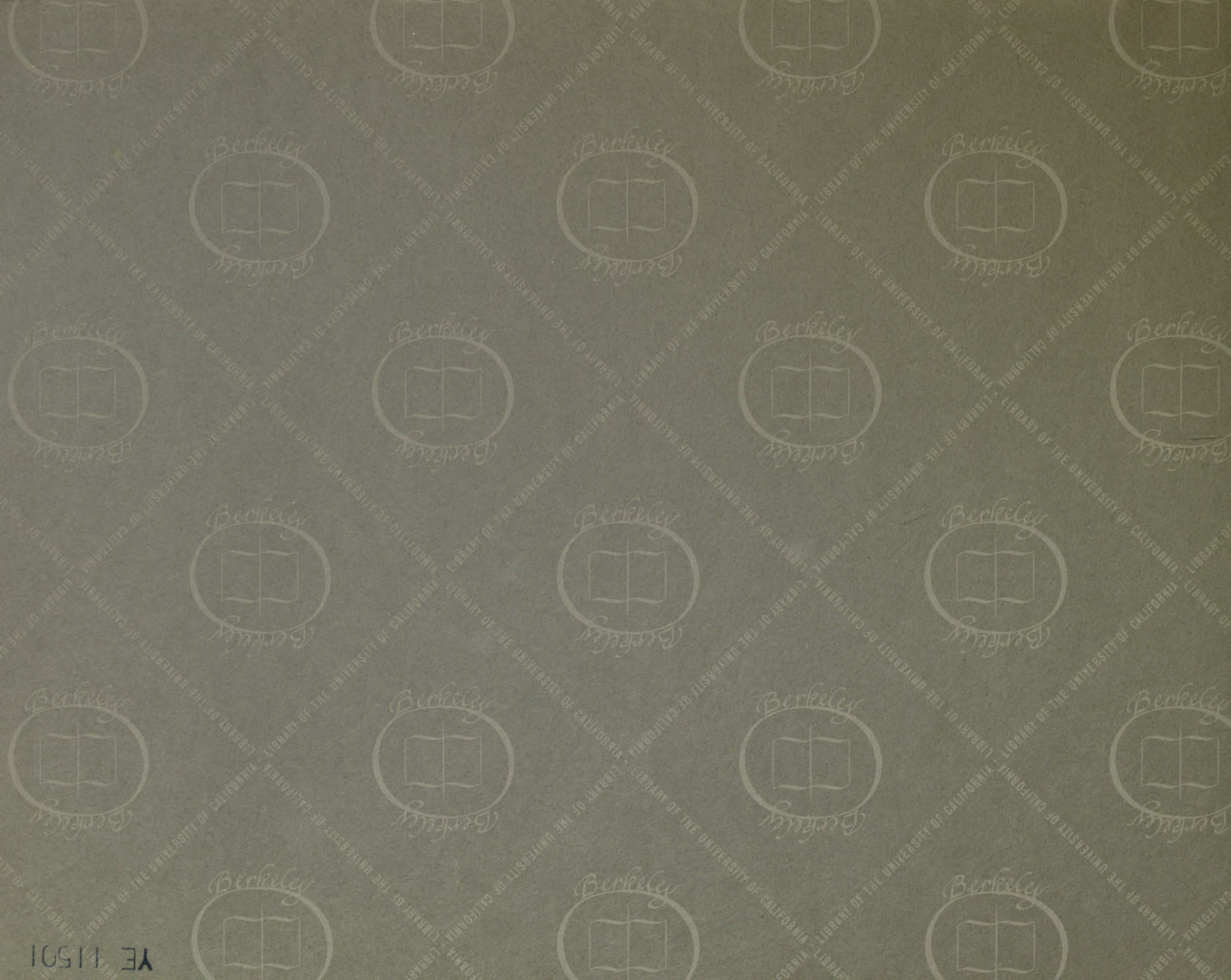


1897



ILLINOIS STEEL COMPANY.

JANUARY 1st, 1897.

SECTIONS OF RAILS AND SPLICE BARS.

1897.

GENERAL OFFICES: THE ROOKERY, CHICAGO, ILL.

BRANCH OFFICES:

NEW YORK, N. Y.

NEW ORLEANS, LA.

CLEVELAND, O.

ST. LOUIS, MO.

ST. PAUL, MINN.

DENVER, COL.

LONDON, ENGLAND.

Div. of
California

ILLINOIS STEEL COMPANY

TF260
I6

SECTIONS OF RAILS AND SPLICE BARS.

1897.
444

GENERAL OFFICES: THE ROOKERY, CHICAGO, ILL.

BRANCH OFFICES:

- NEW YORK, N. Y.
- NEW ORLEANS, LA.
- CLEVELAND, O.
- LONDON, ENGLAND.
- ST. LOUIS, MO.
- ST. PAUL, MINN.
- DENVER, COL.

ILLINOIS STEEL COMPANY.

STANDARD SPECIFICATIONS FOR STEEL RAILS.

JANUARY 1st, 1897.

SECTION 1. The section of the rail throughout its entire length shall conform to the American Society of Civil Engineers' Standard () pounds per yard.

The fit of the fishing or male templet shall be perfectly maintained. When the rolls are new the section of the rail may be one-sixty-fourth ($1/64$) of an inch low. As the rolling proceeds, a variation not exceeding one-thirty-second ($1/32$) of an inch in excess of height over templet may be permitted in a delivery of ten thousand (10,000) tons of rails, after which the rolls must be reduced to standard height of such sections.

The standard of measure to be Brown & Sharp United States Standard Steel Vernier Caliper Rule.

WEIGHTS.

SEC. 2. The weight of the rail shall be kept as near to () pounds per yard as is practical after complying with Section No. 1. The rails shall be accepted and settled for according to actual weights.

LENGTHS.

SEC. 3. The standard length of rail shall be thirty (30) feet, at a temperature of seventy (70) degrees Fahrenheit. Shorter rails having length of twenty-nine (29) to twenty-two (22) feet, inclusive, shall be accepted to the extent of ten (10) per cent. of the entire order.

A variation in length of one-fourth ($1/4$) inch over or under the specified length will be allowed.

CAMBERING AND STRAIGHTENING.

SEC. 4. Care to be taken in cambering the rails so as to reduce the amount of work in the straightening press to a minimum. The rails must be straight in all directions as to both surface and line, without twists or kinks.

FINISH.

SEC. 5. The rails must be smooth on the head and base, and free from all mechanical defects and flaws, and must be sawed square at the ends; the burrs made by the saws must be carefully chipped and filed off, particularly under the head and on the top of the flange, to insure proper fit of the angle bars.

DRILLING.

SEC. 6. The drilling for the bolts to be in strict conformity with the blue print attached, or the dimensions given.

Holes imperfectly drilled to be filed to proper dimensions. All holes must be accurate in every respect.

BRANDING.

SEC. 7. The section number, name of maker, year and month, to be rolled on the side of the web. The number of the heat to be stamped in the side of the web.

CHEMICAL COMPOSITION.

SEC. 8. The chemical composition of standard rails under seventy (70) pounds per yard to be as follows:

| | | | |
|----------------------------|------------|-----------------------------|-------------|
| Carbon..... | .37 to .45 | Phosphorus not to exceed... | .10 |
| Sulphur not to exceed..... | .05 | Silicon..... | .07 to .15 |
| Manganese..... | | | .70 to 1.10 |

The chemical composition of rails seventy (70) pounds and over per yard to be as follows:

| | | | |
|----------------------------|------------|-----------------------------|-------------|
| Carbon..... | .45 to .55 | Phosphorus not to exceed... | .10 |
| Sulphur not to exceed..... | .05 | Silicon..... | .10 to .20 |
| Manganese..... | | | .80 to 1.00 |

TEST INGOTS.

SEC. 9. From each heat one test ingot shall be cast $2\frac{1}{4} \times 2\frac{1}{4} \times 6$ inches long. This to be drawn down at one heat by hammering to a test piece three-eighths ($3/8$) inches square by eighteen (18) to twenty (20) inches long. The same when cold to be required to bend to a right angle without breaking. This bar must be bent by blows from a hammer.

CUTTING TO BLOOMS.

SEC. 10. After cutting off or allowing for the sand on the top end of the ingot, at least twelve (12) inches more of seemingly solid steel shall be cut off that end of the bloom. If after cutting such length the steel does not look solid, the cutting shall be continued until it does.

INSPECTION.

SEC. 11. The inspector representing the purchaser shall have free entry to the works of the manufacturer at all times while his contract is being filled and shall have all reasonable facilities afforded to satisfy him that the rails are being made in accordance with these specifications.

The manufacturer shall furnish daily the carbon determinations of each heat and a complete chemical analysis of at least one heat of each day and night turn in which each element is to be determined.

No. 2 RAILS.

SEC. 12. The requirements for No. 2 rails shall be the same as for No. 1, except that they will be accepted with a flaw in the head not exceeding one-fourth ($1/4$) inch, and a flaw in the flange not exceeding one-half ($1/2$) inch in depth.

No. 2 rails to the extent of five per cent. (5%) of the entire order will be received.

ILLINOIS STEEL COMPANY. STANDARD SPECIFICATIONS FOR STEEL RAILS.

JANUARY 1st, 1897.

CHEMICAL COMPOSITION.

Sec. 8. The chemical composition of standard rails under No. 2 (70) pounds per yard to be as follows:

| | | | |
|----------------------------|------------|-------------------------------|-------------|
| Carbon..... | .45 to .55 | Phosphorus not to exceed..... | .10 |
| Sulphur not to exceed..... | .05 | Manganese..... | .70 to 1.10 |

The chemical composition of this No. 2 (70) pounds per yard to be as follows:

| | | | |
|----------------------------|------------|-------------------------------|-------------|
| Carbon..... | .45 to .55 | Phosphorus not to exceed..... | .10 |
| Sulphur not to exceed..... | .05 | Manganese..... | .70 to 1.10 |

TEST INCOTS.

Sec. 9. From each heat one test incot shall be cast. The incot shall be broken down at one end by hammering to a test piece. The incot shall be broken down at the other end by hammering to a test piece. The incot shall be broken down at the other end by hammering to a test piece. The incot shall be broken down at the other end by hammering to a test piece.

CUTTING TO BLOOMS.

Sec. 10. After cutting off or allowing for the sag on the top end of the pig, at least two (2) inches more of seemingly solid end shall be cut off the end of the bloom. If after cutting such length the steel does not look solid, the cutting shall be continued until it does.

INSPECTION.

Sec. 11. The inspector representing the purchaser shall have free entry to the works of the manufacturer at all times while the contract is being filled and shall have all reasonable facilities afforded to enable him to test the rails and have made in accordance with these specifications. The manufacturer shall furnish daily the carbon determinations of each heat and a complete chemical analysis of at least one heat of each day and night run in which such claims to be determined.

No. 2 RAILS.

Sec. 12. The requirements for No. 2 rails shall be the same as for No. 1, except that they shall be finished with a blow in the head not exceeding one-fourth (1/4) inch, and a blow in the flange not exceeding one-eighth (1/8) inch in depth. No. 2 rails to the extent of five per cent (5%) of the entire order will be delivered.

Section 1. The section of the rail throughout its entire length shall conform to the American Standard for Civil Engineers' Standard () pounds per yard. The flat of the flange or main flange shall be perfectly maintained. When the rails are new the section of the rail may be one-sixty-fourth (1/64) of an inch. As the rolling proceeds a variation not exceeding one-thirty-second (1/32) of an inch in excess height over the standard may be permitted in a delivery of ten thousand (10,000) tons of rails, after which the rolls must be reduced to standard height of such sections.

The standard of measure to be known as Sharp United States Standard Rail Former Caliper Rule.

WEIGHTS.

Sec. 2. The weight of the rail shall be kept as near to () pounds per yard as is practical after complying with Section No. 1. The rails shall be accepted and weighed for according to actual weight.

LENGTHS.

Sec. 3. The standard length of rail shall be thirty (30) feet, at a temperature of seventy (70) degrees Fahrenheit. Shorter rails having length of twenty-five (25) to twenty-two (22) feet inclusive, shall be accepted to the extent of ten (10) per cent of the entire order. A variation in length of one-fourth (1/4) inch over or under the specified length will be allowed.

CAMBERING AND STRAIGHTENING.

Sec. 4. Care to be taken in cambering the rails so as to reduce the amount of warp in the straightening press to a minimum. The rails must be straight in all directions as to both surface and line, without twists or kinks.

FINISH.

Sec. 5. The rails must be smooth on the head and base, and free from all mechanical defects and flaws and must be square at the ends; the base mechanical defects and flaws must be removed by grinding or by other means made by the ends must be carefully checked and filed off particularly under the head and on the top of the flange to insure proper fit of the anchor bars.

DRILLING.

Sec. 6. The drilling for the bolts to be in strict conformity with the inspection attached or the dimensions given. All holes must be drilled in perfectly drilled to proper dimensions. All holes must be accurate in every respect.

BRANDING.

Sec. 7. The section number, name of maker, year and month, to be rolled on the side of the web. The number of the heat to be stamped in the side of the web.

LIST OF RAILROADS USING RAILS.

ILLINOIS STEEL COMPANY, CHICAGO.

USEFUL INFORMATION ABOUT TRACK MATERIALS.

| AMOUNT IN TONS OF RAILS OF VARIOUS PATTERNS TO LAY ONE MILE OF TRACK. | | | | RAILROAD SPIKES. | | | | NUMBER OF FASTENINGS REQUIRED TO THE TON OF RAILS. | | | | | | | | | |
|---|-----------------------|------------------------|------------------------|--|---|--|-----------|---|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------|
| | | | | Size Measured Under Head. | Average Number Per Keg of 200 Lbs. | Ties Two Feet Be- tween Centre and Four Spikes per Tie. Makes per Mile. | | RAIL USED. Weight per Yard. | Weight of Rail per Yard. | 24-foot Rail. | 25-foot Rail. | 26-foot Rail. | 27-foot Rail. | 28-foot Rail. | 30-foot Rail. | 33-foot Rail. | |
| Weight per Yard. | Tons per Mile. | Weight per Yard. | Tons per Mile. | inches. | Pounds. | Kegs. | Pounds. | Joints. | Joints. | Joints. | Joints. | Joints. | Joints. | Joints. | | | |
| 8 lbs. | 12 $\frac{320}{2240}$ | 65 lbs. | 102 $\frac{320}{2240}$ | 5 $\frac{1}{2}$ × $\frac{9}{16}$ | 375 | 5632 = 28.16 | 45 to 100 | 12 | 23.33 | 22.40 | 21.53 | 20.74 | 20.00 | 18.66 | 16.96 | | |
| 10 " | 15 $\frac{640}{2240}$ | 66 " | 103 $\frac{640}{2240}$ | 5 × $\frac{9}{16}$ | 400 | 5280 = 26.4 | 40 to 56 | 16 | 17.50 | 16.80 | 16.15 | 15.55 | 15.00 | 14.00 | 12.72 | | |
| 12 " | 18 $\frac{960}{2240}$ | 67 " | 105 $\frac{640}{2240}$ | 5 × $\frac{1}{2}$ | 450 | 4692 = 23.46 | 40 | 20 | 14.00 | 13.55 | 12.92 | 12.44 | 12.00 | 11.20 | 10.18 | | |
| 16 " | 25 $\frac{320}{2240}$ | 68 " | 106 $\frac{960}{2240}$ | 4 $\frac{1}{2}$ × $\frac{1}{2}$ | 530 | 3984 = 19.92 | 35 | 25 | 11.20 | 10.74 | 10.32 | 9.95 | 9.68 | 8.96 | 8.14 | | |
| 20 " | 31 $\frac{640}{2240}$ | 70 " | 110 | 4 × $\frac{1}{2}$ | 600 | 3520 = 17.60 | 30 | 30 | 9.83 | 8.94 | 8.60 | 8.29 | 8.00 | 7.46 | 6.78 | | |
| 25 " | 39 $\frac{840}{2240}$ | 71 " | 111 $\frac{640}{2240}$ | 4 $\frac{1}{2}$ × $\frac{7}{16}$ | 680 | 3104 = 15.52 | 25 | 35 | 8.00 | 7.68 | 7.38 | 7.11 | 6.86 | 6.40 | 5.81 | | |
| 28 " | 44 | 72 " | 113 $\frac{640}{2240}$ | 4 × $\frac{7}{16}$ | 720 | 2932 = 14.66 | 25 | 40 | 7.00 | 6.71 | 6.45 | 6.22 | 5.99 | 5.60 | 5.09 | | |
| 30 " | 47 $\frac{320}{2240}$ | 73 " | 114 $\frac{640}{2240}$ | 3 $\frac{1}{2}$ × $\frac{7}{16}$ | 900 | 2356 = 11.73 | 20 | 45 | 6.22 | 5.96 | 5.74 | 5.52 | 5.33 | 4.97 | 4.52 | | |
| 35 " | 55 | 75 " | 117 $\frac{640}{2240}$ | 2 $\frac{1}{2}$ × $\frac{7}{16}$ | 1342 | 1572 = 7.86 | 16 | 50 | 5.60 | 5.37 | 5.16 | 4.97 | 4.79 | 4.48 | 4.07 | | |
| 40 " | 62 $\frac{320}{2240}$ | 78 " | 122 $\frac{640}{2240}$ | 2 $\frac{1}{2}$ × $\frac{5}{16}$ | 1800 | 1172 = 5.86 | 12 | 55 | 5.09 | 4.88 | 4.69 | 4.52 | 4.36 | 4.07 | 3.70 | | |
| 45 " | 70 $\frac{640}{2240}$ | 80 " | 125 $\frac{640}{2240}$ | SPLICE BARS AND BOLTS FOR ONE MILE OF TRACK. | | | | | | | | | | | | | |
| 48 " | 75 $\frac{640}{2240}$ | 82 " | 128 $\frac{640}{2240}$ | Length of Rail. Feet. | Number of Splice Bars Required. | Number of Bolts Required. | | | | | | | | | | | |
| 50 " | 78 $\frac{320}{2240}$ | 85 " | 133 $\frac{640}{2240}$ | 4-Hole Splice. | 6-Hole Splice. | Number of Rails or Com- plete Joints. | | | | | | | | | | | |
| 52 " | 81 $\frac{320}{2240}$ | 88 " | 138 $\frac{640}{2240}$ | 24 | 880 | 1,760 | 2640 | 440 | 56 | 5.00 | 4.79 | 4.61 | 4.44 | 4.28 | 4.00 | 3.63 | |
| 56 " | 88 | 90 " | 141 $\frac{640}{2240}$ | 25 | 844 | 1,688 | 2532 | 422 | 60 | 4.66 | 4.47 | 4.30 | 4.14 | 4.00 | 3.73 | 3.39 | |
| 57 " | 89 $\frac{320}{2240}$ | 92 " | 144 $\frac{640}{2240}$ | 26 | 812 | 1,624 | 2436 | 406 | 62 | 4.51 | 4.33 | 4.16 | 4.01 | 3.86 | 3.61 | 3.28 | |
| 60 " | 94 $\frac{640}{2240}$ | 95 " | 149 $\frac{640}{2240}$ | 27 | 782 | 1,564 | 2346 | 391 | 64 | 4.37 | 4.19 | 4.03 | 3.88 | 3.74 | 3.50 | 3.17 | |
| 61 " | 95 $\frac{320}{2240}$ | 98 " | 154 | 28 | 754 | 1,508 | 2262 | 377 | 65 | 4.30 | 4.13 | 3.97 | 3.82 | 3.69 | 3.44 | 3.13 | |
| 63 " | 99 | 100 " | 157 $\frac{320}{2240}$ | 30 | 704 | 1,408 | 2112 | 352 | 67 | 4.17 | 4.00 | 3.85 | 3.71 | 3.58 | 3.34 | 3.03 | |
| | | | | CROSS TIES PER MILE. | | | | | | | | | | | | | |
| | | | | Centre to Centre. | | | | Ties. | | | | | | | | | |
| | | | | 18 inches | | | | 3,520 | 70 | | | | | | | 3.20 | 2.90 |
| | | | | 21 " | | | | 3,017 | 75 | | | | | | | 2.98 | 2.71 |
| | | | | 24 " | | | | 2,640 | 80 | | | | | | | 2.80 | 2.54 |
| | | | | 27 " | | | | 2,347 | 85 | | | | | | | 2.63 | 2.39 |
| | | | | 30 " | | | | 2,112 | 90 | | | | | | | 2.48 | 2.26 |
| | | | | | | | | 100 | 95 | | | | | | | 2.35 | 2.14 |
| | | | | | | | | 100 | 100 | | | | | | | 2.24 | 2.03 |

LIST OF RAILROADS USING RAILS.

