon firm in 1910.

Courtaulds, Ltd., is controlled by the Courtaulds family, which successfully made rayon yarn in England as early as 1904. Large profits were made from the

business and after acquiring the rights of Silas W. Pettit it formed the American Viscose Co., a predecessor of American Viscose Corporation. This company was successful from the very first and still is the largest producer of rayon in the United States. Throughout this period control of these companies was retained by the Courtaulds family. During the period from 1910 to 1919, American Viscose Corporation, or predecessors, through patents had a monopoly in the rayon business, and was the only domestic producer of rayon yarn. In 1920, other companies began to come into this industry and, in 1939, there were about 29 companies producing rayon yarn and staple fiber. The proportion of the total United States production of rayon yarn and staple fiber by American Viscose

Corporation has been decreasing each year and dropped from 100 percent in 1919 to about 30 percent in 1938. However, American Viscose Corporation and the other 7 companies covered in this report account for about 91 percent of the total production. Therefore, the other 21 companies in this industry have not obtained a very large share of the business. There is one rather important producer of rayon included among the companies not covered herein. That producer is Eastman Kodak Co. However, the cellulose products produced by that company are used for many things other than the manufacture of rayon yarn.

The history and organization of some of the more important rayon companies

are briefly reviewed here.

ORGANIZATION OF AMERICAN VISCOSE CORPORATION AND PREDECESSORS

A knowledge of the processes, formulas, etc., with the full and free right to use this knowledge was indispensable to the successful development of the artificial silk industry in America by the Viscose process. American Viscose Co., organized in 1909, was using on a royalty basis certain specified patents owned by Courtaulds, Ltd., under a contractual arrangement. This arrangement was terminated on May 20, 1915, and superseded by a new contract as of that date under which the patents were to be transferred outright to American Viscose Co. At this time, a new corporation, the Viscose Co., was organized and succeeded to all the property, patent rights, and processes of American Viscose Co. which then passed out of existence. The Viscose Co. was owned by American Viscose Corporation which in turn was controlled by Courtaulds, Ltd. Later, the Viscose Co. was dissolved and American Viscose Corporation operated the properties and business.

The Viscose Co. was incorporated in Pennsylvania on May 20, 1915, with an authorized capitalization of \$10,000,000. On that date, the new company purchased the assets of its predecessor, American Viscose Co. In consideration of the transfer of the assets of the predecessor corporation to it, the Viscose Co. issued to American Viscose Co. \$9,999,500 of its capital stock, paid \$500 cash and acquired all of the contracts and assumed all of the liabilities of the

The tangible assets of American Viscose Co. were carried on its books at \$3,731,559.58 and the liabilities at \$99,977.31 indicating a net book value of tangible assets of \$3,631,582.27. The Viscose Co. recorded the same value upon its books and \$500 paid in cash, making the value of its net tangible assets \$3,632,082.27. The difference between this latter sum and the \$10,000,000 par value of the stock, amounting to \$6,367,917.73 was entered upon the books of

the Viscose Co. as goodwill.

The transfer of all the assets of American Viscose Co. to the Viscose Co. and the consideration issued therefor was effected by an agreement dated May 20, 1915, between these two companies. This contract also provided, among other things, for the transfer to the new company of certain patents which the predecessor had been using under a royalty agreement with Courtaulds, Ltd., and which had been acquired outright by the predecessor under an agreement with Courtaulds, dated May 20, 1915, just prior to the transfer of the predecessor's net assets to the new company. The contract effecting the transfer of all the net assets, patents, and business by the predecessor, American Viscose Co., to the newly The contract effecting the transfer of all the net assets, organized Viscose Co. also provided that on delivery of a proper assignment of the patents, the purchaser was to pay Courtaulds, Ltd. \$5,000,000 in installments of \$500,000 each on December 31 of each of the years 1915 to 1924, inclusive, together with interest, half yearly, at the rate of 6 percent per annum from and including May 20, 1915. These payments are not represented in the above statement.

The American Viscose Corporation was organized by Courtaulds, Ltd., in 1922, as a holding company to acquire the capital stocks of the Viscose Co. and a newly formed company, Viscose Corporation of Virginia. In May 1937, these two subsidiary operating companies were merged with American Viscose Corporation.

American Viscose Corporation is engaged almost solely in the production of rayon yarns and staple fiber, while some of the other rayon companies also produce other cellulose products. American Viscose Corporation manufactures rayon yarn and staple fiber by the viscose and acetate processes. The quantities produced by this company and the relation to the total domestic production from 1920 to 1938, inclusive, were presented heretofore. Prior to 1920, this company was the only domestic producer of rayon yarn.

HISTORY OF E. I. DU PONT DE NEMOURS & COMPANY

This company was known primarily as a manufacturer of explosives prior to the World War but now is considered as a diversified chemical manufacturer. Its products include organic chemicals (such as dyestuffs and ethyl alcohol), fabrics and finishes (such as rubber-coated fabrics and paint and varnish), rayon, cellophane, cellulose film, inorganic heavy chemicals, explosives, electro chemicals, ammonia, pigments, plastics, and smokeless powder. This company holds an important position in the rayon industry and has recently completed a plant for the production of "Nylon" yarn, an extremely tough synthetic material, that has many uses for which ordinary rayon yarn is not adaptable.

E. I. du Pont de Nemours & Co. was incorporated in 1915 to acquire the assets and business of E. I. du Pont de Nemours Powder Co., which had been organized in 1903, but the business originally had been founded in 1802. Prior to 1915, the Powder Co. had acquired approximately 100 companies and since 1915 many important companies have been acquired. The acquisition of the rayon company is the only one specifically mentioned here. Du Pont Rayon Co., incorporated in 1920 as du Pont Fibersilk Co., was controlled 60 percent by Du Pont and 40 percent by French interests until 1929, when Du Pont acquired 100 percent control. In 1936, du Pont Rayon Co. was dissolved and the rayon business has since been conducted as a department of E. I. du Pont de Nemours & Co. This company produces rayon yarn and staple fiber by the viscose and acetate processes. From 1926 to 1933, inclusive, this company was the only domestic producer of staple fiber.

CELANESE CORPORATION OF AMERICA

This company was incorporated January 5, 1918, in Delaware, under the name, American Cellulose & Chemical Manufacturing Co. Ltd., and the name was changed to the present title in 1927. This company has expanded with the growth of the rayon business and is considered the third largest rayon producer. This company is reported to have recently developed a new yarn 4 or 5 times as strong as rayon for use in hosiery and tire fabrics.

This corporation was formed to make cellulose acetate, under the Dreyfuss patents and processes. It has not confined its operations entirely to the production of rayon yarn and stable fiber, as it also has weaving plants. It also controls Celluloid Corporation through ownership of 51 percent of the stock, which company manufactures plastic products.

INDUSTRIAL RAYON CORPORATION

This company was organized in 1925 to acquire control of Industrial Fibre Corporation. In 1936, Industrial Rayon Corporation organized and continued to control, as a wholly owned subsidiary, Rayon Machinery Corporation, which is engaged in designing, developing, and partially manufacturing machines for producing rayon yarn and staple fiber by a mechanized continuous process.

TUBIZE-CHATILLON CORPORATION

This company was organized in 1930, and merged Tubize Artificial Silk Co. and American Chatillon Corporation. In 1933, it acquired Argus Knitting Mills, Inc., and Janome Rayon Corporation which were engaged in knitting and manufacturing underwear. Tubize-Chatillon Corporation or its predecessors produced rayon yarn by the introcellulose process from 1921 to 1934, inclusive, and by both the viscose and acetate processes from 1929 to 1938, inclusive.

NORTH AMERICAN PAYON CORPORATION, THE AMERICAN ENKA CORPORATION, AND; AMERICAN BEMBERG CORPORATION

These three corporations are in some manner affiliated or associated with each other. For instance, the American Enka Corporation is controlled by Algemeene Kunstzijde Unie N. V. (A. K. U.) General Rayon Union, while North American Rayon Corporation is affiliated with Algemeene Kunstzijde Unie, N. V., and Vereinigte Glanzstoff-Fabriken, A. G. Also, North American Rayon Corporation and American Bemberg Corporation have identical officers and practically all of the directors of each are identical.

North American Rayon Corporation was organized in 1927 for the purpose of manufacturing viscose artificial silk, artificial straw, and artificial horsehair. The company has exclusive rights in the United States to use all patents and processes of Vereinigte Glanzstoff-Fabriken, A. G.

The American Enka Corporation, incorporated in 1928, operates under the licenses, technical and organizing assistance of the Dutch "Enka" in the production

of viscose rayon yarns.

American Bemberg Corporation was organized in 1925 to manufacture rayon yarns by the cuprammonium process. This company acquired the sole rights within the United States to all the patents and processes of J. P. Bemberg, A. G., Germany.

INVESTMENTS, PROFITS, AND RATES OF RETURN

The profitableness of the rayon producers, expressed in rates of return on investments, is indicated for all eight companies, individually and as a group, from 1915 to 1938, inclusive, on two bases, namely total investment and stockholders' investment. The total investment consisted of long-term borrowings, stocks outstanding, surplus and surplus reserves. The stockholders' investment included all those items except long-term borrowings. Inasmuch as some of these rayon companies had only small bond issues or other long-term debt, the total investment is only slightly greater than the stockholders' investment and the rates of return are only slightly higher on the stockholders' investment.

The period covered by this study began with 1915 and ended with 1938. It has been previously explained that American Viscose Corporation was the only domestic rayon company operating from 1910 to 1919, inclusive, for the reason that that company held patents which gave it exclusive rights during that period Therefore, rates of return are available for only one company from 1915 to 1920, inclusive, two companies from 1921 to 1924, inclusive, and additional companies thereafter so that data are available for a maximum of eight companies in 1933

and for each year through 1938.

Table I, which follows, shows the rates of return for a maximum of eight of the principal rayon companies as a group. The total investments and stockholders' investments, together with the net profit applicable thereto, before deductions of Federal income and profits taxes, also appear in this table.

Table 1.—Investments, profits, and rates of return on total investment and stock-holders' investment of principal rayon companies, 1915-38

	Num-	Investi	Investments t		Net profit ² applicable to		Rate of return on -	
Year	ber of com- panies	Total investment	Stock- holders' investment	Total investment	Stock- holders' invest- ment	Total invest- ment	Stock- holders' invest- ment	
1915 1916 1917 1918 1919 1920 1922 1923 1924 1925 1927 1928 1928 1929 1928 1929 1929 1929 1929	1 1 1 1 2 2 2 2 2 3 4 4 4 5 6 6 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$7, 802, 514 8, 515, 125 14, 115, 285 21, 493, 151 30, 452, 940 40, 718, 557 51, 233, 483, 865, 993, 964 89, 088, 674 110, 609, 981 141, 686, 961 141, 686, 961 149, 977, 705 227, 972, 035 244, 580, 148 234, 468, 037 223, 194, 878 223, 194, 878 223, 194, 878 223, 194, 878 223, 194, 878 223, 194, 878 223, 194, 878 223, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 878 221, 194, 194, 194, 194, 194, 194, 194, 19	\$7, 802, 514 8, 515, 125 14, 115, 285 21, 493, 151 30, 492, 940 40, 718, 557 51, 233, 438 65, 993, 964 89, 088, 674 110, 609, 981 139, 626, 786 139, 626, 786 139, 626, 786 139, 624, 129 244, 129, 139 244, 129, 139 244, 129, 139 244, 129, 139 244, 129, 139 244, 129, 139 244, 129, 139 244, 129, 139 244, 129, 139 254, 139, 948 247, 263, 836 250, 509, 172 261, 190, 221 275, 192, 231 275, 192, 238 282, 568, 454	\$2, 053, 688 9, 297, 590 13, 544, 710 14, 935, 062 29, 543, 991 26, 143, 901 21, 514, 935 33, 074, 742 38, 442, 134 43, 363, 059 32, 076, 675 42, 952, 358 48, 755, 802 41, 139, 382 12, 136, 617 7, 864, 173 3, 270, 884 28, 979, 503 17, 204, 637 17, 233, 195 30, 632, 027 34, 154, 084 7, 537, 214	\$2, 053, 688 9, 297, 590 13, 544, 710 14, 935, 062 29, 513, 991 26, 143, 901 21, 514, 935 33, 074, 742 38, 442, 134 43, 285, 459 29, 569, 118 43, 285, 459 44, 194, 440 12, 118, 707 7, 849, 009 3, 262, 728 28, 847, 518 17, 080, 926 17, 036, 317 30, 420, 669 17, 308, 317 30, 420, 669 33, 880, 661 6, 884, 305	Percent 26, 32 109, 19 95, 96 69, 49 97, 02 64, 21 41, 99 50, 12 43, 15 26, 73 30, 60 42, 49 18, 05 4, 96 6, 88 6, 74 11, 47 12, 14 2, 52	Percent 26. 32 109. 19 95. 96 69. 49 97. 02 64. 21 41. 99 50. 12 26. 73 31. 00 20. 46 26. 07 12. 24. 57 18. 07 12. 24. 57 18. 07 12. 24. 57 18. 07 12. 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 57 18. 07 24. 5	
Average		206, 493, 948	202, 293, 883	28, 886, 293	28, 688, 413	13. 99	14. 18	

¹ Investments averaged at beginning and end of year, after deducting appreciation.

² Net profits before deductions for Federal income and profits taxes.

It will be observed from the foregoing table that the average annual rate of return during the 24-year period, 1915–38, for these rayon companies combined was 13.99 percent on the total investment and 14.18 percent on the stockholders' investment. Very high rates of return were made from 1916 to 1920, inclusive ranging from 64.21 to 109.19 percent on the total investment and the same-on the stockholders' investment. During the period from 1921 to 1929, inclusive, they ranged from 18.05 to 50.12 percent on the total investment. The profits dropped to 4.96 percent in 1930, and continued to decline to 1.47 percent in 1932. They recovered sharply in 1933 when profits of 12.16 percent were made. During the next 2 years the profits were 6.88 percent and 6.74 percent while during 1936 and 1937 they were 11.47 percent and 12.14 percent, respectively. During 1938 the profits were much lower, amounting to 2.52 percent on the total investment

and 2.44 percent on the stockholders' investment. For the reason that new companies were added from time to time and the business of most of the respective companies increased necessitating enlargements of plants, the combined investments of these companies increaed each year, with the exception of 1930, 1931, and 1932, from \$7,802,514 in 1915 to \$298,603,637 in 1938. However, the trend of growth in the investments of all the individual companies was not as regular as the trend of the combined investments would indicate. For instance, the total investment of American Viscose Corporation increased from \$7,802,514 in 1915, to \$125,343,834 in 1926, and decreased to \$114,371,246 in 1938. However, the investment of this company was not solely confined to the rayon business. Its investment in the rayon business amounted to only \$51,835,009 in 1926, and \$72,292,865 in 1938. The investments, profits, and rates of return of American Viscose Corporation on the total investment and the investment in the rayon business are discussed fully in another part of this report. The investment of the rayon department of E. I. du Pont de Nemours & Co. increased from \$2,873,357 in 1921, to \$61,658,741 in 1938, while for Celanese Corporation of America the increase was from \$8,893,505 in 1925, to \$53,803,381 in 1938. The investment of Industrial Rayon Corporation increased from \$4,178,334 in 1926 to \$23,601,458 in 1938. The foregoing pronounced increases contrast with the very small increases of from \$15,753,987 in 1930, to \$16,813,874 in 1938 for the American Enka Corporation and from \$10,315,022 in 1929 to \$12,201,734 in 1938 for North American Rayon Corporation. For 2 companies there were decreases. The investment of Tubize-Chatillon Corporation decreased from \$12,498,074 in 1933 to \$11,324,620 in 1938 while for American Bemberg Corporation the decrease was from \$8,214,378 in 1928 to \$4,828,583 in 1938.

Table 2, which follows, shows the total investment averaged annually for each of the eight rayon companies for the period for which the data are available from

1915 to 1938, inclusive:

Table 2.—Total investment of principal rayon companies, 1915-38

	Total	\$7, 802, 514, 815, 125, 124, 413, 125, 124, 413, 125, 125, 124, 413, 125, 125, 413, 125, 125, 125, 125, 125, 125, 125, 125	
	American Bemberg Corporation	88, 214, 378 7, 830, 501 6, 603, 767 8, 64, 945, 983 4, 196, 129 4, 116, 129 4, 135, 989 4, 836, 835 4, 836, 835 5, 590, 612	
	Tubize Chatillon Corporation	\$12, 498, 074 \$12, 498, 074 \$11, 246, 788 \$10, 364, 699 \$10, 373, 218 \$11, 324, 538	
	North American Rayon Corporation	\$10, 315, 022 13, 373, 472 13, 373, 472 12, 027, 810 10, 637, 102 10, 631, 687 11, 682, 715 11, 682, 715 11, 689, 322	
	The American Enka Corpo- ration	\$15,753,987 15,280,600 14,605,114 14,905,114 15,473,707 16,830,599 16,830,599	
,	Industrial Rayon Cor- poration	\$4, 178, 334 4, 253, 035 4, 253, 134 13, 571, 671 13, 471, 377 12, 477, 377 14, 406, 070 16, 677, 802 16, 677, 802 16, 677, 803 18, 26, 139 23, 601, 438	
	Celanese Corporation of America	\$8,883,505 16,232,490 16,233,150 16,233,150 18,232,666 33,232,666 33,182,863 33,182,863 33,182,863 33,182,863 33,182,863 33,182,863 33,183,863	
	Rayon depart- ment of E. I. du Pont de Nemours & Co.	\$2,873,357 \$2,873,357 \$4,208,685 \$6,208,685 \$6,309,100,020 \$2,635,159 \$2,635,159 \$2,635,159 \$3,700,138 \$3,700,138 \$3,450,000 \$3,450,	
	American Viscose Cor- poration	87, 802 514 8, 515, 126 14, 418, 152 21, 488, 151 21, 488, 151 21, 488, 151 48, 360, 578 88, 360, 578 100, 644, 877 118, 733, 184 118, 733, 184 118, 733, 184 118, 603, 54 111, 604, 57 111, 604, 74 111, 604, 74	4
	Year	1915 1916 1917 1919 1920 1921 1922 1925 1925 1926 1928 1930 1930 1931 1931 1931 1931 1931 1931	100 C

The proportion of the combined investment of the eight companies that is accounted for by each, during 1938, is shown in the following tabulation in which the investment in the rayon business alone of American Viscose Corporation was used instead of the total investment.

	Average investment, 1938	Proportion of the combined investment of the 8 com- panies	Proportion of the production of rayon yarn and staple fiber, 1938
American Viscose Corporation Rayon department of E. I. du Pont de Nemours & Co Celanese Corp. of America. Industrial Rayon Corporation The American Enka Corporation. North American Rayon Corporation. Tubize-Chatillon Corporation. American Bemberg Corporation.	\$72, 292, 865 61, 658, 741 53, 803, 381 23, 601, 458 16, 813, 874 12, 201, 734 11, 324, 620 4, 828, 583	28 24 21 9 7 5 4	33 24 17 26
Total	256, 525, 256	100	100

The relative sizes of the larger rayon companies are more readily illustrated by the percentages in the foregoing tabulation. For instance, the three largest companies had 73 percent of the total investment of the eight companies in 1938. The three smallest companies accounted for only 11 percent of the total investment of the eight companies. These ratios of investments to the total of the eight companies quite closely correspond to the ratios of individual production of rayon yarn and staple fiber combined. For example, American Viscose Corporation accounted for about 33 percent of the production of rayon yarn and staple fiber in 1938 and had 28 percent of the investment of the eight companies. The rayon department of Du Pont accounted for about 24 percent of the production of the eight companies and had 24 percent of the investment of these eight companies. For the five smaller companies combined the investment amounted to 27 percent and the production was equal to 26 percent of the total of the eight companies. Thus, it is evident that in most instances the relative quantities of rayon produced by the respective companies correspond quite closely to the investment.