| Name of Road. | Section. | Page. | Name of Road. | Section. | Page. | Name of Road. | Section. | Page. |
|---|----------|-------|---|----------|-------|--|----------|-------|
| Abbotsford & North Eastern..... | 6001 | 15 | Chicago & Eastern Illinois..... | 6001 | 15 | China & Japan Trading Co..... | 6007 | 16 |
| Abbotsford & North Eastern R'y..... | 5610 | 12 | Chicago & Eastern Illinois..... | 8004 | 57 | Cincinnati, Portsmouth & Virginia..... | 7506 | 51 |
| Alameda & San Joaquin..... | 5614 | 13 | Chicago & Eastern Illinois..... | 6501 | 25 | Cincinnati, Portsmouth & Virginia..... | 5610 | 12 |
| Alton R'y & Illuminating Co..... | 5610 | 12 | Chicago & Erie..... | 6001 | 15 | Citizens' Street R'y, Battle Creek..... | 6012 | 19 |
| Anderson Electric Street R'y..... | 6012 | 19 | Chicago & Erie..... | 8005 | 58 | Citizens' Street R'y, Memphis..... | 6001 | 15 |
| Arcadia & Betsy R. R..... | 5610 | 12 | Chicago, Ft. Madison & Des Moines..... | 5610 | 12 | City Electric R'y, Port Huron..... | 7203 | 47 |
| Arizona & South Eastern..... | 5501 | 11 | Chicago & Grand Trunk..... | 6001 | 15 | Citizens' Electric R'y, Light & Power Co.... | 6012 | 19 |
| Arizona & South Eastern R'y..... | 6001 | 15 | Chicago & Grand Trunk..... | 6701 | 31 | City Street R'y, Battle Creek..... | 4504 | 8 |
| Arkansas & Midland R. R..... | 5610 | 12 | Chicago & Grand Trunk..... | 6702 | 32 | City Street R'y, Memphis..... | 7201 | 45 |
| Atlanta, Knoxville & Northern..... | 6001 | 15 | Chicago & Grand Trunk..... | 8004 | 57 | City R'y Co., St. Louis..... | 6007 | 16 |
| Atchison, Topeka & Santa Fe..... | 6009 | 18 | Chicago Great Western..... | 6001 | 15 | Clayton & Forest Park..... | 6001 | 15 |
| Atchison, Topeka & Santa Fe..... | 6101 | 23 | Chicago Great Western..... | 7506 | 51 | Columbus Central..... | 7011 | 41 |
| Atchison, Topeka & Santa Fe..... | 6507 | 28 | Chicago, Hammond & Western..... | 7010 | 40 | Columbus Central..... | 6012 | 19 |
| Atchison, Topeka & Santa Fe..... | 7005 | 37 | Chicago, Indiana & Eastern..... | 7102 | 43 | Columbus Street R'y..... | 7203 | 47 |
| Atchison, Topeka & Santa Fe..... | 7506 | 51 | Chicago, Indiana & Eastern..... | 5610 | 12 | Columbus Street R'y..... | 6012 | 19 |
| Aurora Street R'y..... | 6701 | 31 | Chicago & Indiana Coal..... | 6001 | 15 | Columbus Street R'y..... | 4504 | 8 |
| Aurora Street R'y Co..... | 7005 | 37 | Chicago, Kansas City & Texas..... | 6001 | 15 | Corean Railway..... | 5610 | 12 |
| Baltimore & Ohio..... | 8004 | 57 | Chicago, Kansas & Nebraska..... | 6001 | 15 | Coronado Beach Co..... | 4504 | 8 |
| Baltimore & Ohio..... | 8504 | 60 | Chicago, Lake Shore & Eastern..... | 6001 | 15 | Detroit & Cincinnati..... | 6001 | 15 |
| Baltimore & Ohio..... | 6704 | 34 | Chicago, Lake Shore & Eastern..... | 6009 | 18 | Detroit, Grand Rapids & Western..... | 5610 | 12 |
| Bay Cities Consolidated Street R'y..... | 6001 | 15 | Chicago, Lake Shore & Eastern..... | 8004 | 57 | Detroit, Grand Rapids & Western R'y..... | 6001 | 15 |
| Bay Cities Consolidated R'y..... | 6012 | 19 | Chicago, Lake Shore & Eastern..... | 8001 | 55 | Detroit, South Shore & Atlantic..... | 7204 | 48 |
| Bedford Belt R'y..... | 6001 | 15 | Colorado Midland..... | 6001 | 15 | Detroit, Grand Rapids & Western..... | 7010 | 40 |
| Belleville Electric R'y..... | 7202 | 46 | Chicago, Milwaukee & St. Paul..... | 5610 | 12 | Drummond & South Western..... | 4504 | 8 |
| Berlin & Waterloo Street R'y..... | 6012 | 19 | Chicago, Milwaukee & St. Paul..... | 6007 | 16 | Dakota, Wyoming & Missouri River R. R..... | 6501 | 25 |
| Bloomington City R'y..... | 4504 | 8 | Chicago, Milwaukee & St. Paul..... | 7502 | 50 | Dallas Terminal..... | 6001 | 15 |
| Bloomington City R'y Co..... | 4802 | 9 | Chicago, Milwaukee & St. Paul..... | 8504 | 60 | Des Moines City R'y..... | 6012 | 19 |
| Bloomington City R'y..... | 6012 | 19 | Chicago, Milwaukee & St. Paul..... | 6506 | 27 | Des Moines & Kansas City..... | 6001 | 15 |
| Boone Valley Coal & R'y Co..... | 7007 | 38 | Chicago & North-Western..... | 5610 | 12 | Des Moines, Northern & Western..... | 6602 | 30 |
| Brainerd & Northern Minnesota..... | 4504 | 8 | Chicago & North-Western..... | 6001 | 15 | Des Moines, Northern & Western..... | 6801 | 36 |
| Brainerd & Northern Minnesota..... | 5610 | 12 | Chicago & North-Western..... | 6501 | 25 | Des Moines Union R'y..... | 6801 | 36 |
| Burlington, Cedar Rapids & Northern..... | 6001 | 15 | Chicago & North-Western..... | 6506 | 27 | Des Moines Union R'y..... | 5610 | 12 |
| Burlington, Cedar Rapids & Northern..... | 6602 | 30 | Chicago & North-Western..... | 7201 | 45 | Des Moines & Union..... | 6602 | 30 |
| Burlington, Cedar Rapids & Northern..... | 8004 | 57 | Chicago & North-Western..... | 8001 | 55 | Denver Tramway Co..... | 7203 | 47 |
| Burlington & Missouri River in Nebraska.. | 6507 | 28 | Chicago & North-Western..... | 6001 | 15 | Dominion Construction Co..... | 8004 | 57 |
| Burlington & Missouri River in Nebraska.. | 7506 | 51 | Chicago & Northern Pacific..... | 6001 | 15 | Duluth & Iron Range..... | 6001 | 15 |
| Butte, Anaconda & Pacific..... | 7507 | 52 | Chicago, Peoria & St. Louis..... | 6009 | 18 | Duluth, South Shore & Atlantic..... | 6001 | 15 |
| Canadian Pacific..... | 7204 | 48 | Chicago, Rock Island & Pacific..... | 8004 | 57 | Duluth, Missabe & Northern..... | 6009 | 18 |
| Canadian Pacific..... | 7301 | 49 | Chicago, Rock Island & Pacific..... | 6001 | 15 | Duluth, Missabe & Northern..... | 8001 | 55 |
| Carpentersville, Elgin & Aurora..... | 6001 | 15 | Chicago & South Bend..... | 6001 | 15 | Duluth & Iron Range..... | 8001 | 55 |
| Centralia & Chester..... | 5610 | 12 | Chicago & South Side Rapid Transit R. R. Co.. | 9001 | 61 | Duluth Street R'y..... | 6012 | 19 |
| Central R'y Co. of Peoria..... | 6101 | 23 | Chicago, St. Paul, Minneapolis & Omaha.. | 5610 | 12 | Duluth Transfer Co..... | 6602 | 30 |
| Chicago & Alton..... | 8004 | 57 | Chicago, St. Paul, Minneapolis & Omaha.. | 6001 | 15 | Duluth & Winnipeg..... | 6001 | 15 |
| Chicago & Atlantic..... | 6001 | 15 | Chicago, St. Paul, Minneapolis & Omaha.. | 6501 | 25 | East St. Louis Stock Yards..... | 6001 | 15 |
| Chicago, Burlington & Northern..... | 6601 | 29 | Chicago, St. Paul, Minneapolis & Omaha.. | 7201 | 45 | East Tennessee, Virginia & Georgia..... | 7506 | 51 |
| Chicago, Burlington & Quincy..... | 7506 | 51 | Chicago, St. Paul, Minneapolis & Omaha.. | 8001 | 55 | Elgin, Joliet & Eastern..... | 6001 | 15 |
| Chicago, Burlington & Quincy..... | 6602 | 30 | Chicago & Texas..... | 6001 | 15 | Elgin, Joliet & Eastern..... | 6007 | 16 |
| Chicago, Burlington & Quincy..... | 6507 | 28 | Chicago & West Michigan..... | 5610 | 12 | Elgin, Joliet & Eastern..... | 6501 | 25 |
| Chicago, Burlington & Quincy..... | 6601 | 29 | Chicago & West Michigan..... | 6001 | 15 | Elgin, Joliet & Eastern..... | 6504 | 26 |
| Chicago, Burlington & Quincy..... | 5501 | 11 | Chicago & West Michigan..... | 7010 | 40 | Elgin, Joliet & Eastern..... | 6701 | 31 |
| Chicago City R'y..... | 7011 | 41 | Chicago & Western Indiana..... | 6601 | 29 | Elgin, Joliet & Eastern..... | 7502 | 50 |
| Chicago General R'y..... | 7011 | 41 | Chicago & Western Indiana..... | 8001 | 55 | Elgin, Joliet & Eastern..... | 8001 | 55 |

LIST OF RAILROADS USING RAILS—Continued.

| Name of Road. | Section. | Page. | Name of Road. | Section. | Page. | Name of Road. | Section. | Page. |
|--|----------|-------|--|----------|-------|---|----------|-------|
| Elk Mountain..... | 6702 | 32 | Joplin & Galena Electric Ry..... | 4802 | 9 | Milwaukee, Lake Shore & Western..... | 6001 | 15 |
| Elkhart & Western..... | 6001 | 15 | Kansas City, Ft. Scott & Memphis..... | 6001 | 15 | Milwaukee, Lake Shore & Western..... | 7202 | 46 |
| Evansville & Terre Haute..... | 6501 | 25 | Kansas City, Ft. Scott & Memphis..... | 6701 | 31 | Milwaukee & Lake Winnebago..... | 6001 | 15 |
| Evansville & Terre Haute..... | 6001 | 15 | Kansas City, Ft. Scott & Memphis..... | 7502 | 50 | Milwaukee & Northern..... | 5610 | 12 |
| Evansville & Terre Haute..... | 7010 | 40 | Kansas City, Ft. Scott & Memphis..... | 7506 | 51 | Milwaukee & Northern..... | 6001 | 15 |
| Evansville Street R'y..... | 6012 | 19 | Kansas City, Ft. Scott & Memphis..... | 6702 | 32 | Milwaukee Street R'y..... | 7203 | 47 |
| Flint & Pere Marquette..... | 6702 | 32 | Kansas City, Memphis & Birmingham..... | 6507 | 28 | Milwaukee Street R'y..... | 7011 | 41 |
| Frederick & Charlevoix..... | 6001 | 15 | Kansas City, Memphis & Birmingham..... | 6001 | 15 | Milwaukee Street R'y..... | 6012 | 19 |
| Ft. Worth & Denver City..... | 5610 | 12 | Kansas City Belt..... | 6001 | 15 | Milwaukee Street R'y..... | 4802 | 8 |
| Ft. Worth & Rio Grande..... | 5610 | 12 | Kansas City Suburban Belt R.R..... | 6008 | 17 | Milwaukee & Superior..... | 5610 | 12 |
| Ft. Worth & Denver City R'y..... | 6009 | 18 | Kansas City, Osceola & Southern..... | 8503 | 59 | Milwaukee & Wauwatosa..... | 4504 | 8 |
| Ft. Wayne Electric R'y Co..... | 6012 | 19 | Kansas City, St. Joe & Council Bluffs R.R..... | 6602 | 30 | Minneapolis Belt Line..... | 6001 | 15 |
| Galveston, Houston & Henderson..... | 6602 | 30 | Kansas City Suburban Belt R'y..... | 6601 | 29 | Minneapolis & Eastern..... | 6007 | 16 |
| General Electric..... | 6012 | 19 | Keokuk & Western..... | 6001 | 15 | Minneapolis & St. Louis..... | 7013 | 42 |
| Gen'l Power & Quick Transit..... | 5610 | 12 | Kickapoo Valley & Northern..... | 7005 | 37 | Minneapolis & St. Louis..... | 6602 | 30 |
| Gilpin Tramway Co..... | 7007 | 38 | La Crosse City R'y..... | 4504 | 8 | Minneapolis & St. Louis..... | 6001 | 15 |
| Green Bay, Winona & St. Paul..... | 5610 | 12 | Lake Cities Electric R'y..... | 7203 | 47 | Minneapolis & St. Louis..... | 5610 | 12 |
| Greenfield & Northern..... | 5610 | 12 | Lake Erie & Western..... | 6001 | 15 | Minneapolis, St. Paul & Sault Ste. Marie... | 6001 | 15 |
| Great Northern..... | 5610 | 12 | Lake Erie & Western..... | 7506 | 51 | Minneapolis, St. Paul & Sault Ste. Marie... | 7202 | 46 |
| Great Northern..... | 6009 | 18 | Lake Michigan Car Ferry Transfer Co..... | 6601 | 29 | Minneapolis Union..... | 5610 | 12 |
| Great Northern..... | 6801 | 36 | Lake Shore & Michigan Southern..... | 6504 | 26 | Minnesota Transfer..... | 6001 | 15 |
| Great Northern..... | 7507 | 52 | Lake Shore & Michigan Southern..... | 7103 | 44 | Minnesota Transfer R'y Co..... | 5610 | 12 |
| Great Northern..... | 7509 | 54 | Lake Shore & Michigan Southern..... | 8004 | 57 | Mississippi River & Bonne Terre..... | 5610 | 12 |
| Great Northern..... | 8003 | 56 | Lake Street Elevated..... | 8001 | 55 | Missouri, Kansas & Texas..... | 6007 | 16 |
| Grand Rapids & Indiana R. R..... | 7005 | 37 | Lake Street Elevated..... | 7102 | 43 | Missouri, Kansas & Texas..... | 6602 | 30 |
| Hamilton, Grinsby & Beamsville Elec. R'y.. | 5615 | 14 | Lake Superior & Ishpeming..... | 8001 | 55 | Missouri, Kansas & Texas R'y..... | 7506 | 51 |
| Hammond, Whiting & East Chicago..... | 6001 | 15 | Lake Superior & Ishpeming..... | 6001 | 15 | Missouri Pacific R. R..... | 5610 | 12 |
| Hancock & Calumet..... | 5610 | 12 | Little Rock, Hot Spring & Texas..... | 6009 | 17 | Mobile & Birmingham..... | 6001 | 15 |
| Hartford Construction Co..... | 4802 | 9 | Lincoln Street Ry..... | 7203 | 48 | Mt. Clemens St. R'y..... | 6012 | 19 |
| Hoadley & Co..... | 5005 | 10 | Link Line..... | 6507 | 28 | Munising R'y..... | 5610 | 12 |
| Houck's Missouri & Arkansas R. R..... | 4504 | 8 | Louisville, Henderson & St. Louis..... | 5610 | 12 | New Orleans & North Eastern..... | 7506 | 51 |
| Houck's Missouri & Arkansas R. R..... | 4802 | 9 | Lima & Northern..... | 6001 | 15 | New York, Chicago & St. Louis..... | 6504 | 26 |
| Houston City Street R'y..... | 4504 | 8 | Louisville & Nashville..... | 6001 | 15 | New York, Lake Erie & Western..... | 8005 | 58 |
| Humeston & Shenandoah..... | 5610 | 12 | Louisville, New Albany & Chicago..... | 6001 | 15 | North Western Coal R'y..... | 6009 | 18 |
| Humeston & Shenandoah..... | 6001 | 15 | Louisville, New Albany & Chicago..... | 6701 | 31 | Northern Pacific..... | 6602 | 30 |
| Illinois Central..... | 7010 | 40 | Louisville, New Albany & Chicago..... | 6702 | 32 | Northern Pacific..... | 7201 | 45 |
| Illinois Central..... | 7506 | 51 | Louisville, New Albany & Chicago..... | 6704 | 34 | Northern Pacific..... | 5610 | 12 |
| Illinois Central..... | 10001 | 64 | Louisville, New Albany & Chicago..... | 6705 | 35 | Northern Pacific..... | 6001 | 15 |
| Illinois Central..... | 6701 | 31 | Los Angeles R'y Co..... | 6012 | 19 | Omaha & St. Louis..... | 6501 | 25 |
| Illinois Central..... | 6001 | 15 | Los Angeles Terminal..... | 5610 | 12 | Oregon Short Line..... | 6008 | 17 |
| Indiana, Decatur & Western..... | 6507 | 28 | Los Angeles Traction Co..... | 6012 | 19 | Oregon & Washington Territory..... | 5610 | 12 |
| Indiana, Illinois & Iowa..... | 6001 | 15 | Marinette Gas, Electric Light & Street R'y.. | 4802 | 9 | Oshkosh Street R'y..... | 4802 | 9 |
| Indiana & Illinois Southern..... | 6001 | 15 | Marinette Gas, Electric Light & Street R'y.. | 6012 | 19 | Ottawa Electric R'y..... | 7203 | 47 |
| Indianapolis Union..... | 7005 | 37 | Marion City R'y..... | 6012 | 19 | Painesville, Fairport & Richinoud..... | 7011 | 41 |
| International & Great Northern..... | 5610 | 12 | Marion City R'y..... | 5610 | 12 | Pennsylvania Co..... | 7005 | 37 |
| Iowa Central..... | 6001 | 15 | Mason City & Fort Dodge..... | 5610 | 12 | Pennsylvania Co..... | 8503 | 59 |
| Iron Range & Huron Bay..... | 5610 | 12 | Michigan Central..... | 7010 | 40 | Pennsylvania Co..... | 6009 | 18 |
| Iron Range & Huron Bay..... | 6702 | 32 | Michigan Central..... | 8001 | 55 | Peoria, Decatur & Evansville..... | 7010 | 40 |
| Jacksonville, Louisville & St. Louis..... | 5610 | 12 | Michigan Central..... | 8004 | 57 | Peoria, Decatur & Evansville..... | 6007 | 16 |
| Jacksonville & St. Louis..... | 5610 | 12 | Mackenzie, Mann & Co..... | 5615 | 14 | Peoria, Decatur & Evansville..... | 6507 | 28 |
| Joliet R'y Co..... | 4802 | 9 | Midland R'y Co..... | 6701 | 31 | Peoria, Decatur & Evansville..... | 6602 | 30 |
| Joliet R'y Co..... | 6012 | 19 | Midland Terminal..... | 5610 | 12 | Peoria & Pekin Union..... | 6701 | 31 |

LIST OF RAILROADS USING RAILS—Continued.

| Name of Road. | Section. | Page. | Name of Road. | Section. | Page. | Name of Road. | Section. | Page. |
|---|----------|-------|--|----------|-------|---|----------|-------|
| Peoria & Pekin Union R'y..... | 6001 | 15 | St. Louis Merchant Bridge Terminal..... | 6701 | 31 | Toledo, Peoria & Western..... | 6507 | 28 |
| Prairie du Chien & McGregor..... | 6007 | 16 | St. Louis National Stock Yard..... | 6001 | 15 | Toledo, Peoria & Western..... | 6001 | 15 |
| Quincy Horse R'y & Carrying Co..... | 4802 | 9 | St. Louis & San Francisco..... | 6704 | 34 | Toronto, Hamilton & Buffalo R'y..... | 8004 | 57 |
| Quincy, Omaha & Kansas City..... | 6001 | 15 | St. Louis & San Francisco..... | 6013 | 20 | Trinity, Cameron & Western..... | 6507 | 28 |
| Quebec, Montmorency & Charlevoix..... | 7203 | 47 | St. Louis Terminal..... | 7005 | 37 | Twin City Rapid Transit Co..... | 6012 | 19 |
| Richmond City Electric Street R'y..... | 6012 | 19 | St. Louis Terminal..... | 6001 | 15 | Twin City Rapid Transit Co..... | 8004 | 57 |
| Rio Grande & Western..... | 5610 | 12 | St. Louis Terminal R. R. Association..... | 6009 | 18 | Union Pacific..... | 5610 | 12 |
| Rio Grande & Western..... | 6501 | 25 | St. Paul & Duluth..... | 5610 | 12 | Union Pacific..... | 6008 | 17 |
| Rockford City R'y Co..... | 6012 | 19 | St. Paul & Duluth..... | 6703 | 33 | Union Pacific..... | 7009 | 39 |
| Rock Island & Peoria..... | 6001 | 15 | St. Paul & Duluth..... | 7010 | 40 | Union Pacific..... | 7502 | 50 |
| San Antonio & Gulf Shore..... | 6001 | 15 | St. Paul & Duluth..... | 7506 | 51 | Union Stock Yards, Chicago..... | 6001 | 15 |
| Seattle Construction Co..... | 7203 | 47 | St. Paul & Northern Pacific..... | 6602 | 30 | Union Stock Yards Co., Sioux City..... | 6001 | 15 |
| Sheboygan Light & Power Co..... | 4802 | 9 | Swan Logging Co..... | 6009 | 18 | Union Stock Yards & Transit Co., Chicago.. | 7502 | 50 |
| Sheboygan Light & Power Co..... | 5615 | 14 | Tabor & Northern..... | 4504 | 8 | Wabash & Chester..... | 6101 | 23 |
| South Bend Street R'y..... | 7011 | 41 | Tamaroa & Mount Vernon..... | 6001 | 15 | Wabash, Chester & Western..... | 6001 | 15 |
| South Western Co..... | 6007 | 16 | Terminal Association of St. Louis..... | 6001 | 15 | Wabash R'y Co..... | 6301 | 24 |
| Spokane Falls & Northern..... | 5610 | 12 | Terminal R. R. Association of St. Louis... | 7005 | 37 | West Side Construction Co., Chicago..... | 8001 | 55 |
| Springfield R'y Co..... | 4802 | 9 | Terre Haute & Indianapolis..... | 8503 | 59 | Williamsville, Greensville & St. Louis..... | 6001 | 15 |
| Springfield R'y..... | 6012 | 19 | Terre Haute Street R'y..... | 6012 | 19 | Wisconsin Central..... | 7005 | 37 |
| St. Joseph & Grand Island..... | 6007 | 16 | Terre Haute Street R'y..... | 7203 | 47 | Wisconsin Central..... | 7007 | 38 |
| St. Joseph Terminal..... | 6101 | 23 | Texarkana & Ft. Smith..... | 5610 | 12 | Wisconsin Central..... | 8001 | 55 |
| St. Louis, Alton & Springfield..... | 6001 | 15 | Texas Central..... | 5610 | 12 | Wisconsin Central..... | 6001 | 15 |
| St. Louis, Alton & Terre Haute..... | 6701 | 31 | Texas Central R'y..... | 6001 | 15 | Wisconsin & Michigan..... | 6801 | 36 |
| St. Louis, Alton & Terre Haute..... | 6001 | 15 | Texas Midland R'y..... | 6014 | 21 | Wisconsin & Michigan..... | 7506 | 51 |
| St. Louis, Cape Girard & Ft. Smith..... | 5610 | 12 | Texas Midland R'y..... | 7007 | 38 | Wisconsin & Michigan..... | 6001 | 15 |
| St. Louis, Chicago & St. Paul..... | 6001 | 15 | The Oregon R. R. & Navigation Co..... | 6008 | 17 | Wyoming & Pacific Improvement Co..... | 6504 | 26 |
| St. Louis, Keokuk & North Western..... | 6602 | 30 | Toledo, Maumee & Peoria..... | 6012 | 19 | | | |