As contrasted to the rather steady annual increase in the combined investments of these eight rayon companies, their combined net profits followed a very erratic tread. The combined net profits increased from \$2,053,688 in 1915 to \$29,543,991 in 1919 and from 1919 to 1929, inclusive, ranged from \$21,514,935 to \$48,755,802. During the period from 1930 to 1938, inclusive, the combined net profits ranged from \$3,270,884 to \$34,154,084. The combined net profits were four and one-half times larger in 1937 than in 1938, when they aggregated only \$7,537,214. The trends of net profits of the respective rayon companies are equally as irregular as the trend of the combined net profits. This is illustrated in table 3, which follows:

Table 3.—Net profit, before deductions for Federal income tax, applicable to total investment for each of the principal rayon companies, 1915-38

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						
1916. 9, 207, 590	Year	Viscose Corpora-	partment of E. l. du Pont de Nemours	Corpora- tion of	Rayon Corpora-	American Enka Corpora-
Year	916 917 1918 1919 920 921 922 922 923 924 925 926 927 929 929 930 931 931 931 932 933 931	9, 297, 590 13, 544, 710 14, 935, 062 29, 543, 991 26, 143, 901 21, 576, 076 31, 704, 164 35, 991, 171 27, 075, 432 38, 461, 087 27, 261, 845 31, 913, 593 35, 688, 431	1 \$61, 141 1, 370, 578 2, 450, 963 2, 493, 686	\$101, 860 1, 205, 813	\$534, 926 1, 076, 218 1, 878, 886 1, 660, 974 1, 760, 945 802, 097 261, 287 2, 067, 792 1, 558, 121 709, 312 1, 602, 060	1 \$674, 371 1 236, 855 1 188, 511 1, 294, 083 275, 533 762, 198 2, 665, 666 3, 460, 956 1, 423, 144
Year American Rayon Corporation Interior American that Ilon Corporation American that Ilon Corporation American that Ilon Corporation Total 1915 \$2,053,68 1916 9,297,59 1917 13,544,71 1918 14,935,06 1919 29,543,99 1920 26,143,90 1921 21,514,93 1922 33,074,74 1923 38,442,13 1924 38,442,13 1925 43,363,05	Average				1, 124, 110	975, 760
1916 9, 297, 59 1917. 13, 544, 71 1918. 14, 935, 06 1919. 29, 543, 99 1920. 26, 143, 90 1921. 21, 514, 93 1922. 33, 074, 74 1923. 38, 442, 13 1924. 29, 569, 11 1925. 43, 363, 05 43, 363, 05 43, 363, 05		!	}			
	Year	1	American Rayon Corpora-	Chatillon Corpora-	Bemberg Corpora-	Total

¹ Denotes loss.

The rates of return for the respective rayon companies fluctuated in a wide range. The average annual rate of return for the respective companies was highest for the larger companies and was less for the smaller companies, ranging from 21.27 percent for American Viscose Corporation to 3.14 percent for American Bemberg Corporation. However, the rates of return for the later years do not correspond to these annual averages for the period as some of the smaller companies had higher returns. As a matter of faet, in 1938, the highest rate of return was recorded for American Bemberg Corporation, the smallest company. that year, it earned 18.48 percent on its investment, while American Viscose Corporation, the largest company, had the lowest return, amounting to a loss of 1.66 percent, which was completely contradictory to the annual averages. Two factors may largely account for the loss sustained by American Viscose Corporation in 1938. In the first place the total production of rayon yarn and staple fiber by all companies declined from 342,000,000 pounds in 1937 to 288,000,000 pounds in 1928, and, secondly, the proportion of the total accounted for by American Viscose Corporation was 32 percent in 1937, and was only 30 percent in 1938, indicating a sharp decrease in sales in 1938. Even in 1937, American Viscose Corporation had the second lowest rate of return, amounting to 10.16 percent, and American Bemberg Corporation had the highest return, amounting to 29.84 percent. An impelling factor causing the average rates of return to be higher for the largest companies is that longer periods of time are covered for the larger companies and thus there were included more of the very profitable years prior to 1929 in the averages of the four largest companies. The annual rates of return on the total investment and the stockholders' investment for each company, are shown in tables 4 and 5 which follow.

Table 4.—Annual rate of return on total investment for principal rayon companies, 1915-38

Year	American Viscose Corpo- ration	Rayon depart- ment of E. I. du Pont de Nemours & Co.	Celanese Corpo- ration of America	Indus- trial Rayon Corpo- ration	The American Enka Corpo- ration	North American Rayon Corpo- ration	Tubize- Chatillon Corpo- ration	American Bemberg Corpo- ration	Average for group
1915	Percent 26, 32	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent 26, 32
1916									109, 19
1917					-				95, 96
1918									69. 49
1919	97.62								97. 02
1920	64, 21								64. 21
1921	44.62	1 2, 13							41, 99
1922	51. 16	34. 11							50. 12
1923	43. 47	38. 91							43. 15
1924	26. 63	27. 88		=					26, 73
1925	32. 39	34. 19	1. 15						30.60
1926	21.75	15. 23	12. 60	12.80					20. 14
1927	26. 19	27. 01	20. 76	25. 48					25. 76
1928	28. 79	26. 63	9. 09	22. 03				8. 34	24. 49
1929	23, 43 8, 07	19. 04	9.88	12.42		1 0.96		1.04	18. 05
1930	8.07	1. 90	5. 98	13.38	1 4. 28	1.30		1 7. 25	4. 96
1931	2. 35	4. 45 1. 21	3. 03 3. 47	6. 43	1. 55 1. 29	1, 32		1 9. 72	3. 35
1933	10. 55	12. 65	20. 37	14. 35	8, 86	12. 58	4. 73	1 10, 43 14, 64	1. 47 12. 16
1934		8, 58	10. 91	9. 33	1. 84	5, 88	1. 27	1 9, 90	6, 88
1935	6. 53	5, 27	12. 13	4. 25	5, 03	10.06	5, 86	1 11, 10	6. 74
1936	9. 67	11.00	11. 98	9, 66	17. 12	21. 75	12, 27	17. 27	11. 47
1937		13. 10	10. 96	1. 68	21, 19	24. 75	16.60	29, 45	12. 14
1938	1 1, 66	4. 15	6.00	1.67	8. 46	4.48	3, 55	18, 44	2, 52
	1.00	7. 10	0.00	1.07	5. 40	7. 10	J. 00	40. 11	2. 32
Average.	21. 27	11. 52	9.75	8. 37	6, 31	7. 33	6.82	3, 15	13, 99
					1	1			

Denotes loss.

 $\begin{array}{c} \textbf{Table 5.--} Annual \ rate \ of \ return \ on \ stockholders' \ investment \ for \ principal \ rayon \\ companies, \ 1915-38 \end{array}$

Year	American Viscose Corpora- tion	Rayon department of E. I. du Pont de Nemours & Co.	Celanese Corpora- tion of America	Industrial Rayon Cor- poration	The American Enka Cor- poration
	Percent	Percent	Percent	Percent	Percent
915	26. 32				
916 917	109. 19 95, 96				
918	69, 49				
919	97. 02 64. 21				
921	44, 62	1 2. 13			
922	51, 16	34.11			
923	43. 47 26. 63	. 38. 91 27. 88			
925	32.39 21.75	34. 19	0.36	-4	
926	21.75	15, 23	13.68	18. 47	
927	26. 19 28. 79	27. 01 26. 63	22. 11 9. 09	33. 81 23. 43	
929	23, 43	19.04	9.88	12. 61 13. 56	
930	8. 07 4. 44	1, 90 4, 45	5. 98 3. 03	13. 56	1 4. 28
931 932	2, 35	1. 21	3. 47	6. 45 2. 08	1 1. 5 1 1. 2
933	10, 55	12,65	20.37	14.41	8.8
934	6. 97 6. 53	8. 58 5. 27	11, 18 12, 98	9. 33 4. 25	1. 8 5. 0
936	9. 67	11.00	13. 07	9.66	17. 1
937	10.16	13.10	11.87	1.67	21. 1
938	1 1.66	4. 15	6.63	1, 16	8,4
	21 27	11 59	10.10	9.55	6.3
Average	21. 27	North American	10.19 Tubize-Chatillon	8.55 American Bemberg	6.3
	21. 27	North American Rayon Cor- poration	Tubize- Chatillon Corpora- tion	American	
AverageYear	1	North American Rayon Cor-	Tubize- Chatillon Corpora-	American Bemberg Corpora-	Average fo group
Year 915916		North American Rayon Cor- poration Percent	Tubize- Chatillon Corpora- tion	American Bemberg Corpora- tion	Average fo group Percent 26.3
Year 915		North American Rayon Cor- poration Percent	Tubize- Chatillon Corpora- tion	American Bemberg Corpora- tion	Average fo group Percent 26.3 109.1 95.9
Year 915		North American Rayon Cor- poration Percent	Tubize- Chatillon Corpora- tion	American Bemberg Corpora- tion	Percent 26.3 109.1 95.9 69.4 97.0
Year 915		North American Rayon Cor- poration	Tubize-Chatillon Corporation	American Bemberg Corpora- tion	Percent 26. 3 109.1 95. 9 69. 4 97. 0
Year 915		North American Rayon Cor- poration	Tubize-Chatillon Corporation Percent	American Bemberg Corpora- tion	Average for group Percent 26, 3 109, 1 95, 9 69, 4 97, 0 64, 2 41, 9 50, 1
Year 915 916 917 918 919 920 921 922		North American Rayon Cor- poration	Tubize-Chatillon Corporation Percent	American Bemberg Corpora- tion	Average for group Percent 26, 3 109, 1 95, 9 69, 4 97, 0 64, 2 41, 9 50, 1
Year 915 916 917 918 919 920 921 922		North American Rayon Cor- poration	Tubize-Chatillon Corporation Percent	American Bemberg Corpora- tion	Average for group Percent 26.3 109.1 95.9 69.4 97.0 64.2 41.9 95.0 1 43.1 26.7
Year 915 916 917 918 919 919 920 921 922 922 923		North American Rayon Cor- poration	Tubize-Chatillon Corporation Percent	American Bemberg Corpora- tion	Percent 95.9 69. 4 97.0 64.2 41.9 50.1 43.1 26.7 31.0 20.4
Year 915		North American Rayon Cor- poration	Tubize-Chatillon Corporation Percent	American Bemberg Corporation Percent	Percent 26. 3 109. 1 95. 9 69. 4 97. 0 64. 2 41. 9 50. 1 26. 7 31. 0 20. 4 26. 0
Year 915 916 917 918 919 920 921 922 922 924 924 925 926 927 928		North American Rayon Cor- poration Percent	Tubize-Chatillon Corporation Percent	American Bemberg Corporation Percent	Percent 26.3 109.1 95.9 69.4 97.0 64.2 41.9 26.7 31.0 20.4 28.0 24.5
Year 915 916 917 918 919 920 921 922 923 924 925 926 927 929 927 928		North American Rayon Cor- poration Percent	Tubize-Chatillon Corporation Percent	American Bemberg Corporation Percent 8.45 1,25 1,742	Percent 26.3 109.1 95.9 69.4 97.0 64.2 41.9 50.1 26.7 31.0 20.4 26.0 24.5 18.6
Year 915 916 917 918 919 920 921 922 923 924 925 927 928 927 928 929 929 929 929 929 929 929 929 929		North American Rayon Cor- poration Percent	Tubize-Chatillon Corporation Percent	American Bemberg Corporation Percent 8.45 1,25 17.42 19.77	Percent 26.3 109.1 95.9 69.4 97.0 64.2 41.9 50.1 26.7 31.0 20.4 26.0 24.5 18.6 24.5 3.3 3.3 3.3
Year 915 916 917 918 919 919 919 920 921 922 922 923 924 924 925 926 927 928 929 929 929 929 929 929 929 929		North American Rayon Cor- poration Percent	Tubize-Chatillon Corporation Percent	American Bemberg Corporation Percent	Percent 26, 3 109.1 95.9 69.4 97.0 10.20, 4 26.0 24.5 18.0 24.5 18.0 3.3 3.1 1.4
Year 915 916 917 917 918 919 919 920 921 922 923 924 924 925 926 927 928 927 928 929 929 929 920 921 921 921		North American Rayon Cor- poration Percent 10.96 1.30 1.32 13.51 12.58 5.88	Tubize-Chatillon Corporation Percent 4.36	American Bemberg Corporation Percent	Percent 26.3 109.1 95.9 69.4 950.1 220.4 26.0 24.5 18.0 24.5 18.0 26.0 24.5 26.0 24.5 26.0 24.5 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0
Year 915 916 917 918 919 920 921 922 922 924 925 924 925 926 927 929 929 929 929 929 920 921 921 922		North American Rayon Cor- poration Percent 10.96 1.30 1.32 1.3.51 12.58 5.88 10.07	Tubize-Chatillon Corporation Percent 4.36 1.1.47 6.10	American Bemberg Corporation Percent	Average for group Percent 26.3 109.1 95.9 69.4 97.0 64.2 41.9 50.1 43.1 26.7 31.0 20.4 26.0 4.9 3.3 1.4 12.2 6.9 6.8
Year 915 916 917 918 919 919 920 921 922 923 924 925 925 926 927 929 930 921 927 928		North American Rayon Cor- poration Percent 10.96 1.30 1.32 13.51 12.58 5.88 10.07 21.76	Tubize-Chatillon Corporation Percent 4.36 11.47 6.10 12.75	American Bemberg Corpora- tion Percent 8. 45 1, 25 1, 7, 42 19, 77 10, 49 14, 68 1, 11, 17 17, 32	Percent 26.3 109.1 95.9 69.4 97.0 64.2 41.9 50.1 226.7 31.0 22.4 5.9 1.4 22.0 6.8 11.6 6.8 11.6
Year 915 916 917 918 919 920 921 922 922 924 925 924 925 926 927 929 929 929 929 929 920 921 921 922		North American Rayon Cor- poration Percent 10.96 1.30 1.32 1.3.51 12.58 5.88 10.07	Tubize-Chatillon Corporation Percent 4.36 1.1.47 6.10	American Bemberg Corporation Percent	Average for group Percent 26.3 109.1 195.9 69.4 97.0 64.2 41.9 50.1 28.7 31.0 20.4 518.0 4.9 3.3 1.4 412.2 6.6 9 6.8

¹ Denotes loss.

The rates of return for American Viscose Corporation are much higher when calculated solely on the investment in the rayon business instead of the total business. The company was very profitable and followed the practice of reinvesting its earnings in Government securities or securities of other companies from which the rate of profit was at a much lower rate than on the investment in the rayon business. Comparisons are given below of the yearly rates of return for American Viscose Corporation on the total investment and the investment in the rayon business alone, which excludes the outside investments in securities.

Rates of return

Year	On total invest- ment ¹	On invest- ment in the rayon business	Year	On total invest- ment ¹	On invest- ment in the rayon business
1915 1916 1917 1918 1919 1920 1921 1922	Percent 26, 32 109, 19 95, 96 69, 49 97, 02 64, 21 44, 62 51, 16	Percent 26, 32 109, 19 95, 96 100, 56 268, 96 156, 83 87, 16 97, 00	1928 1929 1930 1931 1931 1932 1933 1934	Percent 28. 79 23. 43 8. 07 4. 44 2. 35 10. 55 6. 97 6. 53	Percent 59, 36 44, 55 10, 95 4, 83 1, 32 17, 01 10, 12 9, 22
1923 1924 1925 1926 1927	43. 47 26. 63 32. 39 21. 75 26. 19	88. 13 54. 18 72. 64 46. 01 52. 82	1936 1937 1938 A verage	9. 67 10. 16 2 1. 66	14. 78 15. 36 2 4. 36 37. 52

1 Total investment and stockholders' investment are identical.

2 Denotes loss.

During the earlier period when American Viscose Corporation had a monopoly on the rayon business its profits were very high. During the period from 1921 to 1929, inclusive, while the annual rates of return generally were decreasing the company nevertheless had high rates of return. It was during this period that other companies were coming into this field and even after 1929 more new companies started up in the rayon business. American Viscose Corporation did not make as high profits from 1930 to 1938, inclusive, as before, but it averaged 6.35 percent on its total investment and 8.51 percent on its investment in the rayon business. This is illustrated in the following tabulation.

American Viscose Corporation	Total busi- ness	Rayon busl- ness
Average annual investments:		
1915 to 1920	\$20, 516, 262	\$11,886,090
1921 to 1929	100, 845, 419	45, 580, 834
1930 to 1938.	115, 341, 886	65, 057, 559
1915 to 1938	86, 199, 305	44, 460, 920
Average annual net profit:		
1915 to 1920	15, 919, 824	15, 479, 808
1921 to 1929	30, 940, 201	28, 633, 845
1930 to 1938	7, 328, 580	5, 534, 835
1915 to 1938	18, 330, 749	16, 683, 207
Average annual rate of return:		
1915 to 1920percent	77, 60	130, 23
1921 to 1929do	30.68	62, 82
1930 to 1938do	6.35	8.51
1915 to 1938do	21. 27	37.52

The reduction in net sales after 1929 and the decrease in the net operating profits and the net profits per pound of rayon yarn and staple fiber further indicate the effect of competition in this industry after American Viscose Corporation's monopolistic position was discontinued. The following tabulation illustrates the trend of sales, the ratio of net profit to sales, net profit per pound of rayon yarn and staple fiber, and the rate of return on the investment solely in the rayon business of American Viscose Corporation.

Year	Net sales American Viscose Corporation	Net operating profit per dollar of net sales	Net operating profit per pound of rayon yarn and staple fiber produced 1	Rate of return on the investment in the rayon business
1915 1916 1917 1918 1918 1919 1920 1921 1922 1922 1924 1925 1926 1927 1928 1929 1933 1931 1931 1931 1933 1934 1934 193	\$5, 118, 953 14, 057, 304 19, 706, 678 22, 006, 264 38, 278, 052 33, 525, 953 36, 033, 419 47, 436, 725 54, 778, 834 52, 596, 583 69, 062, 071 49, 505, 021 66, 788, 069 67, 873, 201 70, 222, 147 42, 502, 765 41, 469, 250 29, 802, 040 40, 717, 894 35, 602, 624 43, 893, 145 53, 306, 607 48, 150, 567	\$0. 42 .67 .70 .67 .76 .57 .65 .63 .47 .52 .47 .43 .49 .38 .24 .11 .05 .25 .20 .13 .21	\$0.55 1.63 2.10 2.52 3.53 2.51 1.51 1.58 1.26 94 1.03 63 771 61 43 19 08 03 3 13 10 06 111	Percent 26. 32 109. 19 95. 96 100. 56 268. 96 156. 83 87. 16 97. 00 88. 13 54. 18 72. 64 44. 01 52. 82 59. 36 44. 55 10. 95 4. 83 1. 32 17. 01 10. 12 9. 22 14. 78 15. 36
1938 Average	42, 687, 881	2.06	2.03	37. 52

¹ In all years the quantities produced were not identical with the quantities sold but over a period of time they tended to be equal and in most years are approximately the same.

² Denotes loss.