LIST OF RAILROADS USING RAILS—Continued.

| Page | Name of Road | Section | Page | Name of Road | Section | Page | Name of Road |
|------|---|---------|--------------------------------------|--------------|-------------------------------------|------|-----------------------------------|
| 28 | Portola, Poona & Western | 4719 | St. Louis Merchants Trading Terminal | 4901 | Porto & Philadelphia R. Y. | 4902 | St. Louis, Keokuk & North Western |
| 28 | Portola, Poona & Western | 4901 | St. Louis National Stock Yards | 4902 | Porto in Ohio & Michigan | 4903 | St. Louis, Keokuk & North Western |
| 27 | Portola, Hamilton & Buffalo R. Y. | 4704 | St. Louis & San Francisco | 4903 | Porto, Iowa R. Y. & Carving Co. | 4904 | St. Louis, Keokuk & North Western |
| 28 | Portola, Cameron & Western | 4918 | St. Louis & San Francisco | 4904 | Porto, Omaha & Kansas City | 4905 | St. Louis, Keokuk & North Western |
| 19 | Twin City Rapid Transit Co. | 7995 | St. Louis Terminal | 4905 | Porto, Mount Vernon & Charlevoix | 4906 | St. Louis, Keokuk & North Western |
| 27 | Twin City Rapid Transit Co. | 6901 | St. Louis Terminal | 4906 | Richmond City, Liberty Street R. Y. | 6012 | St. Louis, Keokuk & North Western |
| 25 | Union Pacific | 6009 | St. Louis Terminal, N. Association | 4907 | St. Louis & Western | 6010 | St. Louis, Keokuk & North Western |
| 17 | Union Pacific | 6210 | St. Paul & Detroit | 4908 | St. Louis & Western | 6011 | St. Louis, Keokuk & North Western |
| 28 | Union Pacific | 6703 | St. Paul & Duluth | 4909 | St. Louis & Western | 6012 | St. Louis, Keokuk & North Western |
| 20 | Union Pacific | 7010 | St. Paul & Duluth | 4910 | St. Louis & Western | 6013 | St. Louis, Keokuk & North Western |
| 17 | Union Stock Yards, Chicago | 7995 | St. Paul & Duluth | 4911 | St. Louis & Western | 6014 | St. Louis, Keokuk & North Western |
| 15 | Union Stock Yards Co., St. Louis | 6902 | St. Paul & Northern Pacific | 4912 | St. Louis & Western | 6015 | St. Louis, Keokuk & North Western |
| 20 | Union Stock Yards & Terminal Co., Chicago | 6009 | St. Paul & Northern Pacific | 4913 | St. Louis & Western | 6016 | St. Louis, Keokuk & North Western |
| 28 | Wabash & Eastern | 4204 | St. Paul & Northern Pacific | 4914 | St. Louis & Western | 6017 | St. Louis, Keokuk & North Western |
| 15 | Wabash, Eastern & Western | 6901 | St. Paul & Northern Pacific | 4915 | St. Louis & Western | 6018 | St. Louis, Keokuk & North Western |
| 24 | Wabash R. Y. Co. | 6901 | St. Paul & Northern Pacific | 4916 | St. Louis & Western | 6019 | St. Louis, Keokuk & North Western |
| 25 | Wabash Construction Co., Chicago | 7995 | St. Paul & Northern Pacific | 4917 | St. Louis & Western | 6020 | St. Louis, Keokuk & North Western |
| 15 | Wabashville, Greenville & St. Louis | 4903 | St. Paul & Northern Pacific | 4918 | St. Louis & Western | 6021 | St. Louis, Keokuk & North Western |
| 27 | Wisconsin Central | 6012 | St. Paul & Northern Pacific | 4919 | St. Louis & Western | 6022 | St. Louis, Keokuk & North Western |
| 28 | Wisconsin Central | 7203 | St. Paul & Northern Pacific | 4920 | St. Louis & Western | 6023 | St. Louis, Keokuk & North Western |
| 25 | Wisconsin Central | 6210 | St. Paul & Northern Pacific | 4921 | St. Louis & Western | 6024 | St. Louis, Keokuk & North Western |
| 15 | Wisconsin Central | 6210 | St. Paul & Northern Pacific | 4922 | St. Louis & Western | 6025 | St. Louis, Keokuk & North Western |
| 20 | Wisconsin & Michigan | 6901 | St. Paul & Northern Pacific | 4923 | St. Louis & Western | 6026 | St. Louis, Keokuk & North Western |
| 21 | Wisconsin & Michigan | 6914 | St. Paul & Northern Pacific | 4924 | St. Louis & Western | 6027 | St. Louis, Keokuk & North Western |
| 15 | Wisconsin & Michigan | 7997 | St. Paul & Northern Pacific | 4925 | St. Louis & Western | 6028 | St. Louis, Keokuk & North Western |
| 26 | Wisconsin & Michigan | 6998 | St. Paul & Northern Pacific | 4926 | St. Louis & Western | 6029 | St. Louis, Keokuk & North Western |
| 26 | Wisconsin & Michigan | 6998 | St. Paul & Northern Pacific | 4927 | St. Louis & Western | 6030 | St. Louis, Keokuk & North Western |

CLASSIFIED INDEX OF RAILS.

Showing List of Railroads Using Each Rail.

| A. S. C. E. STAND. SECTION 4504. PAGE 8. | A. S. C. E. STAND. SECTION 5501. PAGE 11. | SECTION 5610—Continued. PAGE 12. |
|--|--|--|
| <p>Bloomington City R'y. Brainerd & Northern Minnesota. City Street R'y, Battle Creek. Coronado Beach Co. Columbus Street R'y. Drummond & South Western. Houston City Street R'y. Houck's Missouri & Arkansas R. R. La Crosse City R'y. Milwaukee & Wauwatosa. Tabor & Northern.</p> | <p>Chicago, Burlington & Quincy. Arizona & South-Eastern.</p> | <p>Minneapolis Union. Mississippi River & Bonne Terre. Munising R'y. Northern Pacific. Oregon & Washington Territory. Rio Grande & Western. Spokane Falls & Northern. St. Paul & Duluth. St. Louis, Cape Girard & Ft. Smith. Texas Central. Texarkana & Ft. Smith. Union Pacific.</p> |
| SECTION 4802. PAGE 9. | SECTION 5610. PAGE 12. | |
| <p>Bloomington City R'y Co. Hartford Construction Co. Houck's Missouri & Arkansas R. R. Joplin & Galena Electric R'y. Joliet Railway Co. Milwaukee Street R'y. Marinette Gas, Electric Light & Street R'y. Oshkosh Street R'y. Quincy Horse R'y & Carrying Co. Springfield R'y Co. Sheboygan Light & Power Ry.</p> | <p>Arcadia & Betsy R. R. Abbotsford & North Eastern R'y. Arkansas & Midland R. R. Alton R'y & Illuminating Co. Brainerd & Northern Minnesota. Centralia & Chester. Chicago, Indiana & Eastern. Cincinnati, Portsmouth & Virginia. Chicago, Milwaukee & St. Paul. Chicago, St. Paul, Minneapolis & Omaha. Chicago, Ft. Madison & Des Moines. Chicago & North-Western. Chicago & West Michigan. Corean Railway. Des Moines Union R'y. Detroit, Grand Rapids & Western R'y. Ft. Worth & Denver City. Ft. Worth & Rio Grande. Gen'l Power & Quick Transit. Greenfield & Northern. Green Bay, Winona & St. Paul. Great Northern. Humeston & Shennandoah. Hancock & Calumet. Iron Range & Huron Bay. International & Great Northern. Jacksonville, Louisville & St. Louis. Jacksonville & St. Louis. Los Angeles Terminal. Louisville, Henderson & St. Louis. Milwaukee & Superior. Missouri Pacific R. R. Minnesota Transfer R'y Co. Mason City & Ft. Dodge. Milwaukee & Northern. Marion City R'y. Midland Terminal. Minneapolis & St. Louis.</p> | <p style="text-align: center;">SECTION 5614. PAGE 13.</p> <p>Alameda & San Joaquin.</p> |
| A. S. C. E. STAND. SECTION 5005. PAGE 10. | | SECTION 5615. PAGE 14. |
| <p>Hoadley & Co.</p> | | <p>Sheboygan Light & Power Co. Hamilton, Grimsby & Beamsville Electric R'y. Mackenzie, Mann & Co.</p> |

CLASSIFIED INDEX OF RAILS.

Showing List of Railroads Using Each Rail.

SECTION 6001.

PAGE 15.

Atlanta, Knoxville & Northern.
Arizona & South Eastern R'y.
Abbotsford & North Eastern.
Burlington, Cedar Rapids & Northern.
Bedford Belt R'y.
Bay Cities Consolidated Street R'y.
Citizens' Street R'y., Memphis.
Chicago & North-Western.
Chicago, St. Paul, Minneapolis & Omaha.
Chicago, Rock Island & Pacific.
Chicago & West Michigan.
Chicago Great Western.
Chicago & Erie.
Chicago & Eastern Illinois.
Chicago & Indiana Coal.
Chicago & Northern Pacific.
Chicago & North Michigan.
Chicago, Kansas City & Texas.
Clayton & Forest Park.
Colorado Midland.
Chicago, Kansas & Nebraska.
Carpentersville, Elgin & Aurora.
Chicago & Texas.
Chicago & Grand Trunk.
Chicago & South Bend.
Chicago, Lake Shore & Eastern.
Chicago & Atlantic.
Duluth, South Shore & Atlantic.
Duluth & Iron Range.
Detroit, Grand Rapids & Western R'y.
Detroit & Cincinnati.
Dallas Terminal.
Des Moines & Kansas City.
Duluth & Winnipeg.
Duluth, South Shore & Atlantic.
Elgin, Joliet & Eastern.
East St. Louis Stock Yards.
Evansville & Terre Haute.
Elkhart & Western.
Frederick & Charlevoix.
Hameston & Shenandoah.
Hammond, Whiting & East Chicago.
Iowa Central.
Illinois Central.
Indiana, Illinois & Iowa.
Indiana & Illinois Southern.
Keokuk & Western.
Kansas City, Ft. Scott & Memphis.
Kansas City Belt.
Kansas City, Memphis & Birmingham.
Louisville, New Albany & Chicago.
Lake Erie & Western.

SECTION 6001—Continued.

PAGE 15.

Lima & Northern.
Louisville & Nashville.
Lake Superior & Ishpeming.
Milwaukee & Northern.
Milwaukee, Lake Shore & Western.
Minneapolis, St. Paul & Sault Ste. Marie.
Minneapolis Belt Line.
Minneapolis & St. Louis.
Mobile & Birmingham.
Milwaukee & Lake Winnebago.
Minnesota Transfer.
Northern Pacific.
Peoria & Pekin Union R'y.
Quincy, Omaha & Kansas City.
Rock Island & Peoria.
St. Louis, Alton & Terre Haute.
St. Louis, Alton & Springfield.
St. Louis Terminal.
San Antonio & Gulf Shore.
St. Louis National Stock Yard.
St. Louis, Chicago & St. Paul.
Texas Central R'y.
Toledo, Peoria & Western.
Terminal Association of St. Louis.
Tamaroa & Mount Vernon.
Union Stock Yards Co., Sioux City.
Union Stock Yards, Chicago.
Wisconsin Central.
Wabash, Chester & Western.
Wisconsin & Michigan.
Williamsville, Greensville & St. Louis.

SECTION 6007.

PAGE 16.

Chicago, Milwaukee & St. Paul.
City R'y Co., St. Louis.
China & Japan Trading Co.
Elgin, Joliet & Eastern.
Minneapolis & Eastern.
Missouri, Kansas & Texas.
Prairie du Chien & McGregor.
Peoria, Decatur & Evansville.
St. Joseph & Grand Island.
South Western Co.

SECTION 6008.

PAGE 17.

The Oregon R. R. & Navigation Co.
Kansas City Suburban Belt R. R.
Oregon Short Line.
Union Pacific.

SECTION 6009.

PAGE 18.

Atchison, Topeka & Santa Fe.
Chicago, Peoria & St. Louis.
Chicago, Lake Shore & Eastern.
Duluth, Missabe & Northern.
Ft. Worth & Denver City R'y.
Great Northern.
North-Western Coal R'y.
Pennsylvania Co.
St. Louis Terminal R. R. Association.
Swan Logging Co.
Little Rock, Hot Springs & Texas.

CLASSIFIED INDEX OF RAILS.

Showing List of Railroads Using Each Rail.

| PAGE 17 SECTION 8007. | PAGE 18 SECTION 8001-Continued. | PAGE 19 SECTION 8001. |
|--|---|---|
| <p>Chicago, Milwaukee & St. Paul City R. Co., St. Louis Cuba & Japan Trading Co. Ely, Jobe & Eastern Hannapolis & Eastern Missouri, Kansas & Texas Northern Pacific & McGregor Pacific Coast & Northwestern St. Joseph & Grand Island South Western Co.</p> | <p>Line & Northern Louisville & Nashville Lumber Reporter & Lumbering Milwaukee & Northern Milwaukee, Lake Shore & Western Minnesota, St. Paul & South Star Marine Minnesota Port Line Mississippi & St. Louis Mobile & Birmingham Missouri & Lake Winnebago Minnesota Terminal Northern Pacific Pacific & North Star Quincy, Omaha & Kansas City Rock Island & Pacific St. Louis, Alton & Terre Haute St. Louis, Alton & Springfield St. Louis Terminal San Antonio & Gulf River St. Louis National Stock Yards St. Louis, Chicago & St. Paul Texas Central R. Toledo, Leota & Western Terminal Association of St. Louis Tombigbee & Mount Vernon Union Stock Yards Co., Sioux City Union Stock Yards, Chicago Wisconsin Central Western Coast & Western Wisconsin & Michigan Williamsville, Greenfield & St. Louis</p> | <p>Atlanta & North Georgia R. Atlantic & North Carolina Baltimore, Chesapeake & Northern Baltimore & Annapolis Baltimore & North Western Baltimore Street R., Memphis Chicago & North Western Chicago, St. Paul, Minneapolis & Manitoba Chicago, Rock Island & Pacific Chicago & West Michigan Chicago Great Western Chicago & Erie Chicago & Eastern Illinois Chicago & Indiana Harbor Chicago & North Western Pacific Chicago & North Michigan Chicago, Kansas City & Texas Chicago & Great Lakes Chicago & Illinois Chicago, Kansas & Nebraska Cincinnati, Toledo & Aurora Chicago & Texas Chicago & Grand Trunk Chicago & South Shore Chicago, Lake Shore & Eastern Chicago & Atlantic Detroit, South Shore & Atlantic Detroit & Iron Range Detroit, Grand Rapids & Western R. Detroit & Livonia Detroit Terminal Des Moines & Kansas City Detroit & Warren Detroit, South Shore & Atlantic Ely, Jobe & Eastern East St. Louis Stock Yards Greenfield & Terre Haute Harris & Western Hendrick & Henderson Houston & Beaumont Hammond, Whiting & East Chicago Iowa Central Illinois Central Indiana, Illinois & Iowa Indiana & Illinois Southern Ipswich & Western Kansas City, Ft. Scott & Memphis Kansas City Hall Kansas City, Memphis & Birmingham Louisville, New Albany & Indiana Lake Erie & Western</p> |
| <p style="text-align: center;">PAGE 17 SECTION 8008.</p> <p>The Oregon R. R. & Navigation Co. Kansas City Southern Belt R. R. Oregon Short Line Union Pacific</p> | <p style="text-align: center;">PAGE 18 SECTION 8002.</p> <p>St. Louis National Stock Yards St. Louis, Chicago & St. Paul Texas Central R. Toledo, Leota & Western Terminal Association of St. Louis Tombigbee & Mount Vernon Union Stock Yards Co., Sioux City Union Stock Yards, Chicago Wisconsin Central Western Coast & Western Wisconsin & Michigan Williamsville, Greenfield & St. Louis</p> | <p style="text-align: center;">PAGE 19 SECTION 8001.</p> <p>Atlanta & North Georgia R. Atlantic & North Carolina Baltimore, Chesapeake & Northern Baltimore & Annapolis Baltimore & North Western Baltimore Street R., Memphis Chicago & North Western Chicago, St. Paul, Minneapolis & Manitoba Chicago, Rock Island & Pacific Chicago & West Michigan Chicago Great Western Chicago & Erie Chicago & Eastern Illinois Chicago & Indiana Harbor Chicago & North Western Pacific Chicago & North Michigan Chicago, Kansas City & Texas Chicago & Great Lakes Chicago & Illinois Chicago, Kansas & Nebraska Cincinnati, Toledo & Aurora Chicago & Texas Chicago & Grand Trunk Chicago & South Shore Chicago, Lake Shore & Eastern Chicago & Atlantic Detroit, South Shore & Atlantic Detroit & Iron Range Detroit, Grand Rapids & Western R. Detroit & Livonia Detroit Terminal Des Moines & Kansas City Detroit & Warren Detroit, South Shore & Atlantic Ely, Jobe & Eastern East St. Louis Stock Yards Greenfield & Terre Haute Harris & Western Hendrick & Henderson Houston & Beaumont Hammond, Whiting & East Chicago Iowa Central Illinois Central Indiana, Illinois & Iowa Indiana & Illinois Southern Ipswich & Western Kansas City, Ft. Scott & Memphis Kansas City Hall Kansas City, Memphis & Birmingham Louisville, New Albany & Indiana Lake Erie & Western</p> |
| <p style="text-align: center;">PAGE 18 SECTION 8003.</p> <p>St. Louis National Stock Yards St. Louis, Chicago & St. Paul Texas Central R. Toledo, Leota & Western Terminal Association of St. Louis Tombigbee & Mount Vernon Union Stock Yards Co., Sioux City Union Stock Yards, Chicago Wisconsin Central Western Coast & Western Wisconsin & Michigan Williamsville, Greenfield & St. Louis</p> | <p style="text-align: center;">PAGE 19 SECTION 8001.</p> <p>Atlanta & North Georgia R. Atlantic & North Carolina Baltimore, Chesapeake & Northern Baltimore & Annapolis Baltimore & North Western Baltimore Street R., Memphis Chicago & North Western Chicago, St. Paul, Minneapolis & Manitoba Chicago, Rock Island & Pacific Chicago & West Michigan Chicago Great Western Chicago & Erie Chicago & Eastern Illinois Chicago & Indiana Harbor Chicago & North Western Pacific Chicago & North Michigan Chicago, Kansas City & Texas Chicago & Great Lakes Chicago & Illinois Chicago, Kansas & Nebraska Cincinnati, Toledo & Aurora Chicago & Texas Chicago & Grand Trunk Chicago & South Shore Chicago, Lake Shore & Eastern Chicago & Atlantic Detroit, South Shore & Atlantic Detroit & Iron Range Detroit, Grand Rapids & Western R. Detroit & Livonia Detroit Terminal Des Moines & Kansas City Detroit & Warren Detroit, South Shore & Atlantic Ely, Jobe & Eastern East St. Louis Stock Yards Greenfield & Terre Haute Harris & Western Hendrick & Henderson Houston & Beaumont Hammond, Whiting & East Chicago Iowa Central Illinois Central Indiana, Illinois & Iowa Indiana & Illinois Southern Ipswich & Western Kansas City, Ft. Scott & Memphis Kansas City Hall Kansas City, Memphis & Birmingham Louisville, New Albany & Indiana Lake Erie & Western</p> | |

CLASSIFIED INDEX OF RAILS.