The net profit on each dollar of net sales of American Viscose Corporation ranged from 76 cents to a loss of 6 cents. During 1919 and 1920 only about one-fourth the selling price was required to produce rayon yarn. The net profit per pound of rayon ranged from \$2.10 to \$3.53 from 1917 to 1920, inclusive. This high profit per pound was possible because of the high prices for rayon yarn at that time. Two important factors must be given weight in regard to the rise in prices; one was the World War, and the other was the monopoly enjoyed by American Viscose Corporation. Reference is made to the discussion heretofore of the prices of rayon yarn, which is briefly reviewed here. In November 1911 the list price of 150 denier rayon yarn from the viscose process was \$1.85 per pound; in April 1914, it was \$2 per pound. By December 1915 the list price had risen to \$3 and, in August 1917, \$4 per pound. It increased to \$6 per pound by February 1920, but dropped back to \$5 in May and \$4 in September that year; and in October 1920 it dropped to \$2.55 per pound. From 1921 to 1929, inclusive, the price ranged from \$1.15 to \$2.80 per pound. During July 1930 the price dropped to \$5 cents per pound, and by June 1932 it had dropped to 55 cents. Since 1932, through 1938, the price has ranged from 49 cents in May 1938 to 65 cents in July 1933. The only year in which American Viscose Corporation had a loss was in 1938, when it had an average loss of 3 cents per pound. This was apparently due to increased costs per pound resulting from decreased sales and possibly other factors, together with the trend of prices. However, other companies made a profit during that year.

It is of interest to compare the net sales, net profit, dividends paid, and reinvested earnings of American Viscose Corporation. The annual net sales are shown heretofore, and the net earnings before deductions for Federal income tax have also been presented. After the provisions for Federal income tax, the balance of the net profit was transferred to surplus. The distribution of these net profits are summarized below for the period from 1915 to 1938, inclusive.

	Totals, 1915-38	Annual average
Net sales.	\$1, 024, 509, 135	\$42, 687, 881
Net profit after provision for Federal income tax	354, 455, 728	14, 768, 989
Dividends paid: In cash on preferred stock. In cash on common stock. Stock dividends consisting of preferred stock issued to common stockholders later retired for cash	13, 689, 696 182, 472, 299 40, 568, 456	570, 404 7, 603, 012 1, 690, 353
Total dividends in cash or redeemed in cash	236, 730, 451	9, 863, 769
Net profit after dividends	117, 725, 277	4, 905, 220
Surplus transferred to surplus reserves Surplus transferred to capital stock Amortization of goodwill Premium and dividends on stock repurchased Other additions to surplus (net)	42, 000, 000 20, 914, 789 25, 682, 470 7, 029, 482 284, 798	
Balance in surplus at the end of 1938.	22, 383, 334	

It was previously shown that in 1915 when the predecessor company of American Viscose Corporation was formed, the net worth of the assets of the original American Viscose Co. was \$3,632,082. This amount represents practically all the capital invested at that time or since by Courtaulds, Ltd., in American Viscose Corporation. At December 31, 1938, the invested capital consisting of common stockholders' equity amounted to \$113,538,834. About 95 percent of the common stock is still retained by Courtaulds, Ltd. Practically all of the \$113,538,834 represents reinvested earnings, with the exception of the \$3,632,082 previously mentioned, and it is very probable that a substantial portion of this amount consisted of reinvested earnings, as the original company had been organized in 1909 and had been operating successfully. The invested capital at the end of 1938, amounting to \$113,538,834, consisted of \$49,155,500 of common stock, \$22,383,334 of surplus, \$42,000,000 of surplus reserves. The latter amount includes reserve for fire insurance of \$25,000,000 and reserve for contingencies, etc., of \$17,000,000.

The foregoing tabulation illustrates the source of the reinvested earnings classified as surplus and surplus reserves. Also from the tabulation it may be seen that \$25,682,470 was used to write off goodwill 1 which had been reflected in the capital-stock account, and that \$20,914,789 of surplus was transferred to the capital-stock account. These amounts plus the original \$3,632,082 more than account for the capital stock amounting to \$49,155,500; the difference may be accounted for by repurchases by the company of small amounts of capital stock

On the original investment of \$3,632,082 in 1915, the investors—primarily Courtaulds, Ltd.—received \$236,730,451 of dividends in cash, or in preferred stock later redeemed for cash, together with \$7,029,482 premium and accured dividends on the stock redeemed, and they also retained practically the entire equity in the business, which was valued at \$113,538,834 at the end of 1938.

¹ Goodwill of \$6,367,918 was recorded on the books of the Viscose Co. at organization in May 1915. Addltional good will amounting to \$19,314,552 arose as the result of the formation of American Viscose Corporation, December 1922.

The net profit per dollar of net sales and per pound of rayon yarn and staple fiber for the rayon department of E. I. du Pont de Nemours & Co. followed somewhat the same trend as for American-Viscose Corporation, except that a profit was made in 1938. The annual net sales, the net profit per dollar and per pound, and the rates of return on the total investment are presented in the following tabulation for the rayon department of E. I. du Pont de Nemours & Co.:

Year	Net sales, E. I. du Pont de Nemours & Co. (rayon department)	Net profit per dollar of net sales	Net profit per pound of rayon yarn and staple fiber produced ¹	Rate of return on total investment (percent)
1921	\$626,784	2 \$0.09	2 \$0. 20	2 2, 13
1922		, 43	1.02	34, 11
1923		. 46	. 97	38, 91
1924	6, 924, 535	. 40	.75	27.88
1925	12, 058, 479	.42	.75	34. 19
1926		. 24	. 31	15, 23
1927		. 29	. 46	27, 01
1928		. 32	. 46	26, 63
1929		. 25	.31	19.04
1930		. 01	. 01	2,90
1931		.09	. 07	4.45
1932		. 03	. 02	1. 21
1933		. 20	.12	12.65
1934		. 14	.08	8.58
1935	30, 294, 142	. 09	. 05	5. 27
1936		. 17	. 10	11.00
1937	39, 145, 579	. 22	. 11	13.10
1938	34, 525, 988	. 09	. 05	4. 15
Average	20, 510, 956	. 19	. 14	11.52

¹ In all years the quantities produced were not identical with the quantities sold, but over a period of time type tend to be equal and in most years are approximately the same. The annual quantities sold, which more nearly relate to the net profits, are not available.

² Denotes loss.

Tables 6a and 6b and 7a and 7b, which follow, show in further detail the investments, profits, and rates of return for American Viscose Corporation (1915–38) and for the rayon department of E. I. du Pont de Nemours & Co. (1921–38).

of innestments another and rates of return for American Viscose Corneration and subsidiaries 1915-88 Tranta G.

Summary of investments, proptis, and rates of return for American Viscose Corporation and substainites, 1915–38	1938 1936 1935 1934 1933 1932 1931 1929 1928	\$89, 155, 500 \$840, 175, 500 \$840, 175, 500 \$849, 187, 500 \$849, 187, 500 \$849, 400, 600 \$849, 4	135, 349, 580 138, 561, 363 138, 174, 836 14 19, 314, 552 19, 314, 552 19, 314, 552	113, 538, 834, 115, 203, 657, 116, 961, 285, 110, 057, 222, 113, 383, 383, 118, 836, 075, 116, 035, 028, 116, 035, 028, 116, 035, 028, 116, 035, 028, 116, 035, 038, 035, 116, 035, 038, 035, 116, 035, 038, 035, 116, 035, 038, 035, 038, 038, 038, 038, 038, 038, 038, 038	70, 675, 645 644, 910, 086 65, 085, 695, 521, 887, 874, 869, 556, 909, 556, 520, 682, 299, 583, 972, 256, 573, 849 80, 223, 575, 597 63, 591, 506, 521, 587, 521, 588, 520, 589, 560, 599, 556, 599, 556, 599, 556, 599, 556, 599, 556, 599, 556, 599, 556, 599, 599
merican V	1934	32, 175, 883 33, 32, 000, 000 34	13, 363, 383	113, 363, 383 118 54, 155, 500 58	59, 207, 883, 55 56, 550, 909, 355 \$6, 026, 636 \$11 10, 12 \$8, 095, 302 \$11 6, 97
turn jor A	1935	\$49, 187, 500 \$ 18, 869, 722 42, 000, 000	110, 057, 222 1	110, 057, 222 51, 795, 386	58, 261, 836 \$5, 414, 873 \$5, 414, 873 9, 22 \$111,710,302 \$7, 290, 195
ates of ret	1936	\$49, 175, 000 25, 816, 265 42, 000, 000	116, 991, 265	116, 991, 265 51, 922, 660	65, 068, 605 \$61, 665, 221 \$9, 113, 936 113,524,244 \$10, 978, 817
nts, and r	1937	\$49, 155, 500 24, 048, 157 42, 000, 000	115, 203, 657	115, 203, 657 50, 293, 571	64, 910, 086 \$64, 989, 346 \$9, 980, 515 15.36 \$116,097,461 \$11,791, 682
ents, pro	1938	\$49, 155, 500 22, 383, 334 42, 000, 000	113, 538, 834	538,	79, 675, 645 \$72, 292, 865 \$\$3, 140, 846 \$114,371,246 \$1, 900, 334
of investm	Annual				\$44, 460, 920 \$16, 683, 207 37, 52 \$86, 199, 305 \$18, 330, 749
TABLE 6A.—Summary o		Capital stock: Preferred Common Surplus Surplus Reserves. Reserve for Federal income and profits	Total Less goodwill	Total investment	Total investment in principal Average investment in rayon business. Net profit applicable to rayon business. Rate of return on rayon business. Rate of return on rayon business. Average total investment. Net profit applicable to total investment. Rate of return on total investment.

Principally Government securities and obligations 1 Indicates loss.

Table 61.—Summary of investments, profits, and rates of return for American Viscose Corporation and subsidiaries, 1915-38—Continued

. 1915	110, 000, 000 444, 129 700, 000	26, 303 3, 000, 000	14, 170, 432 6, 367, 918	7, 802, 514	7, 802, 514	\$7,802,514	\$2, 053, 688	26.32 \$7,802,514	\$2,053,688	26.32
1916	\$10,000,000 \$10,	214, 785	15, 595, 655 6, 367, 918	9, 227, 737	9, 227, 737	\$8, 515, 125	\$9, 297, 590	109.19 \$8, 515, 125	\$9, 297, 590	109, 19
1917	\$10,000,000 8,120,751	7, 250, 000	25, 370, 751 6, 367, 918	19, 002, 833	19, 002, 833	\$14, 115, 285	\$13, 544, 710	100.56 95.96 493, 151 \$14, 115, 285	\$13, 544, 710	95. 96
1918	\$10, 000, 000 8, 981, 659	12, 373, 737, 11, 369, 727	30, 351, 386 6, 367, 918	23, 983, 468 14, 167, 596	9, 815, 872	999 \$10, 677, 262 \$14, 409, 352 \$14, 115, 285	717, 753 \$14, 490, 319 \$13,		\$14, 935, 062 \$13,	69. 49
1919	\$10, 000, 000 20, 916, 593	12, 373, 737	43, 290, 330 6, 367, 918	36, 922, 412 25, 383, 760	11, 538, 652	\$10, 677, 262	\$28, 717, 753	\$30, 452, 940 \$21	\$29, 543, 991 \$14,	97.02
1920	\$41, 582, 000 \$41, 582, 000 51, 977, 500 \$10, 000, 000, 810, 000, 000 \$10, 000, 000 \$10, 000, 000	10, 005, 045	50, 882, 620 6, 367, 918	44, 514, 702 24, 459, 356	20, 055, 346	\$15, 796,	\$24, 774, 790 \$28,	87. 16 156. 83 360, 081 \$40, 718, 557 \$30,	576, 076 \$26, 143, 901 \$29,	64.21
1921	\$10, 000, 000 41, 036, 247	7, 537, 131	58, 573, 378 6, 367, 918	52, 205, 460 25, 249, 674	26, 955, 786	\$23, 505, 566	\$20, 488, 246 \$24,	\$48, 360, 081		44. 62
1923	\$41, 582, 000 51, 977, 500	3, 861, 677	97, 421, 177 25, 675, 819	71, 745, 358 35, 888, 963	35, 856, 395	641, 483 \$31, 406, 090	431 \$30, 464, 311 \$20,	97.00 \$61, 975, 409	991, 171 \$31, 704, 164 \$21,	51.16
1923	\$41, 582, 000 51, 977, 500 20, 514, 852 1, 100, 000	4, 336, 086	119, 510, 438 25, 675, 819	93, 834, 619 52, 408, 047	41, 426, 572	\$38, 641, 483	\$34, 053, 431	\$82, 789, 989	\$35, 991, 171	43.47
1924	\$41, 582, 000 51, 977, 500 10, 284, 729 25, 100, 000	6, 226, 725	135, 170, 954 25, 675, 819	109, 495, 135 59, 695, 385	49, 799, 750	937 \$45, 613, 161	394, 473 \$24, 712, 805 \$34, 053,	\$101,664,877	461, 087 \$27, 075, 432 \$35,	26. 63
1925	0 \$41, 600, 000 \$41, 582, 000 \$4 0 52, 000, 000 51, 977, 500 5 8 30, 153, 705 10, 284, 729 2 0 25, 100, 000 25, 100, 000	4, 840, 000	904 153, 693, 705 135, 170, 954 119, 510, 438 470 25, 682, 470 25, 675, 819 25, 675, 819	434 128, 011, 235 109, 540 80, 363, 111 59,	56, 021, 894 47, 648, 124	\$18, 723, 937	\$35, 394, 473	52. 82 \$121,869,569 (\$125,343,834 (\$\$118,755,185 (\$\$101,664,877 (\$\$82,789,989 (\$\$61, 975,409 (\$\$48.18))	\$38, 461, 087	32.39
1926	28, 807, 60 49, 250, 00 38, 934, 32 28, 100, 00	3, 266, 97	148, 358, 25, 682,	121, 062, 705 122, 676, 434 65, 912, 876 66, 654, 540		\$51, 835, 009 \$18, 723,	511 \$23, 846, 723 \$35,	46.01 \$125,343,834	\$27, 261, 845 \$38,	21.75
1927	\$13, 807, 600 \$49, 400, 000 41, 133, 820 32, 000, 000	4, 035, 837	140, 377, 257 19, 314, 552	121, 062, 705 65, 912, 876	55, 149, 829	\$55, 585, 862 \$51,	\$29, 360, 511	52.82 \$121,869,569	\$31, 913, 593 \$27	26.19
	Capital stock: Preferred Common Surplus.	al income	Total Less goodwill	Total investment Less outside investments 1	Total investment in principal business	100		. 1 1	oral	vastmentpercent

1 Principally Government securities and obligations.

Table 68.—Summary of income, expenses, and surplus for American Viscose Corporation and subsidiaries, 1915-33

	Total	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928
Net sales	\$1, 024, 509, 135	\$12, 074, 969	\$48, 150, 567	\$53, 306, 607	\$43, 893, 145	\$35, 602, 624	\$40, 717, 894	\$29, 802, 040	\$41, 469, 250	\$42, 502, 765	\$70, 222, 147	\$67, 873, 201
	525, 497, 320	37, 736, 755	32, 061, 203	37, 235, 631	33, 702, 519	24, 161, 825	26, 102, 668	24, 064, 105	31, 559, 152	26, 100, 293	37, 019, 790	29, 352, 699
Administration and distribution expense. Depreciation.	26, 824, 840 60, 149, 498	2, 653, 385	2, 208, 459	1, 941, 549 3, 123, 634	1, 454, 116 3, 078, 831	1, 303, 145 3, 053, 685	1, 102, 765 3, 461, 620	1, 202, 526 3, 189, 694	1, 271, 754 3, 870, 716	1, 399, 200 4, 740, 070	1, 420, 396	1, 279, 804 4, 312, 084
Total operating expense	612, 471, 658	44, 592, 293	37, 533, 991	42, 300, 814	38, 235, 466	28, 518, 655	30, 667, 053	28, 456, 325	36, 701, 622	32, 239, 563	43, 197, 313	34, 944, 587
Net income from operations	412, 037, 477 12, 078, 831	1 2, 517, 324 147, 972	10, 616, 576 1, 038, 964	11, 005, 793	5, 657, 679 612, 907	7,083,969	10, 050, 841 606, 080	1, 345, 715	4, 767, 628	10, 263, 202 473, 880	27, 024, 834 874, 441	32, 928, 614 670, 490
Total Other deductions	424, 116, 308 23, 719, 342	1 2, 369, 352	11, 715, 540 1, 735, 025	11, 735, 755 2, 621, 819	6, 270, 586 855, 713	7, 199, 824 1, 173, 188	10, 656, 921 509, 362	1, 701, 111 868, 496	5, 186, 403 1, 636, 354	10, 737, 082 2, 848, 407	27, 899, 275 1, 329, 646	33, 599, 104 784, 629
Net profit applicable to principal business Add_interest on outside investments	400, 396, 966 39, 541,,000	13, 140, 846 1, 240, 512	9, 980, 515 1, 811, 167	9, 113, 936 1, 864, 881	5, 414, 873 1, 875, 322	6, 026, 636 2, 068, 666	10, 147, 059 2, 034, 403	832, 615 1, 852, 882	3, 550, 049 1, 676, 466	7, 888, 675	26, 569, 629 2, 220, 380	32, 814, 475 2, 873, 956
Net income applicable to total invest- ment. Less interest on long-term debt.	439, 937, 966 280, 685	937, 966 1 1, 900, 334 280, 685	11, 791, 682	10, 978, 817	7, 290, 195	8, 095, 302	12, 181, 462	2, 685, 497	5, 226, 515	9, 608, 080	28, 790, 009	35, 688, 431
Net profit. Less Federal Income and excess-profits, taxes.	439, 657, 281	1,1,900,334	11, 791, 682	10, 978, 817	7, 290, 195	8,095,302	12, 181, 462 1, 667, 897	2, 685, 497	5, 226, 515	9, 608, 080	28, 790, 009 3, 132, 449	35, 688, 431 4, 130, 654
Net profit after Federal income tax	354, 455, 728	1.1, 924, 344	10, 174, 434	9, 433, 383	6, 330, 801	7, 206, 481	10, 513, 565	2, 503, 968	4, 783, 197	8, 395, 263	25, 657, 560	31, 557, 777
Surplus at beginning of year	354, 455, 728	24, 048, 157 1 1, 924, 344	25, 816, 265 10, 174, 434	18, 869, 722 9, 433, 383	32, 175, 883 6, 330, 801	37, 436, 075 7, 206, 481	30, 562, 449 10, 513, 565	53, 506, 262 2, 503, 968	55, 987, 195 4, 783, 197	53, 642, 295 8, 395, 263	46. 866, 628 25, 657, 560	41, 133, 820
Total Less dividends paid	354, 455, 728 236, 730, 451	22, 123, 813	35, 990, 699 12, 292, 275	28, 303, 105 2, 458, 875	38, 506, 684 9, 837, 500	44, 642, 556 12, 323, 625	41, 076, 014	56, 010, 230 5, 928, 000	60, 770, 392 7, 410, 000	62, 037, 558 5, 928, 000	72, 524, 188 17, 674, 516	72, 691, 597 25, 666, 532
Balance	117, 725, 277	22, 123, 813	23, 698, 424	25,844,230	28, 669, 184	32, 318, 931	36, 136, 014	50, 082, 230	53, 360, 392	56, 109, 558	54, 849, 672	47 025, 065

Denotes loss.
Surplus addition.