Showing List of Railroads Using Each Rail.

| SECTION 6012. PAGE 19. | A. S. C. E. STAND. SECTION 6015. PAGE 22. | SECTION 6506. PAGE 27. |
|---|---|---|
| <p>Anderson Electric Street R'y. Bloomington City R'y. Bay Cities Consolidated R'y. Berlin & Waterloo Street R'y. Columbus Central. Citizens' Street R'y, Battle Creek. Columbus Street R'y. Citizens' Electric R'y, Light & Power Co. Duluth Street R'y. Des Moines City R'y. Evansville Street R'y. Ft. Wayne Electric R'y Co. General Electric. Joliet R'y Co. Los Angeles Traction Co. Los Angeles R'y Co. Milwaukee Street R'y. Marion City R'y. Marinette Gas, Electric Light & Street R'y. Mt. Clemens Street R'y. Rockford City R'y Co. Richmond City Electric Street R'y. Springfield R'y. Toledo, Maumee & Peoria. Terre Haute Street R'y. Twin City Rapid Transit Co.</p> | <p>SECTION 6101. PAGE 23.</p> <p>Atchison, Topeka & Santa Fe. Central R'y Co. of Peoria. St. Joseph Terminal. Wabash & Chester.</p> <p>SECTION 6301. PAGE 24.</p> <p>Wabash R'y Co.</p> <p>SECTION 6501. PAGE 25.</p> <p>Chicago & Eastern Illinois. Chicago & North-Western. Chicago, St. Paul, Minneapolis & Omaha. Dakota, Wyoming & Missouri River R. R. Elgin, Joliet & Eastern. Evansville & Terre Haute. Omaha & St. Louis. Rio Grande & Western.</p> | <p>Chicago & North-Western. Chicago, Milwaukee & St. Paul.</p> <p>A. S. C. E. STAND. SECTION 6507. PAGE 28.</p> <p>Atchison, Topeka & Santa Fe. Burlington & Missouri River in Nebraskn. Chicago, Burlington & Quincy. Indiana, Decatur & Western. Kansas City, Memphis & Birmingham. Link Line. Peoria, Decatur & Evansville. Toledo, Peoria & Western. Trinity, Cameron & Western.</p> <p>SECTION 6601. PAGE 29.</p> <p>Chicago, Burlington & Quincy. Chicago, Burlington & Northern. Chicago & Western Indiana. Lake Michigan Car Ferry Transfer Co. Kansas City Suburban Belt R'y. Kansas City, St. Joe & Council Bluffs.</p> |
| <p>SECTION 6013. PAGE 20.</p> <p>St. Louis & San Francisco.</p> | <p>SECTION 6504. PAGE 26.</p> <p>Elgin, Joliet & Eastern. Lake Shore & Michigan Southern. New York, Chicago & St. Louis. Wyoming & Pacific Improvement Co.</p> | <p>SECTION 6602. PAGE 30.</p> <p>Burlington, Cedar Rapids & Northern. Chicago, Burlington & Quincy. Des Moines & Union. Duluth Transfer Co. Des Moines, Northern & Western. Galveston, Houston & Henderson. Kansas City, St. Joe & Council Bluffs R. R. Minneapolis & St. Louis. Missouri, Kansas & Texas. Northern Pacific. Peoria, Decatur & Evansville. St. Paul & Northern Pacific. St. Louis, Keokuk & North Western.</p> |
| <p>SECTION 6014. PAGE 21.</p> <p>Texas Midland R'y.</p> | | |

CLASSIFIED INDEX OF RAILS.

Showing List of Railroads Using Each Rail.

| SECTION 8800. | SECTION 8015. | SECTION 6015. | SECTION 6015. |
|---|--|---|--|
| <p>PAGE 21</p> <p>Chicago & North Western Chicago, Milwaukee & St. Paul</p> | <p>PAGE 22</p> <p>A. B. C. & State.</p> | <p>PAGE 19</p> <p>Anderson Electric Street R. Bloomington City R. Day (City Consolidated) R. Harris & Westmore Street R. Columbus Central Columbus Street R. Columbus Street R. Chicago Electric R., Light & Power Co. Detroit Street R. Des Moines City R. Hennepin Street R. St. Wayne Electric R. Co. Commercial Electric Lafayette R. Co. Los Angeles Traction Co. Los Angeles R. Co. Milwaukee Street R. St. Paul City R. Marquette Gas Electric Light & Street R. Mt. Carmel Street R. Rockford City R. Co. Richmond City Electric Street R. Springfield R. Toledo, Maumee & Leonia Toledo Street Street R. Twin City Rapid Transit Co.</p> | <p>PAGE 20</p> <p>St. Louis & San Francisco</p> |
| <p>PAGE 22</p> <p>Atchafalaya, Toledo & Santa Fe Burlington & Missouri River in Nebraska Chicago, Burlington & Quincy Indiana, Detroit & Western Kansas City, Memphis & Birmingham Lack Lane Leonia, Leonia & Evansville Toledo, Leonia & Western Trinity, Leonia & Western</p> | <p>PAGE 23</p> <p>SECTION 6101.</p> <p>Atchafalaya, Toledo & Santa Fe Central R. Co. of Iowa St. Joseph Terminal Wabash & Leonia</p> | <p>PAGE 24</p> <p>SECTION 6301.</p> <p>Wabash R. Co.</p> | <p>PAGE 25</p> <p>SECTION 6501.</p> <p>Chicago & Eastern Illinois Chicago & North Western Chicago St. Paul, Minneapolis & Omaha Detroit, Wyoming & Missouri River R. R. Eggs, Leonia & Western Evansville & Terre Haute Omaha & Leonia Rio Grande & Western.</p> |
| <p>PAGE 23</p> <p>SECTION 6601.</p> <p>Chicago, Burlington & Quincy Chicago, Burlington & Northern Chicago & Western Indiana Lake Michigan (or Lake) Traction Co. Kansas City, Suburban City R. Kansas City, St. Joe & Council Bluffs</p> | <p>PAGE 24</p> <p>SECTION 6801.</p> <p>Chicago & Eastern Illinois Chicago & North Western Chicago St. Paul, Minneapolis & Omaha Detroit, Wyoming & Missouri River R. R. Eggs, Leonia & Western Evansville & Terre Haute Omaha & Leonia Rio Grande & Western.</p> | <p>PAGE 25</p> <p>SECTION 6014.</p> <p>Leonia, Leonia & Evansville Leonia, Leonia & Western St. Paul & Northern Pacific St. Paul, Leonia & Western St. Louis, Leonia & North Western</p> | <p>PAGE 26</p> <p>SECTION 6014.</p> <p>Leonia, Leonia & Evansville Leonia, Leonia & Western St. Paul & Northern Pacific St. Paul, Leonia & Western St. Louis, Leonia & North Western</p> |
| <p>PAGE 24</p> <p>SECTION 6801.</p> <p>Chicago, Burlington & Quincy Chicago, Burlington & Northern Chicago & Western Indiana Lake Michigan (or Lake) Traction Co. Kansas City, Suburban City R. Kansas City, St. Joe & Council Bluffs</p> | <p>PAGE 25</p> <p>SECTION 6804.</p> <p>Leonia, Leonia & Evansville Leonia, Leonia & Western St. Paul & Northern Pacific St. Paul, Leonia & Western St. Louis, Leonia & North Western</p> | <p>PAGE 26</p> <p>SECTION 6014.</p> <p>Leonia, Leonia & Evansville Leonia, Leonia & Western St. Paul & Northern Pacific St. Paul, Leonia & Western St. Louis, Leonia & North Western</p> | <p>PAGE 27</p> <p>SECTION 6802.</p> <p>Burlington, Cedar Rapids & Northern Chicago, Burlington & Quincy Los Angeles & Union Detroit Traction Co. The Missouri, Northern & Western Hennepin, Hennepin & Hennepin Kansas City, St. Joe & Council Bluffs R. R. Minneapolis & St. Louis Missouri, Kansas & Texas Northern Pacific Porter, Leonia & Evansville St. Paul & Northern Pacific St. Paul, Leonia & Western</p> |

CLASSIFIED INDEX OF RAILS.

Showing List of Railroads Using Each Rail.

| SECTION 6701. PAGE 31. | SECTION 6801. PAGE 35. | SECTION 7011. PAGE 41. |
|---|---|---|
| <p>Aurora Street R'y. Chicago & Grand Trunk. Elgin, Joliet & Eastern. Illinois Central. Louisville, New Albany & Chicago. Kansas City, Ft. Scott & Memphis. Midland R'y Co. Peoria & Pekin Union. St. Louis Merchant Bridge Terminal. St. Louis, Alton & Terre Haute.</p> | <p>Des Moines Union R'y. Des Moines, Northern & Western. Great Northern. Hot Springs Railway. Wisconsin & Michigan.</p> | <p>Columbus Central. Chicago General R'y. Chicago City R'y. Milwaukee Street Ry. Painesville, Fairport & Richmond. South Bend Street R'y.</p> |
| SECTION 6702. PAGE 32. | SECTION 7005. PAGE 37. | SECTION 7013. PAGE 42. |
| <p>Chicago & Grand Trunk. Flint & Pere Marquette. Iron Range & Huron Bay. Louisville, New Albany & Chicago. Elk Mountain. Kansas City, Fort Scott & Memphis.</p> | <p>Atchison, Topeka & Santa Fe. Aurora Street R'y Co. Grand Rapids & Indiana R. R. Indianapolis Union. Kickapoo Valley & Northern. Pennsylvania Co. St. Louis Terminal. Terminal R. R. Association of St. Louis. Wisconsin Central.</p> | <p>Minneapolis & St. Louis.</p> |
| SECTION 6703. PAGE 33. | SECTION 7007. PAGE 35. | SECTION 7102. PAGE 43. |
| <p>St. Paul & Duluth.</p> | <p>Boone Valley Coal & R'y Co. Gilpin Tramway Co. Texas Midland R'y. Wisconsin Central.</p> | <p>Chicago, Indiana & Eastern. Lake Street Elevated.</p> |
| SECTION 6704. PAGE 34. | SECTION 7009. PAGE 39. | SECTION 7103. PAGE 44. |
| <p>Baltimore & Ohio. Louisville, New Albany & Chicago. St. Louis & San Francisco.</p> | <p>Union Pacific.</p> | <p>Lake Shore & Michigan Southern.</p> |
| SECTION 6705. PAGE 35. | 4 S. C. E. STAND. SECTION 7010. PAGE 40. | SECTION 7201. PAGE 45. |
| <p>Louisville, New Albany & Chicago.</p> | <p>Chicago & West Michigan. Chicago, Hammond & Western. Detroit, Grand Rapids & Western. Evansville & Terre Haute. Illinois Central. Michigan Central. Peoria, Decatur & Evansville. St. Paul & Duluth.</p> | <p>Chicago & North-Western. Chicago, St. Paul, Minneapolis & Omaha. City Street R'y. Memphis. Northern Pacific.</p> |
| | | SECTION 7202. PAGE 46. |
| | | <p>Belleville Electric R'y. Milwaukee, Lake Shore & Western. Minneapolis, St. Paul & Sault Ste. Marie.</p> |

CLASSIFIED INDEX OF RAILS.

Showing List of Railroads Using Each Rail.

| SECTION 7011 | SECTION 6801 | SECTION 7012 | SECTION 6701 |
|--|--|---|--|
| <p>PAGE 21</p> <p>South Bend Street R. Pennsylvania, Fairport & Johnson Milwaukee Street R. Chicago Great N. Chicago Terminal R. Columbus Central</p> | <p>PAGE 20</p> <p>Wisconsin & Michigan Hot Springs Railway Great Northern Los Angeles, Northern & Western Los Angeles Union R.</p> | <p>PAGE 22</p> <p>Chicago, Indiana & Eastern Lake Street Terminal</p> | <p>PAGE 20</p> <p>St. Louis, New Albany & Chicago Michigan Central Detroit, Grand Rapids & Western Erie, Hamilton & Western Chicago & West Michigan</p> |
| <p>PAGE 22</p> <p>Minneapolis & St. Louis</p> | <p>PAGE 21</p> <p>St. Louis Terminal Terminal R. Association of St. Louis Pennsylvania Co. Kalamazoo Valley & Northern Indianapolis Union Grand Rapids & Indiana R. R. Aurora Street R. Co. Michigan, Toledo & Santa Fe</p> | <p>PAGE 23</p> <p>Chicago & Grand Trunk Erie & New Brunswick Iron Range & Iron Bay Louisville, New Albany & Chicago Elk Mountain Kansas City, Fort Scott & Memphis</p> | <p>PAGE 21</p> <p>St. Louis, New Albany & Chicago St. Louis, New Albany Bridge Terminal Lewis & Clark Union Kansas City, Ft. Scott & Memphis Louisville, New Albany & Chicago Illinois Central St. Louis Valley & Eastern Chicago & Grand Trunk Aurora Street R.</p> |
| <p>PAGE 23</p> <p>SECTION 7103</p> | <p>PAGE 20</p> <p>SECTION 7007</p> | <p>PAGE 23</p> <p>SECTION 6703</p> | <p>PAGE 21</p> <p>SECTION 6704</p> |
| <p>PAGE 24</p> <p>Lake Shore & Michigan Southern</p> | <p>PAGE 20</p> <p>Wisconsin Central Texas-Michigan R. R. Great Terminal Co. Hooper Valley Coal & R. Co.</p> | <p>PAGE 22</p> <p>St. Paul & Duluth</p> | <p>PAGE 22</p> <p>St. Louis & San Francisco Louisville, New Albany & Chicago Baltimore & Ohio</p> |
| <p>PAGE 25</p> <p>SECTION 7201</p> | <p>PAGE 20</p> <p>SECTION 7009</p> | <p>PAGE 23</p> <p>SECTION 6705</p> | <p>PAGE 22</p> <p>SECTION 6706</p> |
| <p>PAGE 25</p> <p>Chicago & North Western Chicago, St. Paul, Minneapolis & Omaha City Street R., Memphis Northern Pacific</p> | <p>PAGE 20</p> <p>Union Pacific</p> | <p>PAGE 23</p> <p>St. Paul & Duluth</p> | <p>PAGE 22</p> <p>St. Paul & Duluth Levee, Decatur & Knoxville Michigan Central Erie, Hamilton & Western Chicago & West Michigan</p> |
| <p>PAGE 26</p> <p>SECTION 7303</p> | <p>PAGE 20</p> <p>SECTION 7010</p> | <p>PAGE 23</p> <p>SECTION 6707</p> | <p>PAGE 22</p> <p>SECTION 6708</p> |
| <p>Minneapolis, St. Paul & North Star Milwaukee, Lake Shore & Western Belleville Electric R. R.</p> | <p>PAGE 20</p> <p>Chicago & West Michigan Chicago, Hamilton & Western Detroit, Grand Rapids & Western Knoxville & New Haven Illinois Central Michigan Central Levee, Decatur & Knoxville St. Paul & Duluth</p> | <p>St. Louis & San Francisco Louisville, New Albany & Chicago</p> | <p>Louisville, New Albany & Chicago</p> |

CLASSIFIED INDEX OF RAILS.

Showing List of Railroads Using Each Rail.

| SECTION 7203. PAGE 47. | SECTION 7507. PAGE 52. | SECTION 8004—Continued. PAGE 57. |
|--|--|--|
| Columbus Street R'y. City Electric R'y, Port Huron. Denver Tramway Co. Lake Cities Electric R'y. Lincoln Street R'y. Milwaukee St. R'y. Ottawa Electric R'y. Quebec, Montmorency & Charlevoix. Seattle Construction Co. Terre Haute Street R'y. | Great Northern. Butte, Anaconda & Pacific R'y. | Chicago, Lake Shore & Eastern. Chicago & Grand Trunk. Dominion Construction Co. Lake Shore & Michigan Southern. Michigan Central. Twin City Rapid Transit Co. Toronto, Hamilton & Buffalo R'y. |
| SECTION 7204. PAGE 48. | SECTION 7508. PAGE 53. | SECTION 8005. PAGE 58. |
| Canadian Pacific. Detroit, South Shore & Atlantic. | Great Northern. Butte, Anaconda & Pacific R'y. | Chicago & Erie. New York, Lake Erie & Western. |
| SECTION 7301. PAGE 49. | SECTION 7509. PAGE 54. | SECTION 8503. PAGE 59. |
| Canadian Pacific. | Great Northern. Butte, Anaconda & Pacific R'y. | Kansas City, Osceola & Southern. Pennsylvania Co. Terre Haute & Indianapolis. |
| SECTION 7502. PAGE 50. | SECTION 8001. PAGE 55. | A. S. C. E. STAND. SECTION 8504. PAGE 60. |
| Chicago, Milwaukee & St. Paul. Elgin, Joliet & Eastern. Kansas City, Ft. Scott & Memphis. Union Pacific. Union Stock Yards & Transit Co., Chicago. | Chicago, Lake Shore & Eastern. Chicago & North-Western. Chicago, St. Paul, Minneapolis & Omaha. Chicago & Western Indiana. Duluth & Iron Range. Duluth, Missabe & Northern. Elgin, Joliet & Eastern. Lake Street Elevated. Lake Superior & Ishpeming. Michigan Central. Wisconsin Central. West Side Construction Co., Chicago. | Baltimore & Ohio. Chicago, Milwaukee & St. Paul. |
| A. S. C. E. STAND. SECTION 7506. PAGE 51. | SECTION 8003. PAGE 56. | SECTION 9001. PAGE 61. |
| Atelison, Topeka & Santa Fe. Burlington & Missouri River in Nebraska. Chicago, Burlington & Quincy. Cincinnati, Portsmouth & Virginia. Chicago Great Western. East Tennessee, Virginia & Georgia. Illinois Central. Kansas City, Ft. Scott & Memphis. Lake Erie & Western. Missouri, Kansas & Texas R'y. New Orleans & North Eastern. St. Paul & Duluth. Wisconsin & Michigan. | Great Northern. | Chicago & South Side Rapid Transit R. R. Co. |
| | A. S. C. E. STAND. SECTION 8004. PAGE 57. | A. S. C. E. STAND. SECTION 9002. PAGE 62. |
| | Baltimore & Ohio R'y. Burlington, Cedar Rapids & Northern. Chicago, Rock Island & Pacific. Chicago & Alton. Chicago & Eastern Illinois. | A. S. C. E. STAND. SECTION 9501. PAGE 63. |
| | | A. S. C. E. STAND. SECTION 10001. PAGE 64. |
| | | Illinois Central. |

INDEX OF SPLICE BARS.

Showing Partial List of Roads Using Each Section.

| | | | | | |
|---|----------|--|----------|--|-----------|
| Section 5614—A. Alameda and San Joaquin. | Page 79. | Section 6504—A. New York, Chicago & St. Louis. | Page 90. | Section 6801—A. Great Northern. Wisconsin & Michigan. | Page 100. |
| Section 6001—A. | Page 81. | Section 6506—A. Chicago, Milwaukee & St. Paul. | Page 91. | Section 7005—A. Pennsylvania Co. Grand Rapids & Indiana. | Page 101. |
| Section 6001—B. Chicago, Rock Island & Pacific. Indiana, Illinois & Iowa. Kansas City, Fort Scott & Memphis. | Page 82. | Section 6507—A. | Page 92. | Section 7007—A. Wisconsin Central. Texas Midland. | Page 102. |
| Section 6007—A. Chicago, Milwaukee & St. Paul. Elgin, Joliet & Eastern. Wisconsin Central. | Page 83. | Section 6507—B. Chicago, Burlington & Quincy. Trinity, Cameron & Western. | Page 93. | Section 7010—A. Michigan Central. Elgin & Terre Haute. Chicago & West Michigan. | Page 103. |
| Section 6008—A. The Oregon R. R. & Navigation Co. | Page 84. | Section 6601—A. Chicago, Burlington & Quincy. Kansas City, St. Joe & Council Bluffs. Chicago & Western Indiana. | Page 94. | Section 7010—B. Michigan Central. | Page 104. |
| Section 6009—A. Little Rock, Hot Springs & Texas. Pennsylvania Co. | Page 85. | Section 6602—A. Northern Pacific. | Page 95. | Section 7011—A. | Page 105. |
| Section 6012—A. | Page 86. | Section 6602—B. Chicago, Burlington & Quincy. Des Moines, Northern & Western. | Page 96. | Section 7013—A. Minneapolis & St. Louis. | Page 106. |
| Section 6014—A. Texas Midland. | Page 87. | Section 6701—A. Illinois Central. | Page 97. | Section 7102—A. Lake Street Elevated. | Page 107. |
| Section 6015—A. | Page 88. | Section 6702—A. Chicago & Grand Trunk. Elk Mountain. Kansas City, Fort Scott & Memphis. | Page 98. | Section 7201—A. Northern Pacific. | Page 108. |
| Section 6501—A. Chicago & Eastern Illinois. | Page 89. | Section 6705—A. Louisville, New Albany & Chicago. St. Paul & Duluth. | Page 99. | Section 7201—B. Chicago & North-Western. | Page 109. |

INDEX OF SPLICE BARS.—CONTINUED.