Table 68.—Summary of income, expenses, and surplus for American Viscose Corporation and subsidiaries, 1915-38—Continued

		Total	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928
Other deductions: Transfers to surplus reserves. Surplus capitalized on reorganiza- tion Goodwill written off	rsa-	20, 914, 789 25, 682, 470	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10, 000, 000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 660 1 1 3 1 1 3 1 1 1 1 1 1 1	\$19, 314, 552	1 1 3 1 1 1 3 2 1 1 1 3 1 1 3 4 5 7 1 1 3 4 4 8 4 4 8 1 4 1 1	1 4 4 1 J 1 3 J 1 4 I 1 5 J 1 5 J 1 5 J 1 5 J 1 7 J 1 7 J 1 8 J 1 8 J 1 9 J 1 9 J 1 9 J 1 9 J 1 9 J 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ra 33		7, 029, 482		\$47,000	\$25, 528	3 \$640.105	\$290, 375			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$200,000	\$1,380,760	8300,000
Profit on sale of capital ass net. Miscellaneous items	assets	2, 488, 767 2, 505, 926	\$125, 229 2 384, 750	414, 387 2 811, 126	2, 437	, 273, 242 712, 809	250, 618 2 103, 291	2\$1, 331, 244 31, 183	205, 229	2 \$108, 657. 2 37, 213	2 77, 637	2 199, 367 2 274, 016	2 88, 125 2 53, 438
Surplus at end of year		22, 383, 334	22, 383, 334	24, 048, 157	25, 816, 265	18, 869, 722	32, 175, 883	37, 436, 075	30, 562, 449	53, 506, 262	55, 987, 195	53, 642, 295	46, 866, 628
	1927	1926	1925	1924	1923	1922	1921	1920	6161	8161	1917	1916	1915
Net sales	\$66, 788, 069	\$49, 505, 021	\$69, 062, 071	\$52, 596, 583	\$54, 778, 834	\$49, 505, 021 \$69, 062, 071 \$52, 596, 583 \$54, 778, 834 \$47, 436, 725 \$36, 633, 419 \$33, 525, 953 \$38, 278, 652 \$22, 006, 284	\$36, 033, 419	\$33, 525, 953	\$38, 278, 052	\$22, 006, 264	\$19, 706, 678 \$14, 057, 304 \$5, 118, 953	\$14,057,304	\$5, 118, 953
Manufacturing cost	33, 539, 986	22, 260, 741	28, 589, 694	23, 639, 604	16, 363, 856	14,061,139	13, 837, 560	7, 437, 463	8, 143, 531	6, 379, 867	5, 304, 639	4, 157, 432	2, 685, 168
tion expense	652, 371 3, 565, 375	641, 027 3, 093, 843	1,846,816 2,935,216	1, 521, 778 2, 571, 952	1, 430, 765 2, 370, 103	972, 414 1, 373, 067	647, 905 846, 891	467, 025 524, 511	442, 968 482, 486	349, 584 559, 860	253, 750 394, 396	179,828 274,131	181, 510 . 103, 724
Total operating expense.	37, 757, 732	25, 995, 611	33, 371, 726	27, 733, 334	20, 164, 724	16, 406, 629	15, 332, 356	8, 428, 999	9, 068, 985	7, 289, 311	5, 952, 785	4, 611, 391	2, 970, 402
Net income from operations	29, 030, 337	23, 509, 410 1, 931, 485	35, 690, 345 710, 760	24, 863, 249 448, 482	34, 614, 110 422, 963	31, 030, 105 329, 192	20, 701, 063	25, 096, 954 221, 093	29, 209, 067 126, 900	14, 716, 953 88, 315	13, 753, 893 200, 476	9, 445, 913	2, 148, 551 21, 607
Total Total Other deductions	30, 166, 832	25, 440, 895 1, 594, 172	36, 401, 105 1, 006, 632	25, 311, 731	35, 037, 073 983, 642	31, 359, 297 894, 986	20, 934, 392	25, 318, 047 543, 257	29, 335, 967 618, 214	14, 805, 268 314, 949	13, 954, 369 409, 659	9, 548, 925 251, 335	2, 170, 158 116, 470
licable to princi- on outside in-	360,	64	35, 394,	24, 712,	(3)	30, 464,	20, 488, 246	1 64	28, 717, 753	14, 490, 319	13, 544, 710	9, 297, 590	2, 053, 688
Vestment	2, 553, 082	3, 415, 122	3, 066, 614	2, 362, 627	1, 937, 740	1, 239, 853	1, 087, 830	1, 369, 111	826, 238	444, 743		1 1 1	
Net income applicable to total investment Less interest on long-term debt.	31, 913, 593	27, 261, 845	38, 461, 087	27, 075, 432	55, 991, 171	31, 704, 164	21, 576, 076	26, 143, 901	29, 543, 991	14, 935, 062	13, 544, 710	9, 297, 590	2, 053, 688 133, 356
Net profit.	31, 913, 593	27, 261, 845	38, 461, 087	27, 075, 432.	35, 991, 171	31, 704, 164	21, 576, 076	26, 143, 901		29, 543, 991 14, 935, 062	13, 544, 710	9, 150, 261	1, 920, 332

726, 203	1, 194, 129	1, 194, 129	1, 194, 129	444, 129			1	1 1	444, 129
			, 544 1, 1				1	, 325	
2, 651, 846	6, 498, 415	6,	6, 942, 544 3, 150, 000	3, 792, 544	3 6 4 1 1			1 588,	4, 380, 869
7, 304, 828	6, 239, 882	4, 380, 869 6, 239, 882	10, 620, 751 2, 500, 000	8, 120, 751		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8, 120, 751
11, 074, 154	3, 860, 908	8, 120, 751 3, 860, 908	11, 981, 659	8, 981, 659			1		8, 981, 659
9, 885, 318 12, 254, 010 11, 074, 154	17, 289, 981	8, 981, 659 17, 289, 981	26, 271, 640 6, 000, 000	20, 271, 640				106, 806	20, 916, 593
9, 885, 318	16, 258, 583	20, 916, 593 16, 258, 583	37, 175, 176 6, 000, 000	31, 175, 176				297, 601	30, 877, 575
7, 450, 000	14, 126, 076	30, 877, 575 14, 126, 076	45,003,651	41, 003, 651				1 32, 596	41, 036, 247
3, 861, 677	27, 842, 487	41, 036, 247 27, 842, 487	68, 878, 734 48, 202, 000	20, 676, 734	20 914 789			1 323, 007 84, 952	
4, 336, 087	31, 655, 084	31, 655, 084	31, 655, 084 8, 113, 890	23, 541, 194	1, 100, 000		2, 250, 000	1 329, 526 5, 868	20, 514, 852
3, 119, 051	23, 956, 381	20, 514, 852 23, 956, 381	44, 471, 233 10, 188, 940	34, 282, 293	24, 000, 000			1 2, 436	10, 284, 729
4, 849, 000	33, 621, 087	10, 284, 729 33, 621, 087	43, 905, 816 13, 312, 000	30, 593, 816				1 103, 123 543, 234	30, 153, 705
+817,856	28, 079, 701	30, 153, 705 28, 079, 701	58, 233, 406 12, 344, 266	45, 889, 140	3, 000, 000	3, 523, 319		431, 493	38, 934, 328
2, 712, 664	29, 200, 929	38, 934, 328 29, 200, 929	68, 135, 257 14, 710, 032	53, 425, 225	3, 900, 000	6, 367, 918	300, 000	1 50, 643 11, 630	41, 133, 820
Less Federal income and excess-profits taxes	Net profit after Federal in- come tax	Surplus at beginning of year	Total	Balance	Other deductions: Transfers to surplus re- serves Surplus capitalized on re- oreanlyation	Goodwill written off Premium and dividends on stock repurchased	tion reserve	assets (net)	Surplus at end of year

Denotes loss.
Surplus addition.

Table 7a.—Summary of investments, profits, and rates of return for rayon department of E. I. du Pont de Nemours & Co., 1921-381

1930	\$9, 670, 690	000 100, 000	18 21, 582, 190 89 33, 821, 589	11, 351	1	62 42, 021, 440	50 3, 603, 277	50 3, 603, 277	12 38, 418, 163	38 41, 146, 085 81 371, 946 45 30. 90
1931	\$5, 940, 855	100,000	47, 118 33, 821, 589			39, 909, 562	4, 265, 050	4, 265, 050	35, 644, 512	37, 031, 338 1, 648, 681 4. 45
1932	\$3, 114, 583	100,000	2 138, 363 33, 821, 589	137, 400		37, 035, 209	5, 619, 696	5, 619, 696	31, 415, 513	33, 530, 013 407, 072 1. 21
1933	\$4, 219, 394	100,000	448, 096 33, 821, 589	299, 842 631, 773		39, 520, 694	6, 119, 429	6, 119, 429	33, 401, 265	32, 408, 389 4, 908, 499 12. 65
1934	\$5, 755, 490	100,000	251, 209 43, 511, 589	422, 366		50, 040, 654	6, 059, 585	6, 059, 585	43, 981, 069	38, 691, 167 3, 320, 703 8, 58
1935	\$10, 207, 044	100,000	124, 072 43, 511, 589	15, 850 366, 513		54, 325, 068	6, 259, 035	6, 259, 035	48, 066, 033	46, 023, 551 2, 425, 275 5. 27
1936					\$10, 330, 034	70, 330, 694	18, 396, 094	18, 396, 094	51, 934, 600	50,000,317 5,500,675 11.00
1937	1				378, 334, 738	78, 534, 738	21, 207, 632	21, 207, 632	57, 327, 106	54, 630, 853 7, 154, 255 13. 10
1938			1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	90, 321, 769	24, 331, 393	24, 331, 393	65, 990, 376	61, 658, 741 2, 555, 931 4, 15
Annual			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 2 1 3 1 5 1 5 1 5 1 5 1 7						\$30, 216, 440 3, 480, 822 11. 52
	Capital advances. Capital stock:	Preferred (7 percent nonvoting)	Surplus: Earned Paid in	Surplus reserves: Contingency reserve. Reserve for Federal income and profits taxes.	Operative investment—1936 to 1938, inclusive	Total gross investment.	Less: Depreciation on rayon division—1936 to 1938, in- classive Investment allocated to products other than rayon—1929 to 1935, inclusive	Total deductions	Net total investment	A verage total investment. Net profit applicable to total investment. Rate of return on total investment (percent).

	1929	1928	1927	1926	1925	1924	1923	1922	1921	Jan. 31, 1921
	\$10,015,652			-					2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
onvoting)	100,000	\$8, 916, 395 9, 839, 313	\$5, 729, 100 9, 350, 693	\$5, 729, 100 £, 216, 749	\$3, 854, 395 8, 964, 450	\$599, 851	\$599, 941 3, 592, 500	\$3, 500, 000	\$3, 284, 000	\$2, 519, 000
Surplus: Earned Parl in	915, 907	13, 236, 559	10, 356, 284	6, 994, 350	4, 538, 399	5, 469, 916	3, 287, 490	1, 148, 375	2 58, 734	2, 447
Surplus reserves:							,			
Reserve for Federal income and profits taxes. Operative investment—1936 to 1938, inclusive.	273, 328	958, 688	903, 285	444, 038	618, 616	311, 265	305, 594	163, 469	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 1 1 1 0 6 0 0 6 1 1 1 1 1 1 1 1 1 1 0 0 7 7 1 9 0 4 1 0 1 1 0 1
Total gross investment	45, 126, 476	32, 950, 955	26, 339, 362	22, 384, 237	17, 975, 860	10, 104, 682	7, 785, 525	4, 811, 844	3, 225, 266	2, 521, 447
Less: Depreciation on rayon division—1936 to 1938, in-										
Investment allocated to products other than rayon—1929 to 1935, inclusive.	1, 252, 470			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	b 1 1 1 1 1 1 1 1 1	t				1
Total deductions	1, 252, 470			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Net total investment	43, 874, 006	32, 950, 955	26, 339, 362	22, 384, 237	17, 975, 860	10, 104, 682	7, 785, 525	4,811,844	3, 225, 226	2, 521, 447
Average total investment. Net profits applicable to total investment. Rate of return on total investment (percent)	38, 412, 481 7, 313, 180 19, 04	29, 645, 159 7, 893, 343 26, 63	24, 361, 800 6, 580, 831 27. 01	20, 180, 049 3, 074, 091 15. 23	14, 040, 271 4, 800, 112 34. 19	8, 945, 104 2, 493, 686 27. 88	6, 298, 685 2, 450, 963 38. 91	4, 018, 555 1, 370, 578 34. 11	2,873,357 3 61,141 3 2.13	

Includes Du Pont Fibersilk Co., 1921-24; Du Pont Rayon Co., 1925-35; rayon department of E. I. du Pont de Nemours & Co., 1936-38. 3 Denotes loss.

Table 7b.—Summary of income, expenses, and surplus for rayon department of E. I. du Pont de Nemours & Co., 1921-38 1

TABLE 10 Summing 9 of meonic, expenses, and surpose department of 12. 1. and 10 m de tremours at co., 10.1.	income, ex	verteers, untu	of and inc	fan makni i	rai emerica of	L. 1. um 1	one ae thei	nomo mon	0., 1001 00	
	Total	1938	1937	1936	1935	1934	1933	1932	1931	1930
Net sales	\$369, 197, 212	\$34, 525, 988	\$39, 145, 579	\$38, 029, 402	\$30, 294, 142	\$24, 447, 709	\$21, 578, 730	\$15, 458, 060	\$19, 698, 278	\$22, 145, 405
Manufacturing cost (not including depre- ciation). Depreciation Administration and distribution expenses.	240, 204, 934 31, 003, 267 28, 286, 091	24, 545, 911 3, 416, 820 3, 450, 604	24, 414, 463 2, 972, 943 3, 085, 259	25, 856, 842 2, 750, 338 2, 924, 154	22, 388, 108 2, 544, 517 2, 595, 818	16, 677, 798 2, 108, 562 2, 190, 458	13, 563, 143 1, 892, 036 1, 802, 932	11, 394, 925 1, 838, 318 1, 722, 176	13, 937, 576 1, 806, 762 2, 115, 011	17, 168, 683 2, 617, 673 2, 185, 140
Total operating expenses	299, 494, 292	31, 413, 371	30, 472, 665	31, 531, 334	27, 528, 443	20, 976, 818	17, 258, 111	14, 955, 419	17, 859, 349	21, 971, 496
Net income from operations	69, 702, 920 1, 082, 713	3, 112, 617	8, 672, 914	6, 498, 068	2, 765, 699 6, 016	3, 470, 891	4, 320, 619 9, 632	502, 641 8, 270	1,838,929	173, 909 69, 532
Total Other deductions.	70, 785, 633 8, 130, 845	3, 112, 617 556, 686	8, 672, 914 1, 518, 659	6, 501, 737 1, 001, 062	2, 771, 745 346, 470	3, 472, 601 151, 898	4, 330, 251 231, 752	510, 911 103, 839	1, 873, 919 225, 238	243, 441 615, 387
Net income applicable to total investment. Less Federal income and profit taxes.	62, 654, 788 8, 554, 121	2, 555, 931 403, 649	7, 154, 255 1, 144, 190	5, 500, 675 783, 073	2, 425, 275 366, 513	3, 320, 703 422, 366	4, 098, 499 631, 774	407,072 57,868	1, 648, 681 159, 583	² 371, 946 11, 351
Net income for year	54, 100, 667	2, 152, 282	6, 010, 065	4, 717, 602	2,058,762	2, 898, 337	3, 466, 725	349, 204	1, 489, 098	1 383, 297
Surplus at beginning of year	2, 407	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	251, 209	448, 096 2, 898, 337	3 138, 363 3, 466, 725	47, 118 349, 204	3 1, 582, 190 1, 489, 098	909, 538
Total Less dividends	41, 223, 124 23, 232, 651	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		* 1	2, 309, 971 2, 185, 900	3, 346, 433 2, 464, 100	3, 328, 362 3, 628, 900	396, 322 582, 000	3 93, 092	526, 241 2, 031, 000
Total Net deductions from surplus '	17, 990, 473 17, 990, 473	1 4 1 1 1 1 1 1 1 1	1 b 1 1 1 f 1 f 1 f 1 f 1 f 1 f 1 f 1 f 1 f	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. 124, 071 124, 071	882, 333 631, 124	3 300, 538 5 748, 634	3 185, 678 5 47, 315	3 93, 092 5 140, 210	3 1, 564, 759 17, 431
Surplus at end of year				,		251, 209	418,096	3 138, 363	47,118	3 1, 582, 190

	1929	1928	1927	1926	1925	1924	1923	1922	1921
Net sales.	\$30, 123, 469	\$26, 441, 740	\$23, 939, 906	\$14, 478, 146	\$12,058,479	\$6,924,535	\$5, 838, 491	\$3, 442, 369	\$626, 784
Manufacturing cost (not including depreciation). Depreciation. Administration and distribution expenses.	18, 258, 328 2, 162, 717 2, 051, 579	14, 758, 483 1, 569, 416 1, 685, 432	14, 290, 432 1, 735, 185 965, 250	8, 789, 545 1, 754, 635 530, 082	5,844,890 824,910 311,901	3, 565, 917 372, 735 225, 192	2, 614, 499 334, 405 229, 988	1,616,171 195,797 155,522	519, 220 105, 498 59, 557
Total operating expenses	22, 472, 624	18, 013, 331	16, 990, 867	11,074,262	6, 981, 701	4, 163, 844	3, 178, 892	1, 967, 490	684, 275
Net income from operations	7, 650, 845	8, 428, 409	6, 949, 039	3, 403, 884	5, 076, 778	2, 760, 691 71, 930	2, 659, 599 60, 665	1, 474, 879 9, 857	2 57, 491 4, 698
Total.	7, 726, 327	8, 672, 851	7, 119, 535	3, 600, 164 526, 073	5, 191, 792	2, 832, 621 338, 935	2, 720, 264 269, 301	1, 484, 736 114, 158	2 52, 793 8, 348
Net income applicable to total investment. Less Federal income and profit taxes.	7, 313, 180	7, 893, 343	6, 580, 831	3, 074, 091 485, 993	4, 800, 112 623, 445	2, 493, 686 306, 376	2, 450, 963 302, 910	1, 370, 578 163, 469	2 61, 141
Net income for year	6, 497, 384	6, 924, 592	5, 673, 817	2, 588, 098	4, 716, 667	2, 187, 310	2, 148, 053	1, 207, 109	2 61, 141
Surplus at beginning of year	12, 739, 783 6, 497, 384	10,083,364 6,924,591	6, 721, 430 5, 673, 817	4, 538, 399 2, 588, 098	5, 469, 916 4, 176, 667	3, 287, 490 2, 187, 310	1, 148, 375 2, 148, 053	³ 58, 734 1, 207, 109	2, 407 2 61, 141
Total Less dividends	19, 237, 167 5, 296, 555	17, 007, 955 4, 267, 736	12, 395, 247 2, 311, 728	7, 126, 497 404, 732	9, 646, 583	5, 474, 800	3, 296, 428	1, 148, 375	3 58, 734
Total Net deductions from surplus '	13, 940, 612 13, 031, 074	12, 740, 219	10, 083, 519	6, 721, 765 335	9, 646, 583 5, 108, 184	5, 474, 800 4, 884	3, 296, 428 8, 938	1, 148, 375	3 58, 734
Surplus at end of year	909, 538	12, 739, 783	10, 083, 364	6, 721, 430	4, 538, 399	5, 469, 916	3, 287, 490	1, 148, 375	3 58, 734

Includes du Pont Fibersilk Co., 1921-24; du Pont Rayon Co., 1925-35; Rayon Department of E. I. du Pont de Nemours & Co., 1936-38.

**Surplus deficit.

**Surplus deficit.

**Surplus deficit.

**Surplus additions.