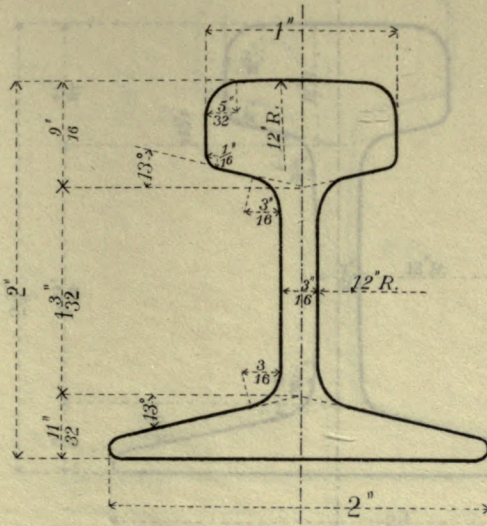
Showing Partial List of Roads Using Each Section.

| | | |
|--|---|--|
| <p style="text-align: center;">Section 7203—A. Page 110.</p> <p>Salt Lake City R. R. Co.</p> | <p style="text-align: center;">Section 8001—A. Page 120.</p> <p>Michigan Central. Lake Superior & Ishpeming. Duluth, Missabe & Northern.</p> | <p style="text-align: center;">Section 8503—A. Page 130.</p> <p>Pennsylvania Co.</p> |
| <p style="text-align: center;">Section 7204—A. Page 111.</p> <p>Canadian Pacific.</p> | <p style="text-align: center;">Section 8001—B. Page 121.</p> <p>Chicago & North-Western.</p> | <p style="text-align: center;">Section 8504—A. Page 131.</p> |
| <p style="text-align: center;">Section 7301—A. Page 112.</p> <p>Canadian Pacific.</p> | <p style="text-align: center;">Section 8003—A. Page 122.</p> <p>Great Northern.</p> | <p style="text-align: center;">Section 9002—A Page 132.</p> |
| <p style="text-align: center;">Section 7502—A. Page 113.</p> <p>Chicago, Milwaukee & St. Paul.</p> | <p style="text-align: center;">Section 8004—A. Page 123.</p> <p>Lake Shore & Michigan Southern.</p> | <p style="text-align: center;">Section 9501—A. Page 133.</p> |
| <p style="text-align: center;">Section 7506—A. Page 114.</p> <p>Lake Erie & Western. New Orleans & North Eastern. St. Paul & Duluth.</p> | <p style="text-align: center;">Section 8004—B. Page 124.</p> <p>Chicago, Rock Island & Pacific. Chicago & Eastern Illinois. Chicago, Lake Shore & Eastern.</p> | <p style="text-align: center;">Section 10001—A. Page 134.</p> |
| <p style="text-align: center;">Section 7506—B. Page 115.</p> <p>Illinois Central. Kansas City, Fort Scott & Memphis. Cincinnati, Portsmouth & Virginia.</p> | <p style="text-align: center;">Section 8004—C. Page 125.</p> <p>Chicago & Grand Trunk.</p> | <p style="text-align: center;">Section 10001—B. Page 135.</p> <p>Illinois Central.</p> |
| <p style="text-align: center;">Section 7506—C. Page 116.</p> <p>Chicago, Burlington & Quincy. Wisconsin & Michigan.</p> | <p style="text-align: center;">Section 8004—D. Page 126.</p> <p>Michigan Central.</p> | <p style="text-align: center;">Truss Joint No. 1. Page 136.</p> <p>Chicago, Milwaukee & St. Paul. Michigan Central.</p> |
| <p style="text-align: center;">Section 7506—D. Page 117.</p> <p>Chicago Great Western.</p> | <p style="text-align: center;">Section 8004—E. Page 127.</p> <p>Chicago & Alton.</p> | <p style="text-align: center;">Truss Joint No. 2. Page 137.</p> <p>Chicago & North-Western.</p> |
| <p style="text-align: center;">Section 7506—E. Page 118.</p> <p>East Tennessee, Virginia & Georgia.</p> | <p style="text-align: center;">Section 8004—F. Page 128.</p> <p>Piggotts & Inglis.</p> | <p style="text-align: center;">Truss Joint No. 3. Page 138.</p> <p>Chicago & North-Western.</p> |
| <p style="text-align: center;">Section 7509—A. Page 119.</p> <p>Great Northern.</p> | <p style="text-align: center;">Section 8005—A. Page 129.</p> <p>New York, Lake Erie & Western.</p> | |

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.



HEAD - - 41 %
WEB - - 21 %
FLANGE - 38 %
FLANGE - 36 %

SECTION N^o 1801.

SECTION N^o 1201.

Wt. 12 Lbs. Per Yard. Mile of Track.

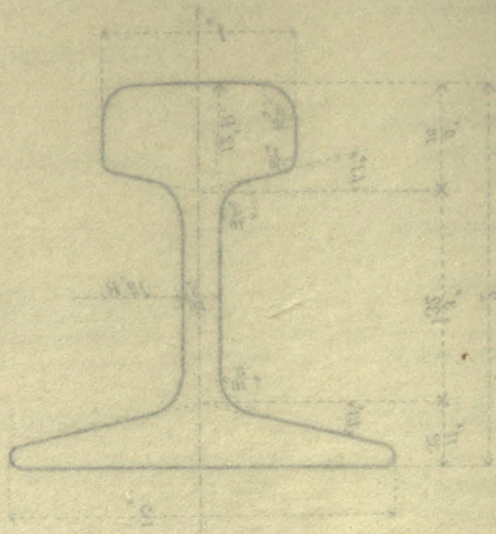
Requires 18 $\frac{1920}{2240}$ Tons per Mile of Track.

WILKINSON STEEL CO.

CHICAGO.

STANDARD

HEAD - - 41 1/2"
WEB - - 51"
FLANGE - 38"



SECTION No 1501.

Wt 15 lbs Per Yard

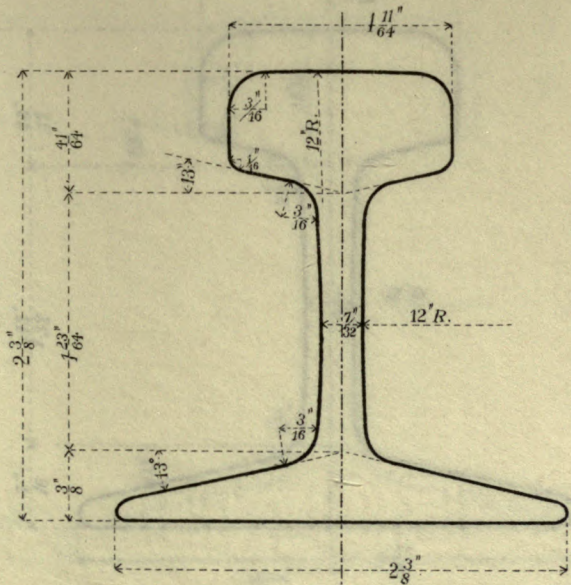
Requires 13 1/2 Tons per Mile of Track.

PEERLESS COMING

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.



HEAD - - 42 %
 WEB - - 22 "
 FLANGE - 36 "

SECTION N° 1601.

Wt. 16 Lbs. Per Yard.

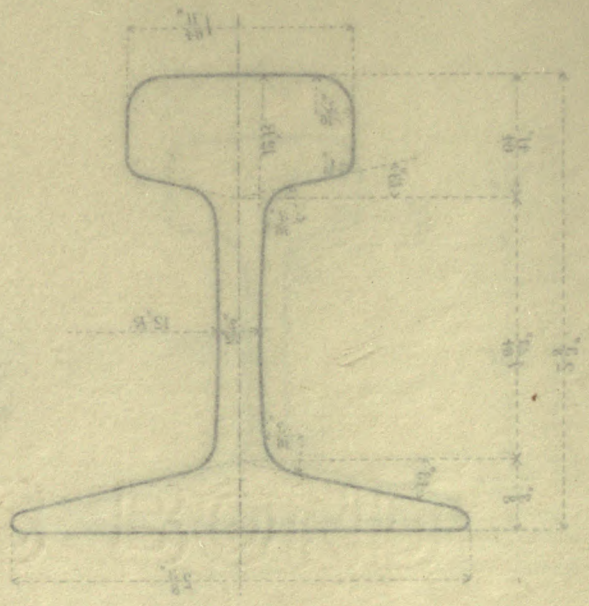
Requires 25 ³²⁰/₂₂₄₀ Tons per Mile of Track.

BRIDGES STEEL CO.

CHICAGO.

STANDARD

FLANGE - 36 ..
 WEB - 55 ..
 HEAD - 45 %



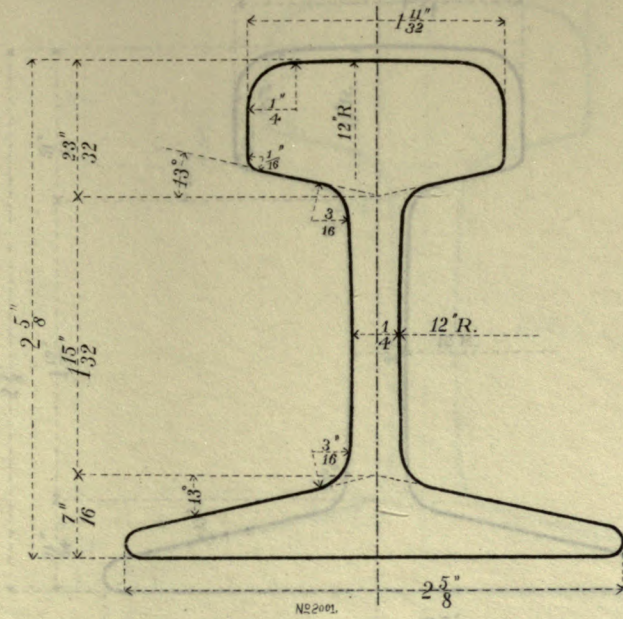
SECTION No 1801.
 Wt 18 Lbs Per Yard.
 Requires 55 ^{3/8}/₁₀₀₀ Tons per Mile of Track.

REW PERLES

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.

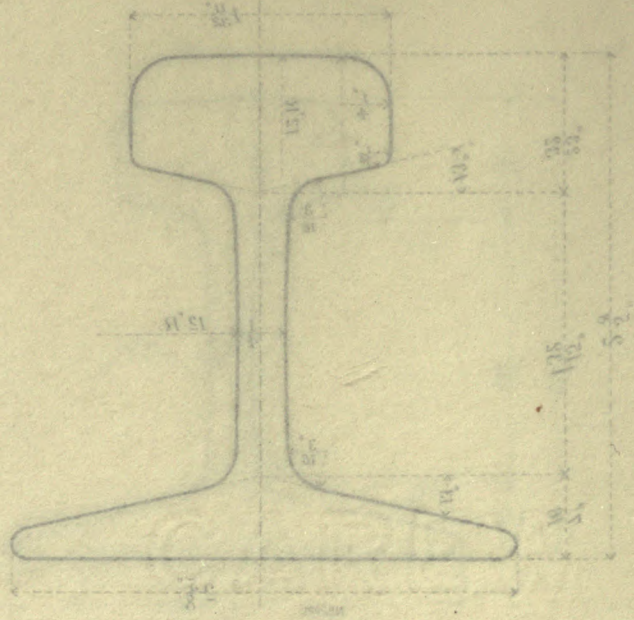


HEAD - - 42 %
 WEB - - 21 ''
 FLANGE - 37 ''

SECTION NO 2001.

Wt. 20 Lbs. Per Yard.

Requires 31 ⁹⁶⁰/₂₂₄₀ Tons per Mile of Track.



SECTION No 5001.
 WT 50 Lbs Per Yard.
 Requires 31 5/8 Tons per Mile of Track.

FLANGE - 37..
 WEB - 51..
 HEAD - 45 1/2

STANDARD.

CHICAGO.

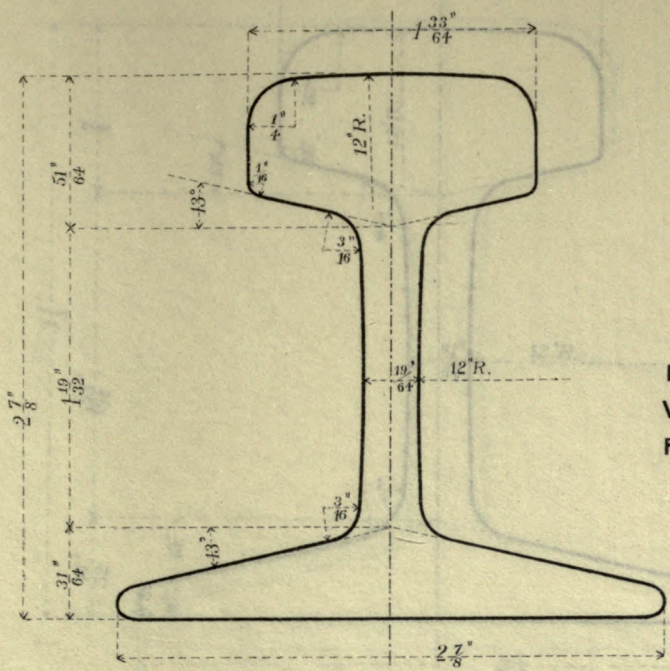
AMERICAN STEEL CO.

BOND

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.



| | | | |
|--------|-----|------|------|
| HEAD | - - | 42 % | 42 % |
| WEB | - - | 22 " | 21 " |
| FLANGE | - - | 36 " | 37 " |

SECTION N° 2501.

Wt. 25 Lbs. Per Yard.

Requires $39 \frac{640}{2240}$ Tons per Mile of Track.

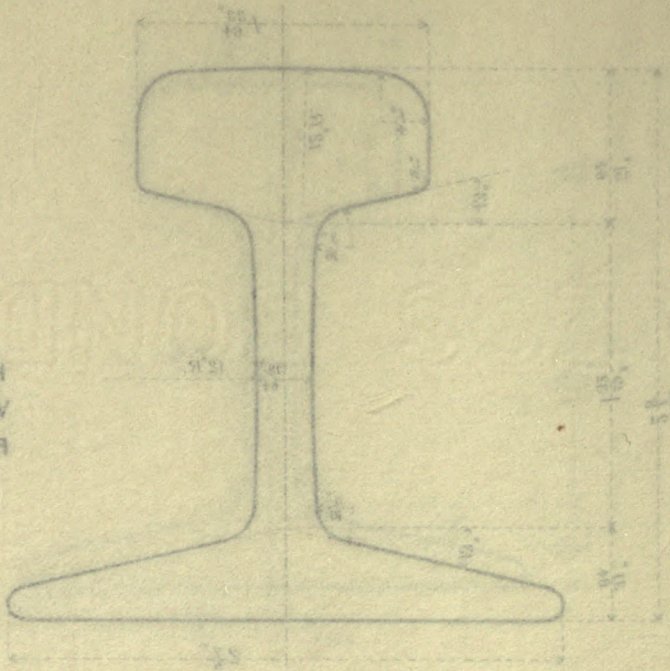
Requires 47 Tons per Mile of Track.

WALKER STEEL CO.

CHICAGO.

STANDARD

FLANGE - 36 ..
 WEB - 55 ..
 HEAD - 45 .. %



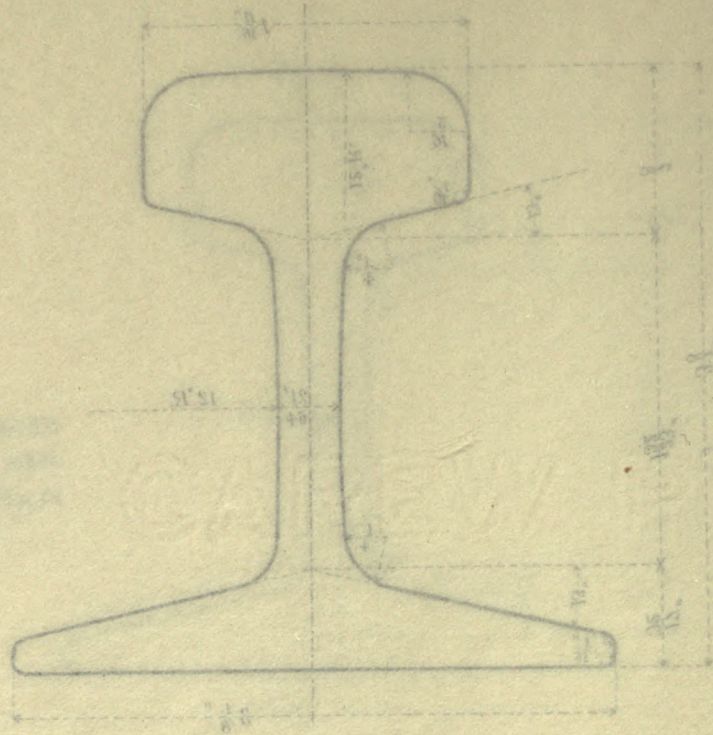
SECTION No 5201.
 Wt 52 lbs Per Yard.
 Requires 38 5/8 Tons per Mile of Track.

WILLIAMS STEEL CO.

CHICAGO.

STANDARD.

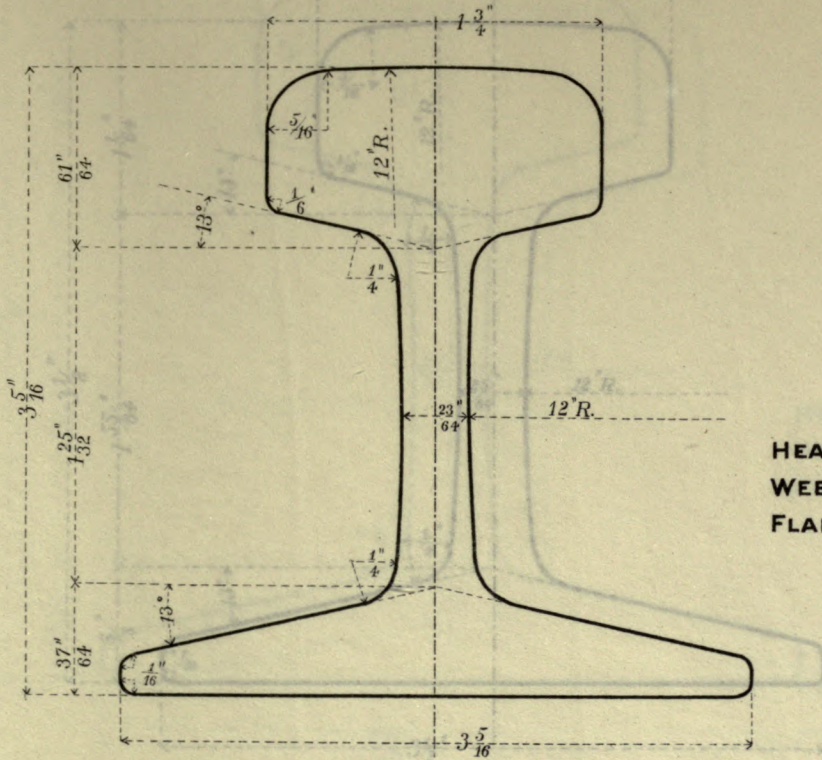
| | | | | |
|--------|---|---|----|------|
| HEAD | - | - | 45 | 1/8" |
| WEB | - | - | 21 | " |
| FLANGE | - | - | 37 | " |



SECTION No 3005.
 Wt. 30 Lbs. Per Yard.
 Requires 47 ⁵⁰⁰/₅₀₀₀ Tons per Mile of Track.

ILLINOIS STEEL CO.

CHICAGO.



RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

STANDARD.

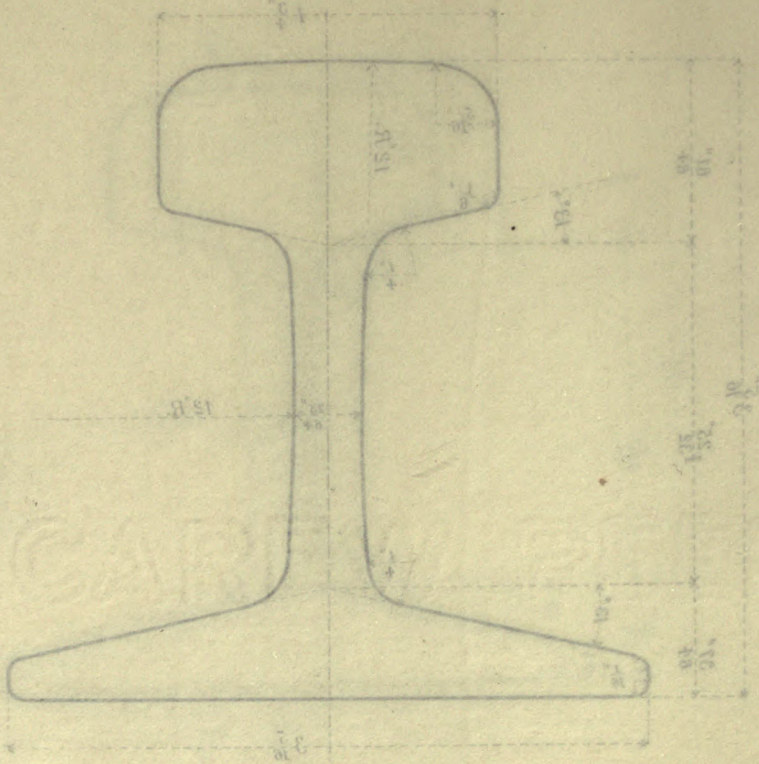
HEAD - 42%
WEB - 21" 37"
FLANGE - 37"

SECTION N^o 3502.

Wt. 35 Lbs. Per Yard.

Requires 55 Tons per Mile of Track.

Requires 55 Tons per Mile of Track.
 Wt. 35 lbs. Per Yard.
 SECTION No. 3205.



FLANGE - 37%
 WEB - 51%
 HEAD - 48%

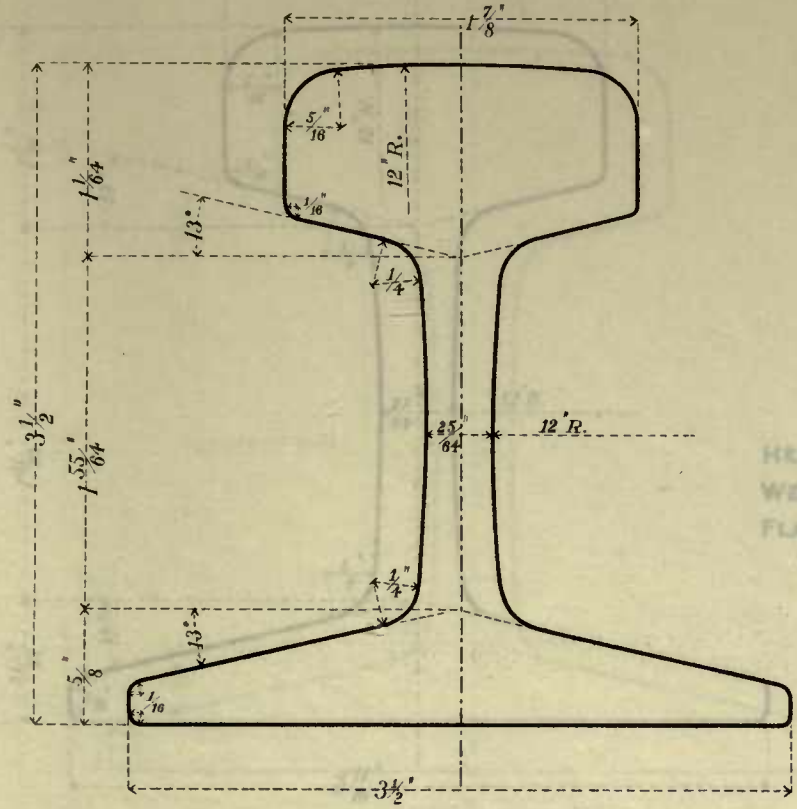
STANDARD

CHICAGO.

WALKERS STEEL CO.

ILLINOIS STEEL CO.

CHICAGO.



RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 42 %
 WEB - - 21 ''
 FLANGE - 37 ''

SECTION No 4504

SECTION No 4004.

Requires Wt. 40 Lbs. Per Yard. Track

Requires $62\frac{1920}{2240}$ Tons per Mile of Track.

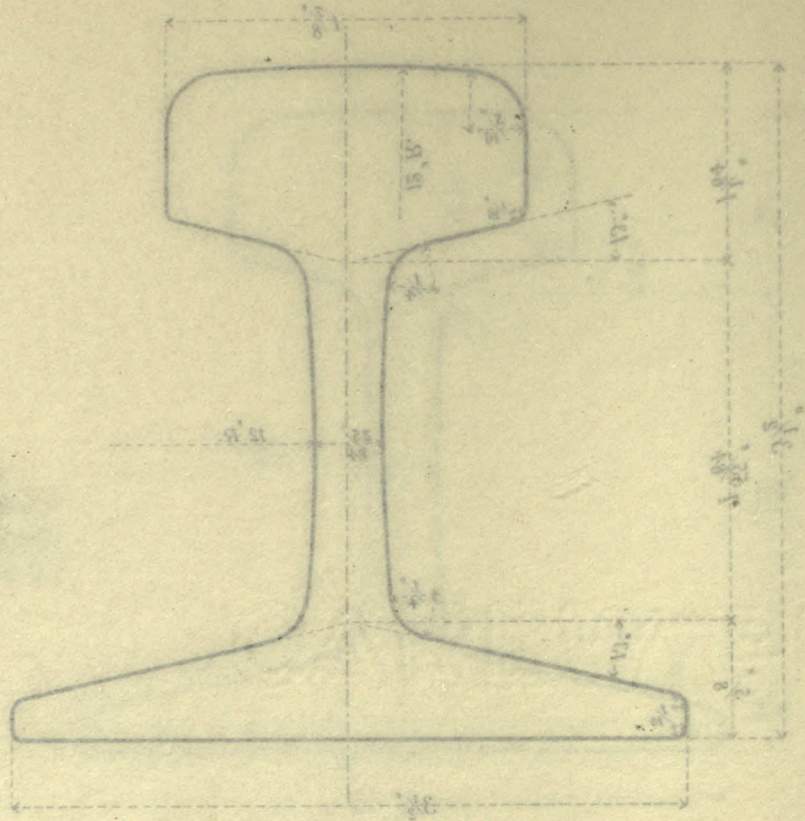
THIS RAIL SECTION INDEX.

AMERICAN STEEL COMPANY

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 45 1/2
WEB - - 21
FLANGE - 37

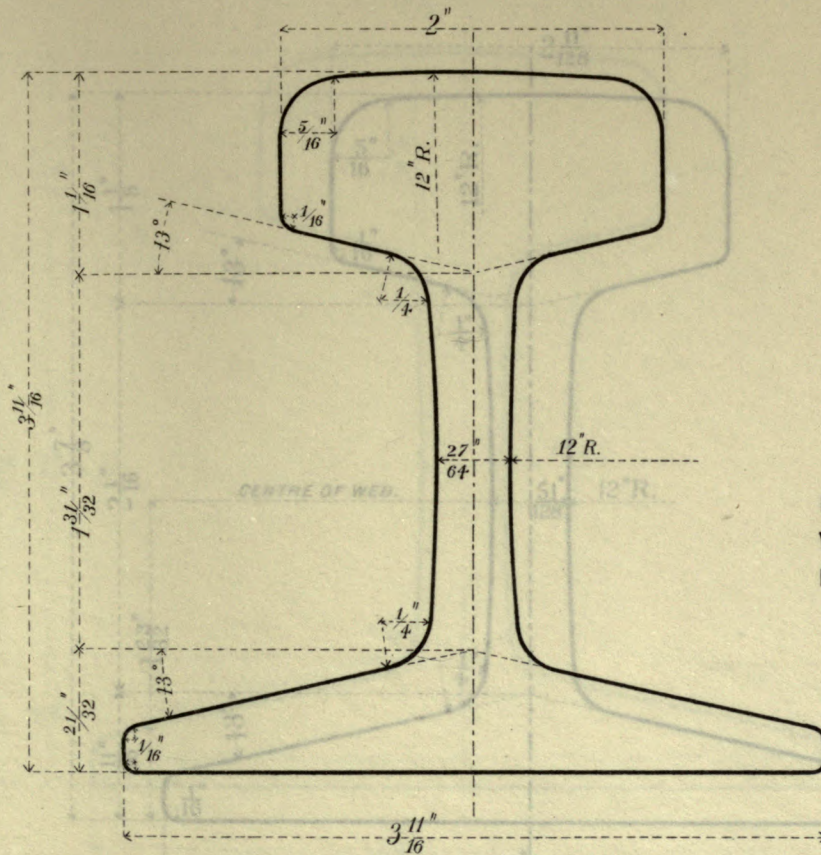


SECTION No 4004.
Wt. 40 Lbs. Per Yard.
Requires 52 1/2 Tons per Mile of Track.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN
SOCIETY OF CIVIL ENGINEERS.



HEAD - - 42 %
WEB - - H 21 " - 423 %
FLANGE - W 37 " - 21.0 %
FLANGE - 36.7 %

SECTION NO. 4504.

Wt. 45 Lbs. Per Yard.

Requires $70 \frac{1600}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

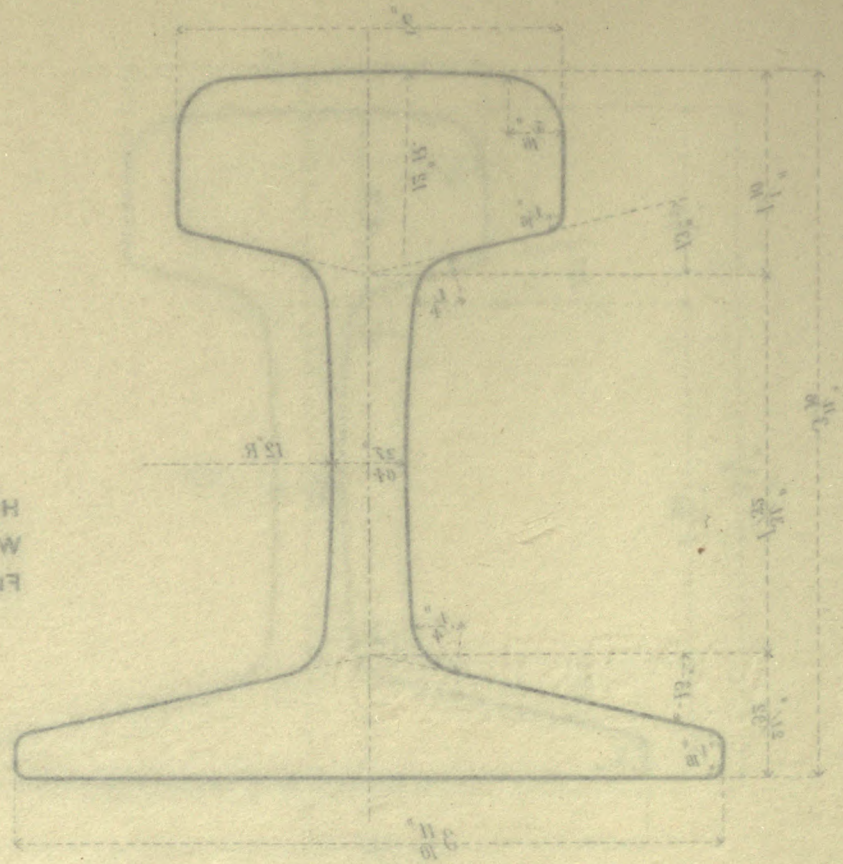
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

WILKINSON'S PATENT CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 45 %
WEB - - 51 ..
FLANGE - 37 ..



SECTION No 4504.

Wt. 45 Lbs Per Yard

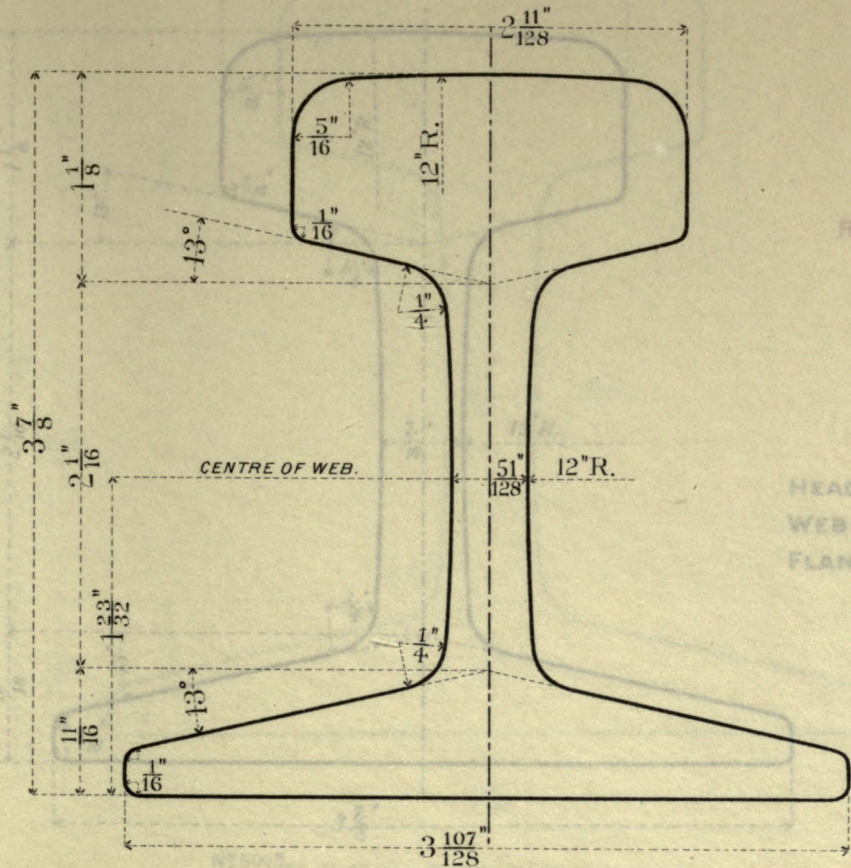
Requires 70 000 / 5500 Tons per Mile of Track.

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



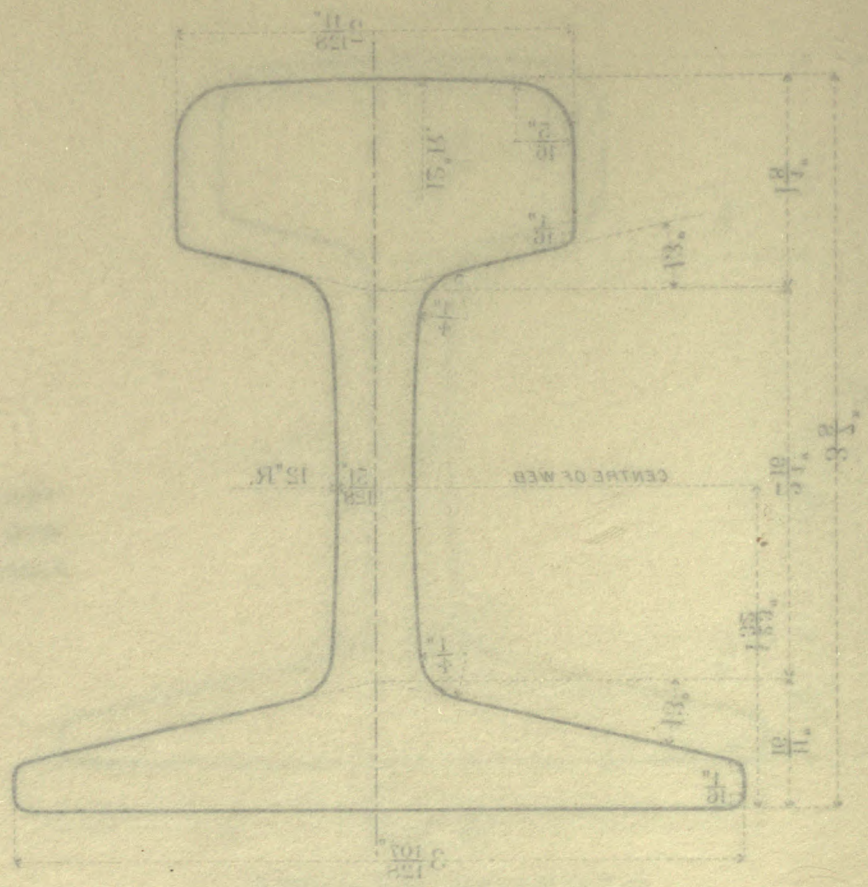
HEAD - - 42 %
 WEB - HEAD - - 42.3 %
 FLANGE WEB - - 21.0 %
 FLANGE - 36.7 %

SECTION NO 5005.
 SECTION NO 4802.

Wt. 48 Lbs. Per Yard.
 Requires $75 \frac{960}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

HEAD - - 45.3 %
 WEB - - 51.0 "
 FLANGE - 36.7 "



SECTION No 4805.
 Wt 48 Lbs Per Yard.
 Requires 75 ⁵⁰⁰/₂₅₀₀ Tons per Mile of Track.

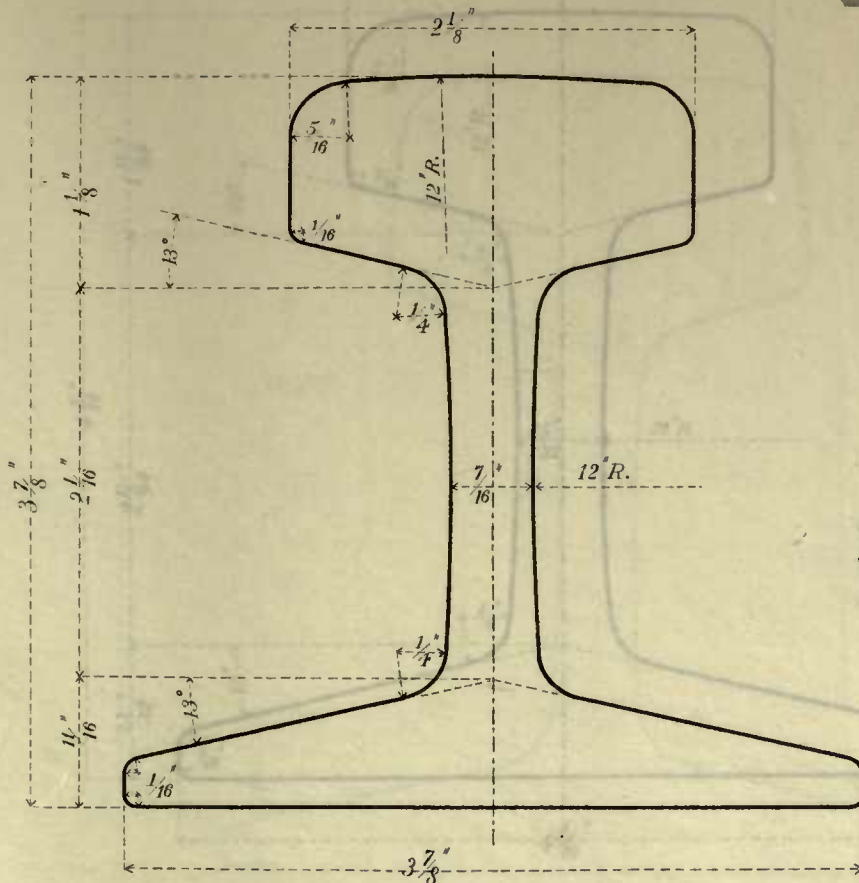
FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN
SOCIETY OF CIVIL ENGINEERS.

HEAD - 42 %
HEAD - 21 "
WEB - 21 "
FLANGE - 37 "



No 5005,

SECTION NO 5005.

Wt. 50 Lbs. Per Yard.

Requires $78\frac{1280}{2240}$ Tons per Mile of Track.

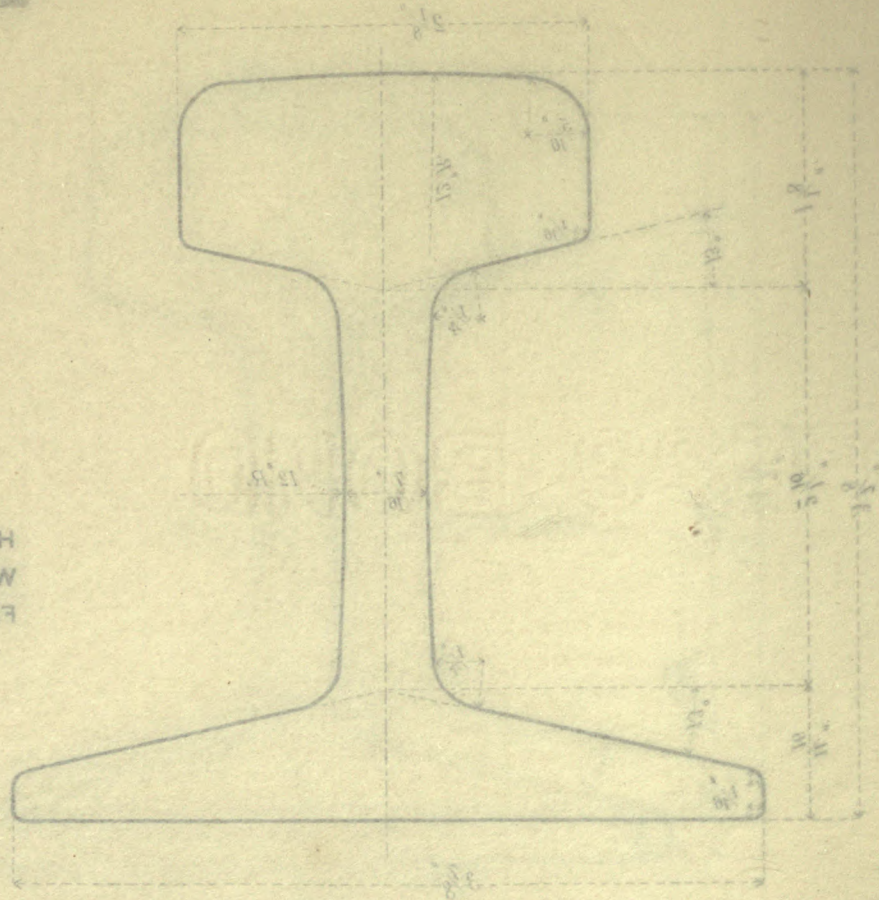
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

AMERICAN STEEL CO.

CHICAGO

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS

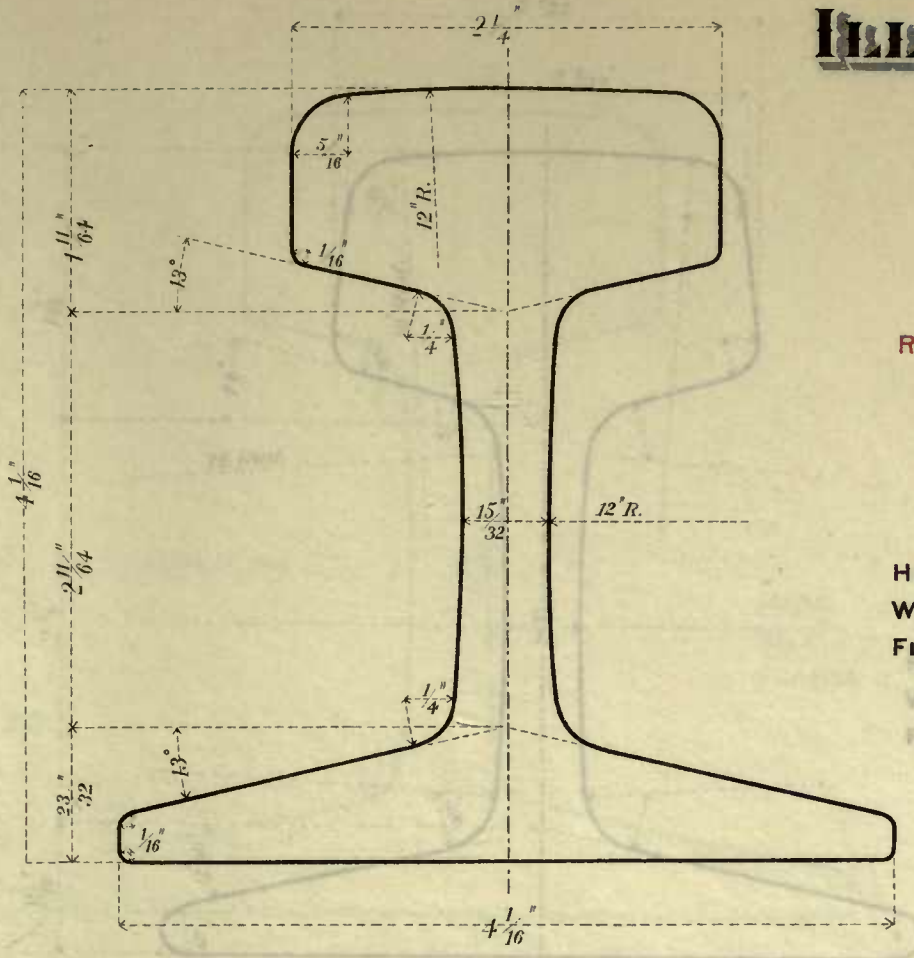
HEAD - - 45 %
WEB - - 51 ..
FLANGE - 37 ..



THIS RAIL SEE INDEX.
FOR LIST OF ROADS USING
Requires 78 ¹⁵⁰⁰/₃₂ Tons per Mile of Track.
Wt 50 Lbs. per Yard
SECTION No 2002.
NR 2002

ILLINOIS STEEL CO.

CHICAGO.



RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

| | | |
|--------|-----|------|
| HEAD | - - | 42 % |
| WEB | - - | 21 " |
| FLANGE | - - | 37 " |
| HEAD | - - | 42 % |
| WEB | - - | 21 " |
| FLANGE | - - | 37 " |

SECTION N^o 5501.
 Wt. 55 Lbs. Per Yard.
 Requires $86 \frac{960}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

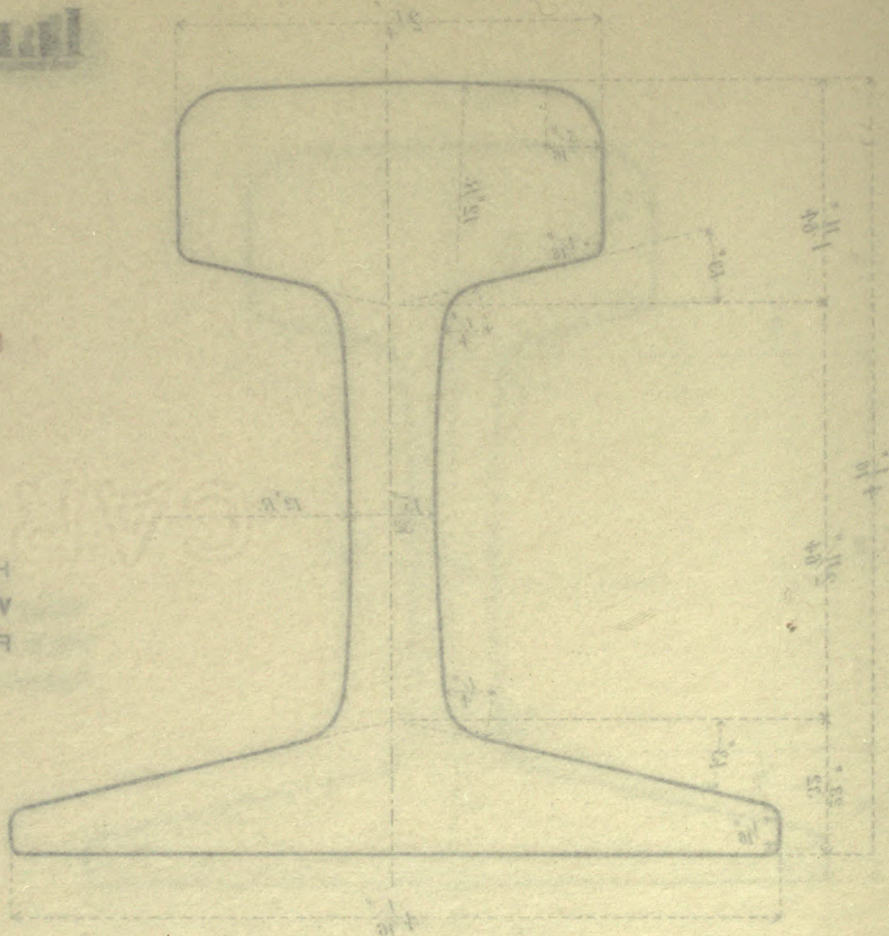
FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

AMERICAN STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 45 0/16
 WEB - - 51 ..
 FLANGE - 37 ..

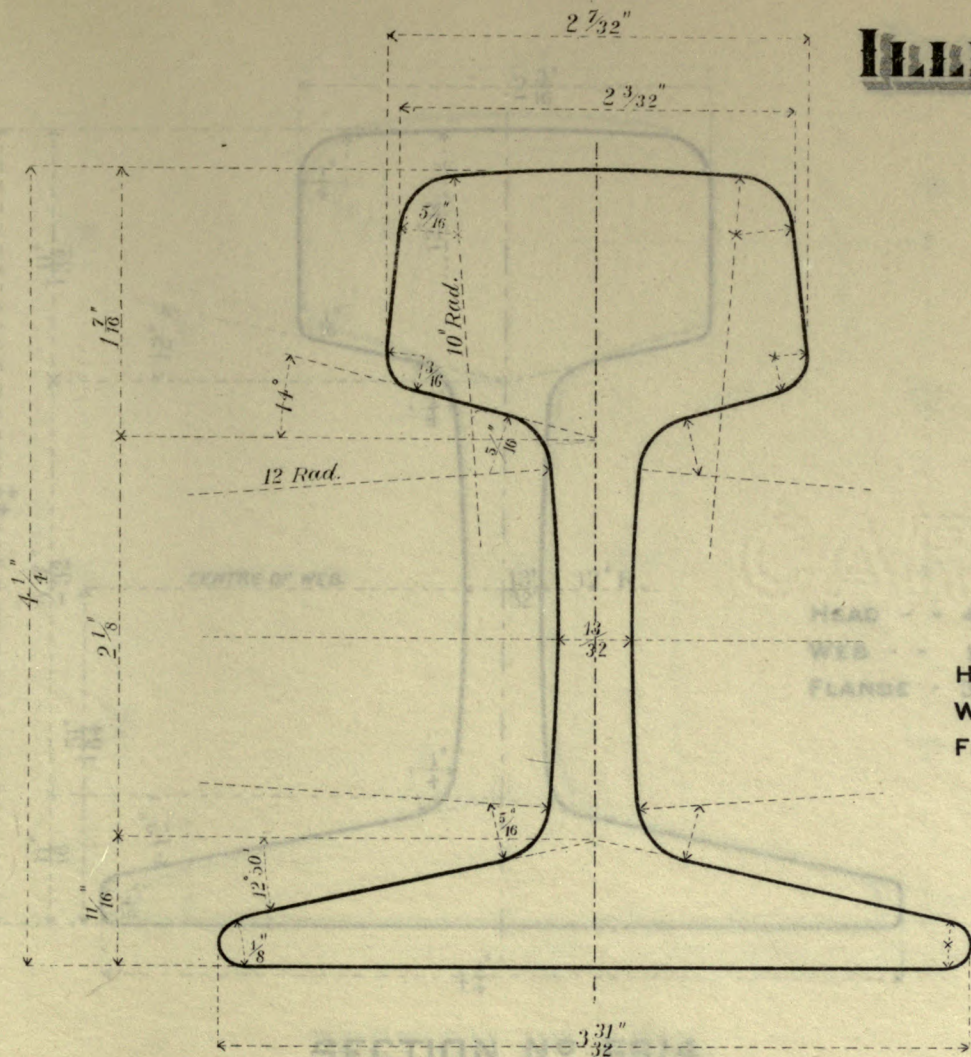


SECTION No 2201.
 Wt 55 Lbs Per Yard.
 Requires 88 5/16 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 47 1/2 %
 WEB - - 18 3 %
 HEAD - - 49 %
 WEB - - 18 %
 FLANGE - 33 %

SECTION No 5610.

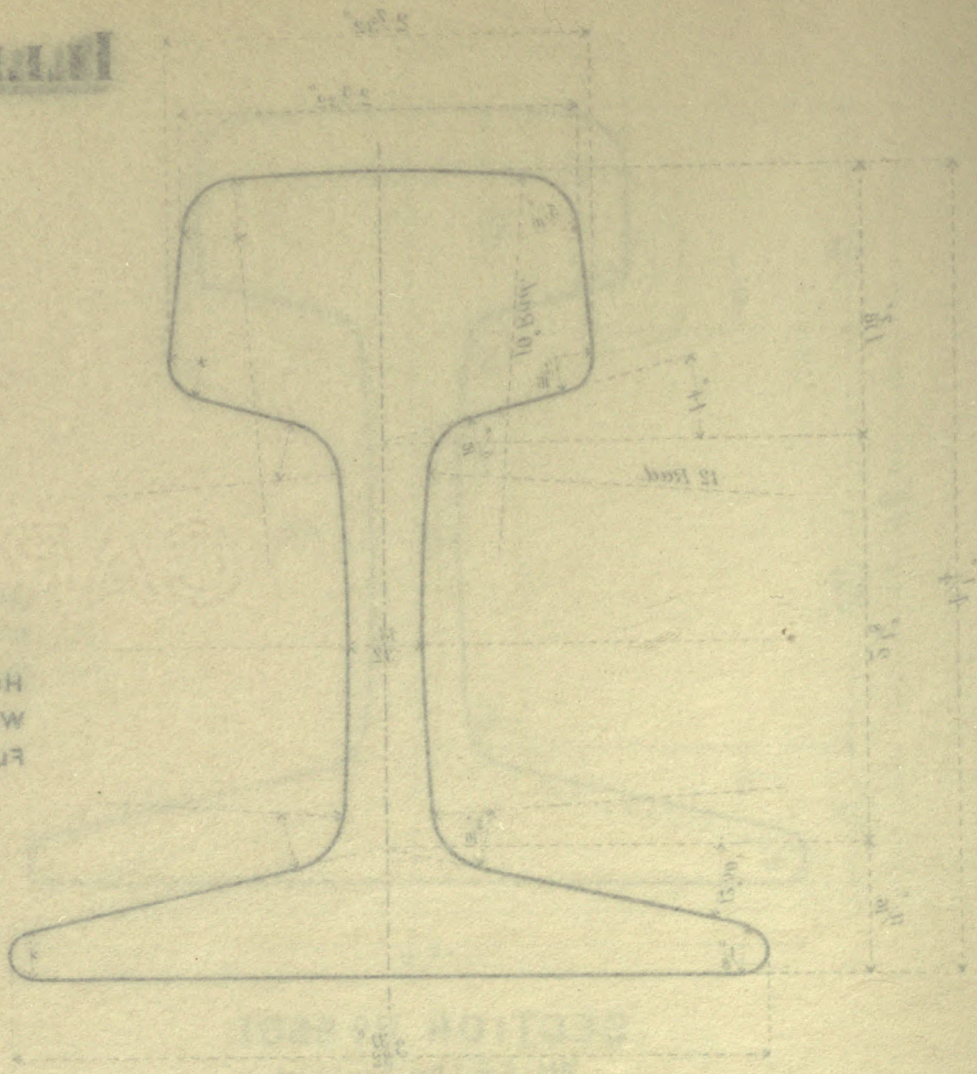
Wt. 56 Lbs. Per Yard.

Requires 88 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

BRIDGES STEEL CO

CHICAGO

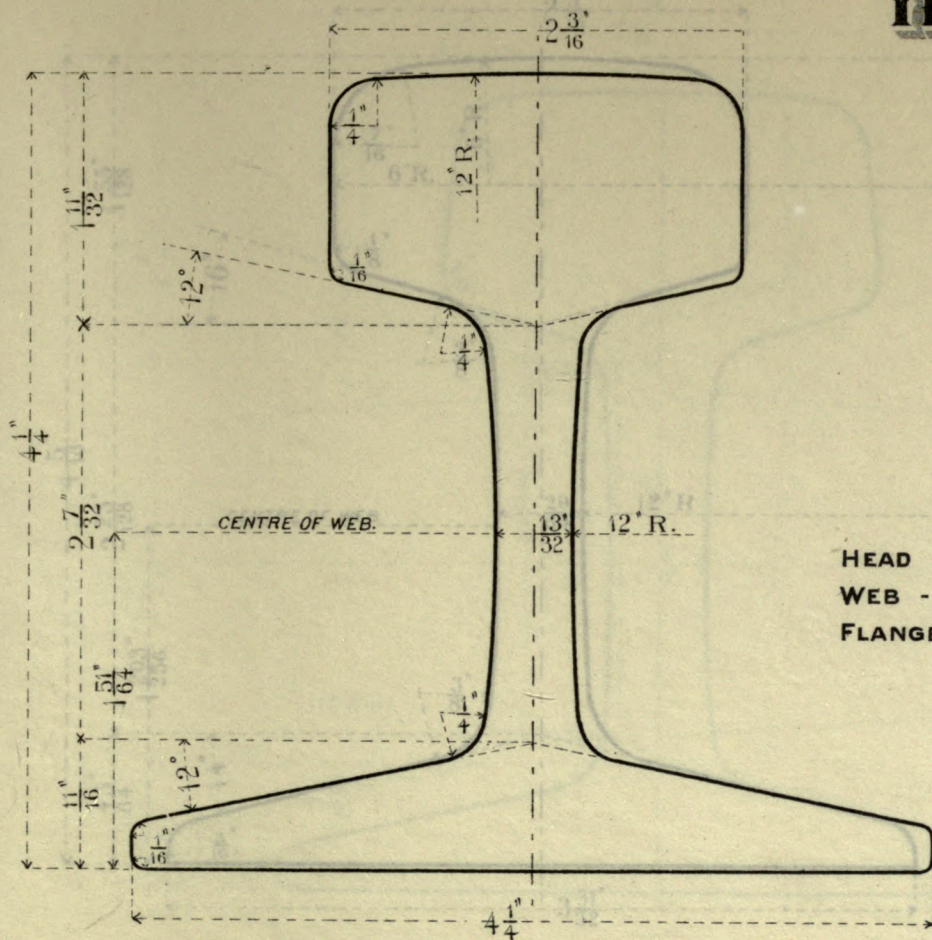


HEAD - - 43 %
 WEB - - 18 ..
 FLANGE - 33 ..

SECTION No 2810.
 Wt 56 Lbs Per Yard.
 Requires 88 tons per Mile of Track.
 FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 47.1 %
 WEB - - 18.3 %
 FLANGE - 34.6 %

SECTION No 5614.

Wt. 56 Lbs. Per Yard.

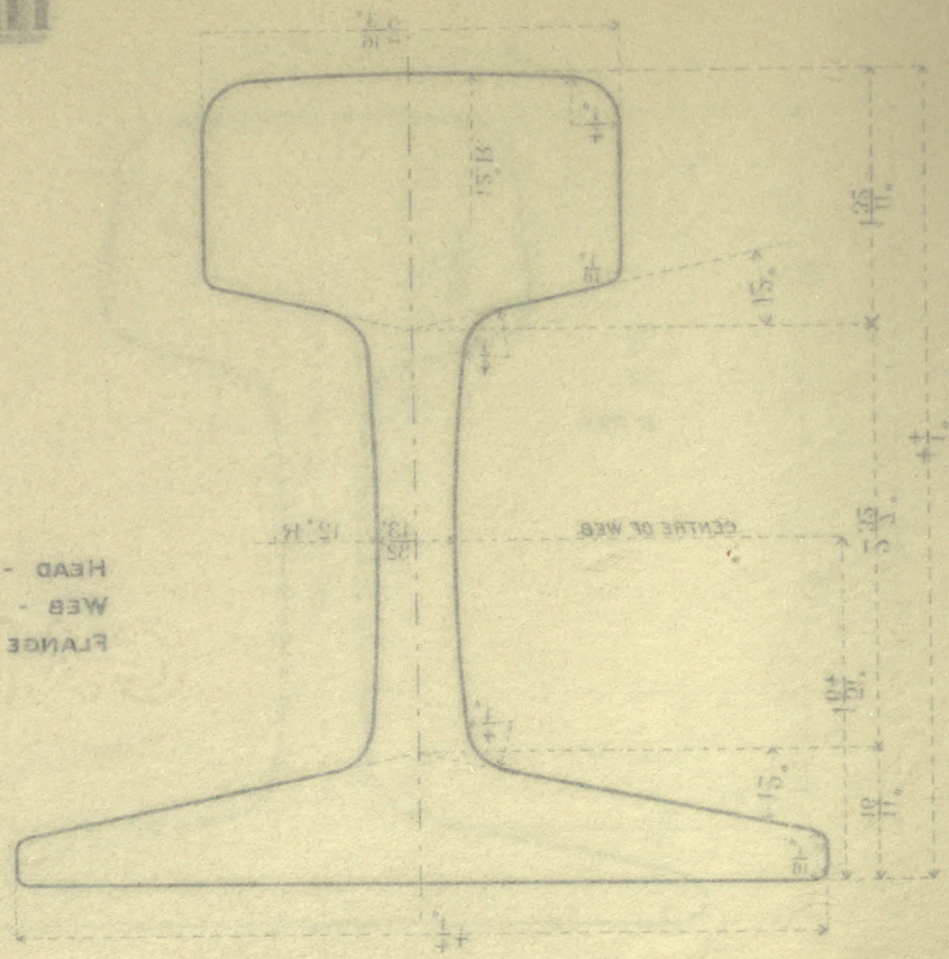
Requires 88 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

WILKINSON'S STEEL CO.

CHICAGO.

HEAD - - 47.1 %
 WEB - - 18.3
 FLANGE - 34.8

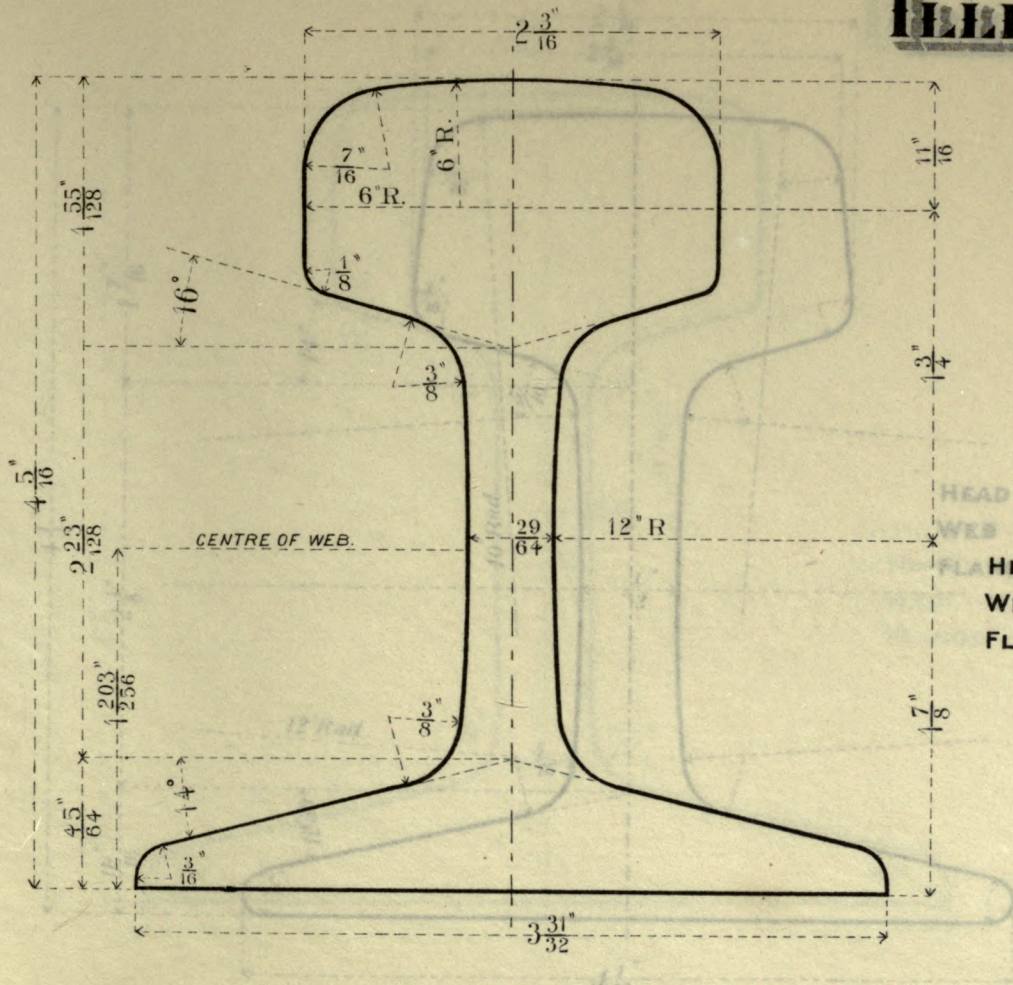


SECTION No 2814.
 Wt 56 Lbs Per Yard.
 Requires 8 1/2 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



| | | |
|--------|-----|------|
| HEAD | - - | 48 % |
| WEB | - - | 21 " |
| FLANGE | - - | 31 " |
| HEAD | - - | 47 % |
| WEB | - - | 22 " |
| FLANGE | - - | 31 " |

SECTION N^o 5615.

Wt. 56 Lbs. Per Yard.

Requires 88 Tons per Mile of Track.

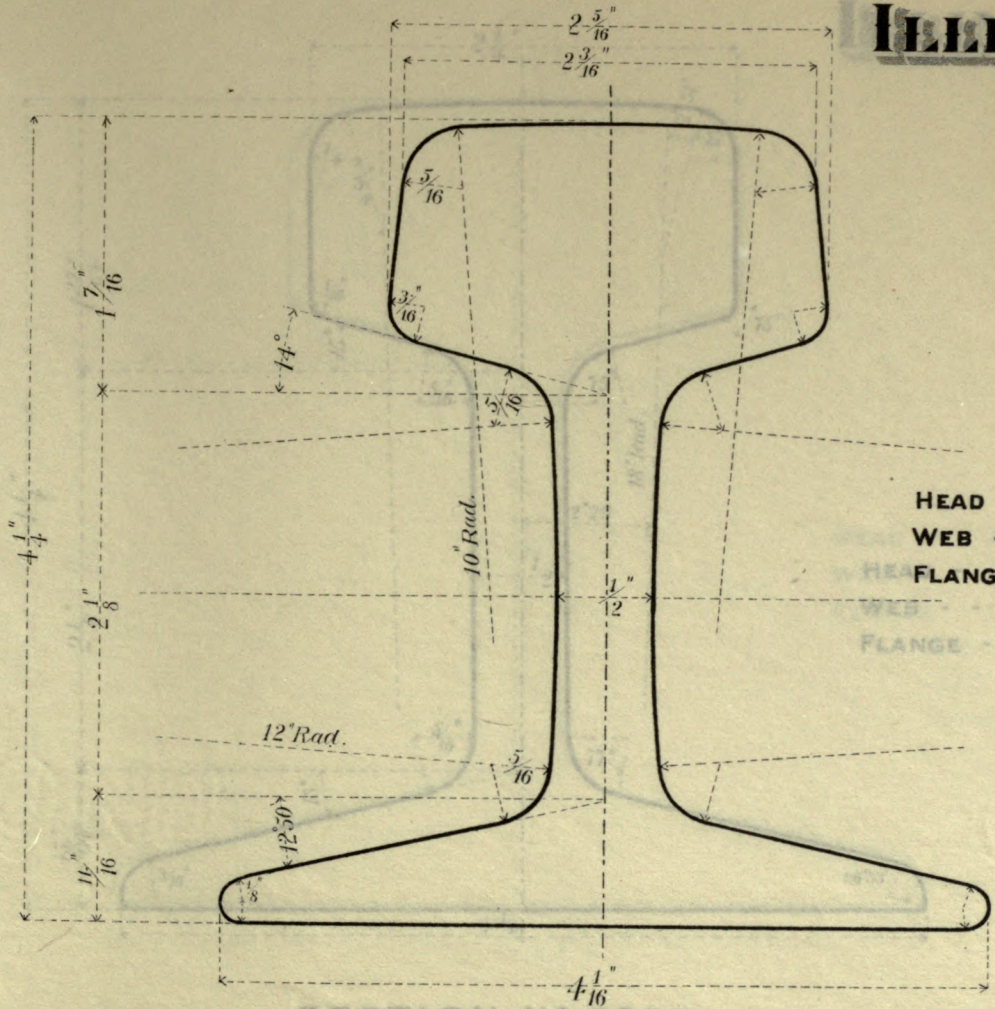
FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

THIS RAIL SEE INDEX.

THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



| | | |
|--------|-----|------|
| HEAD | - - | 48 % |
| WEB | - - | 21 " |
| FLANGE | - - | 31 " |
| HEAD | - - | 48 % |
| WEB | - - | 21 " |
| FLANGE | - - | 31 " |

SECTION NO 6007

SECTION NO 6001.

Wt. 60 Lbs. Per Yard.

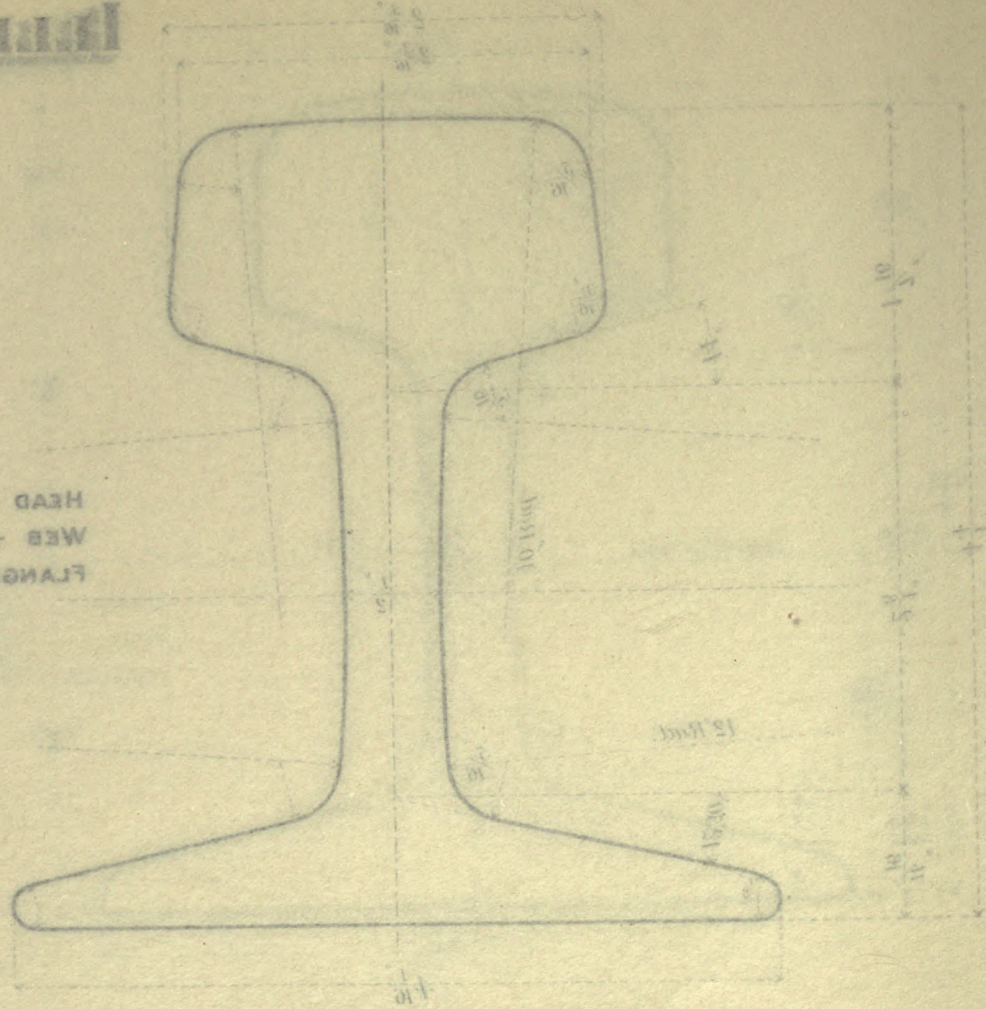
Requires $94\frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

THIS RAIL SEE INDEX.
FOR LIST OF RAILS USING

Requires 24 ⁸¹⁰/₆₅₀₀ tons per Mile of Track.
Wt. 80 Lbs. Per Yard.

SECTION No 8001.

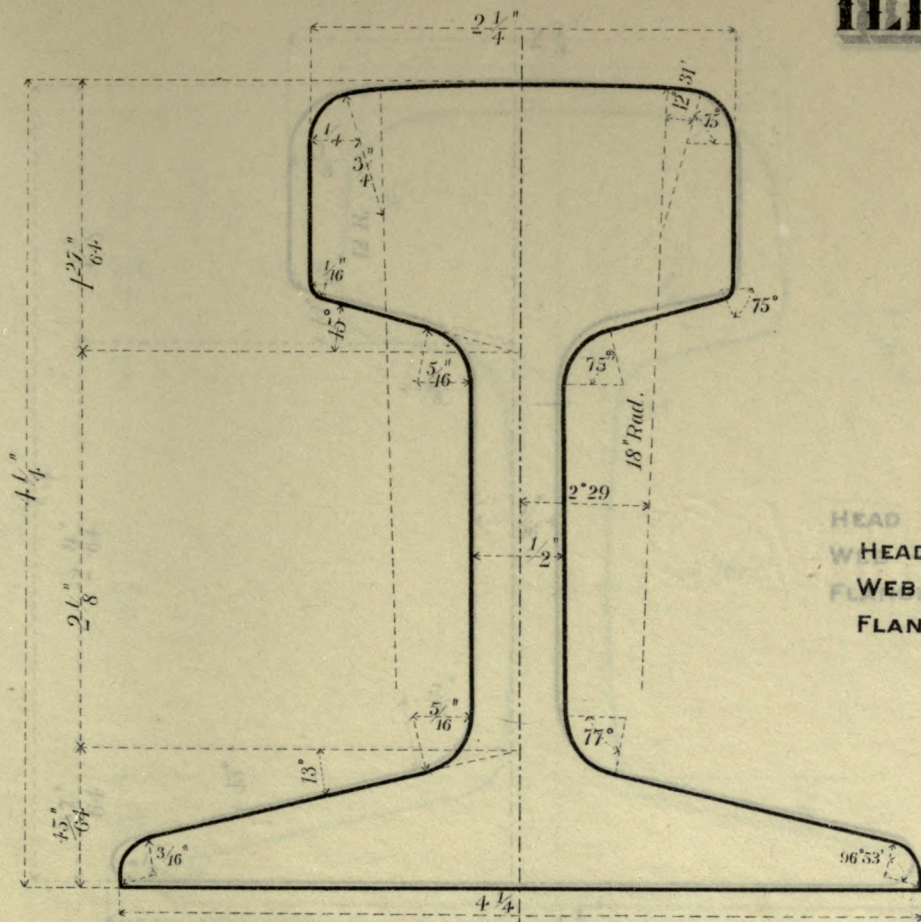


FLANGE - 31 "
WEB - 51 "
HEAD - 48 %

CHICAGO.
MILWAUKEE STEEL CO.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 48 %
 W HEAD - - 48 %
 FL WEB - - 33 %
 FLANGE - 33 %

SECTION N^o 6007.

Wt. 60 Lbs. Per Yard.

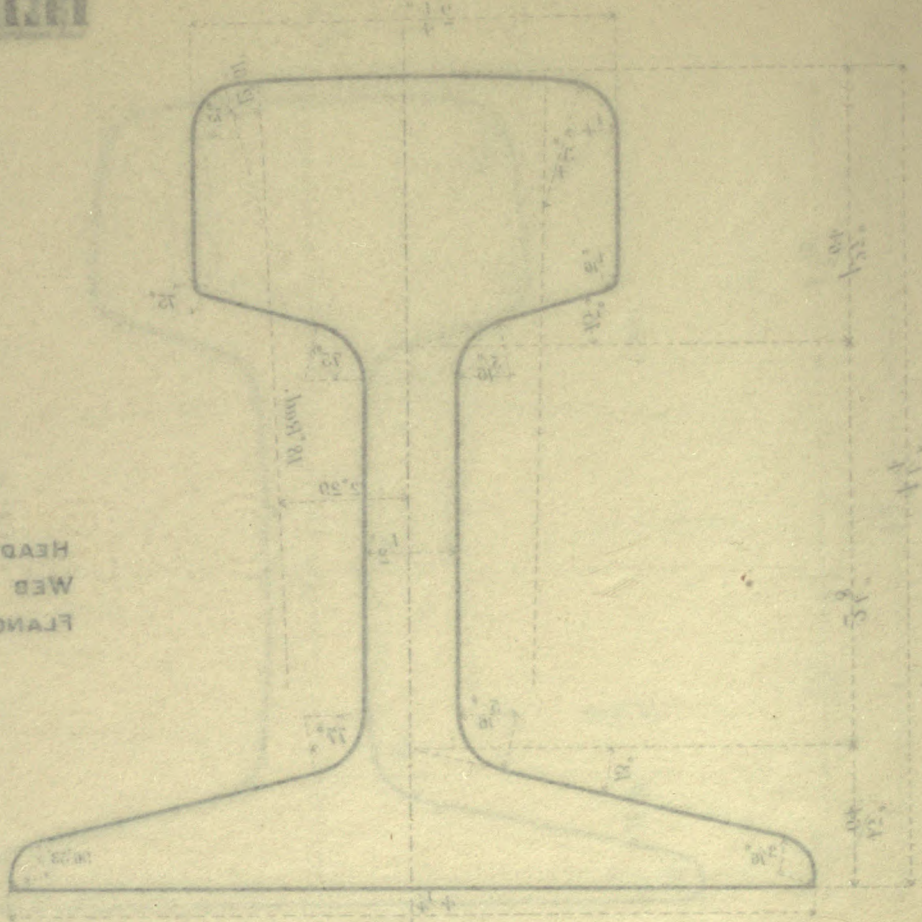
Requires $94 \frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

LESLIE'S STEEL CO.

CHICAGO.

| | | | |
|--------|---|----|----|
| HEAD | - | 48 | % |
| WEB | - | 19 | .. |
| FLANGE | - | 33 | .. |



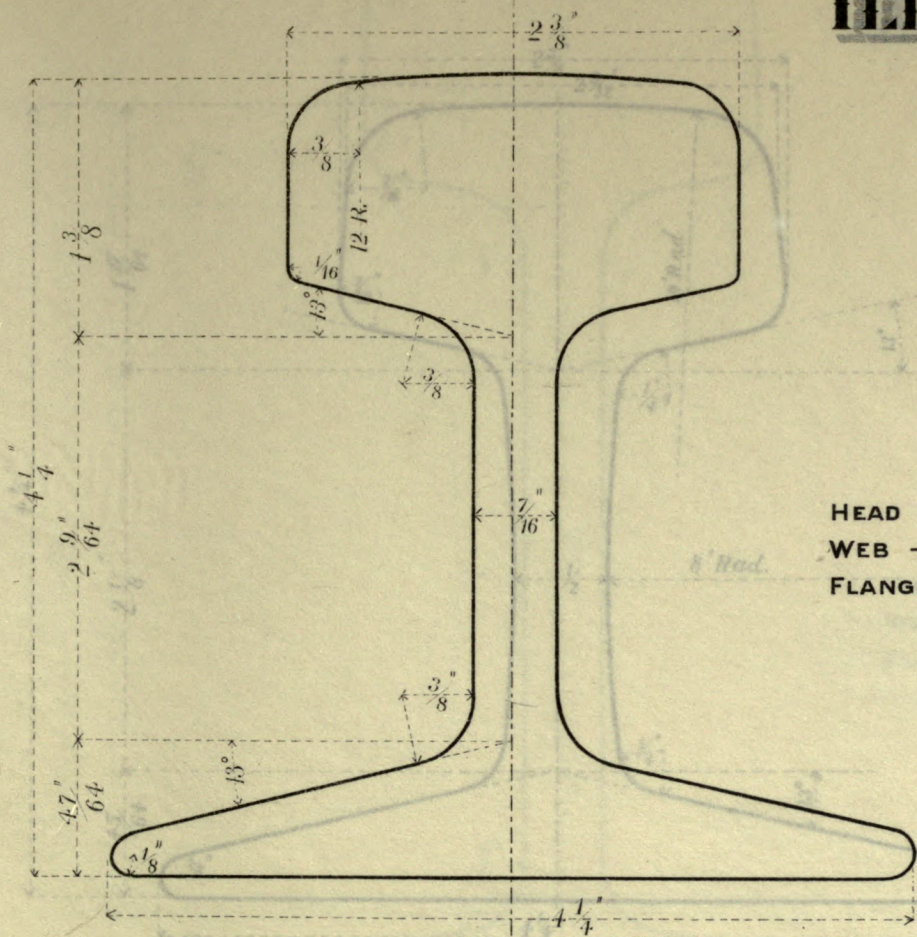
SECTION No 8007

Requires 24 ⁵⁴⁰/₆₂₅₀ Tons per Mile of Track.
 Wt 50 Lbs Per Yard.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 48 %
 WEB - - 17 "
 FLANGE - 35 "

HEAD - - 48 %
 WEB - - 20 "
 FLANGE - 32 "

SECTION NO 6008.

Wt. 60 Lbs. Per Yard.

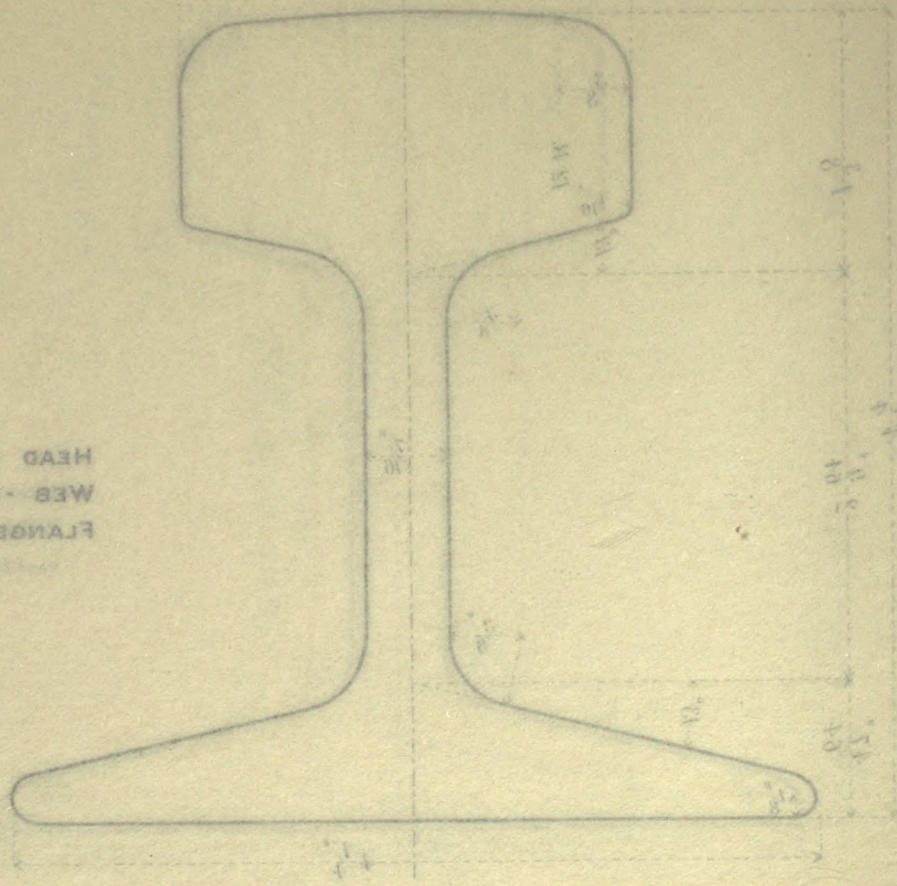
Requires $94\frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

BRIDGES & STEEL CO.

CHICAGO.

HEAD - - 48 %
 WEB - - 17 %
 FLANGE - 35 %

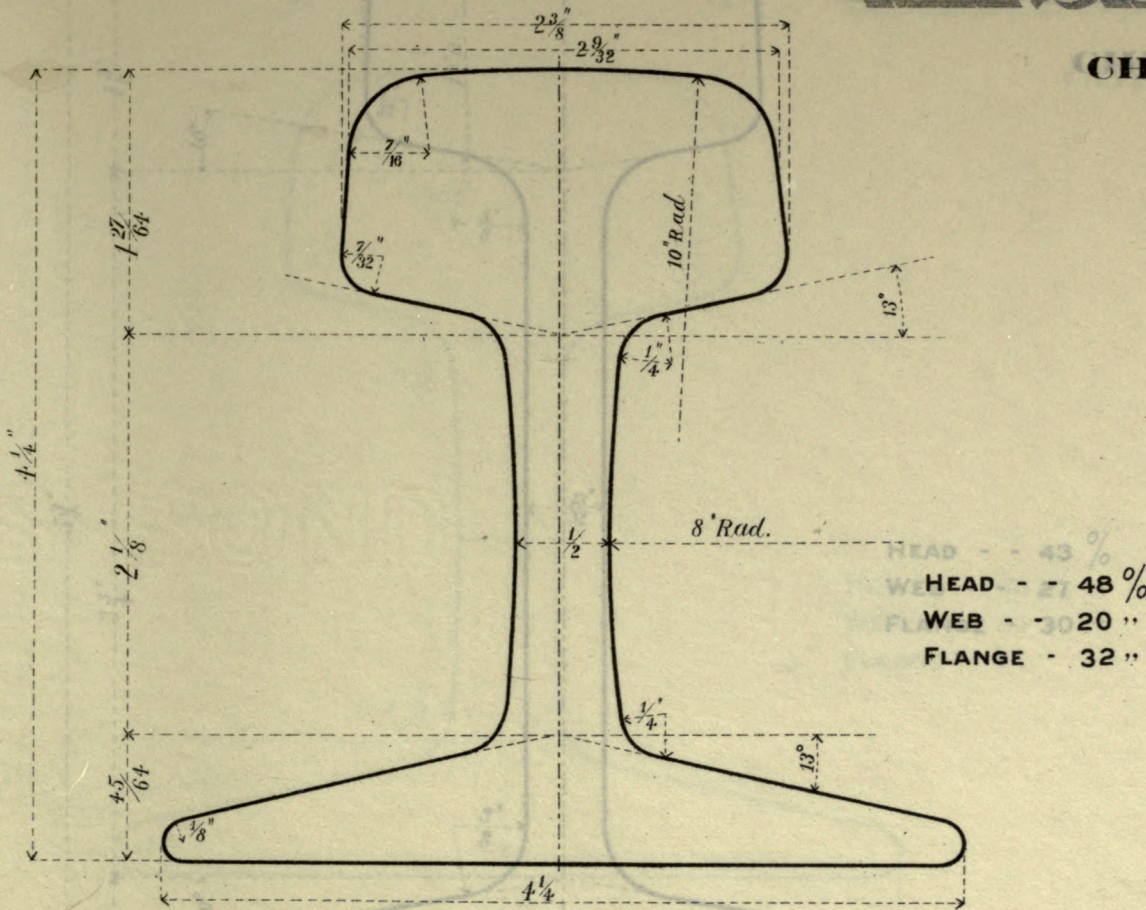


SECTION No 8008.
 Wt. 60 Lbs Per Yard.
 Requires 24 ^{5/16}/₃₂ tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



SECTION N^o 6009.

Wt. 60 Lbs. Per Yard.

Requires $94\frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING

THIS RAIL SEE INDEX.

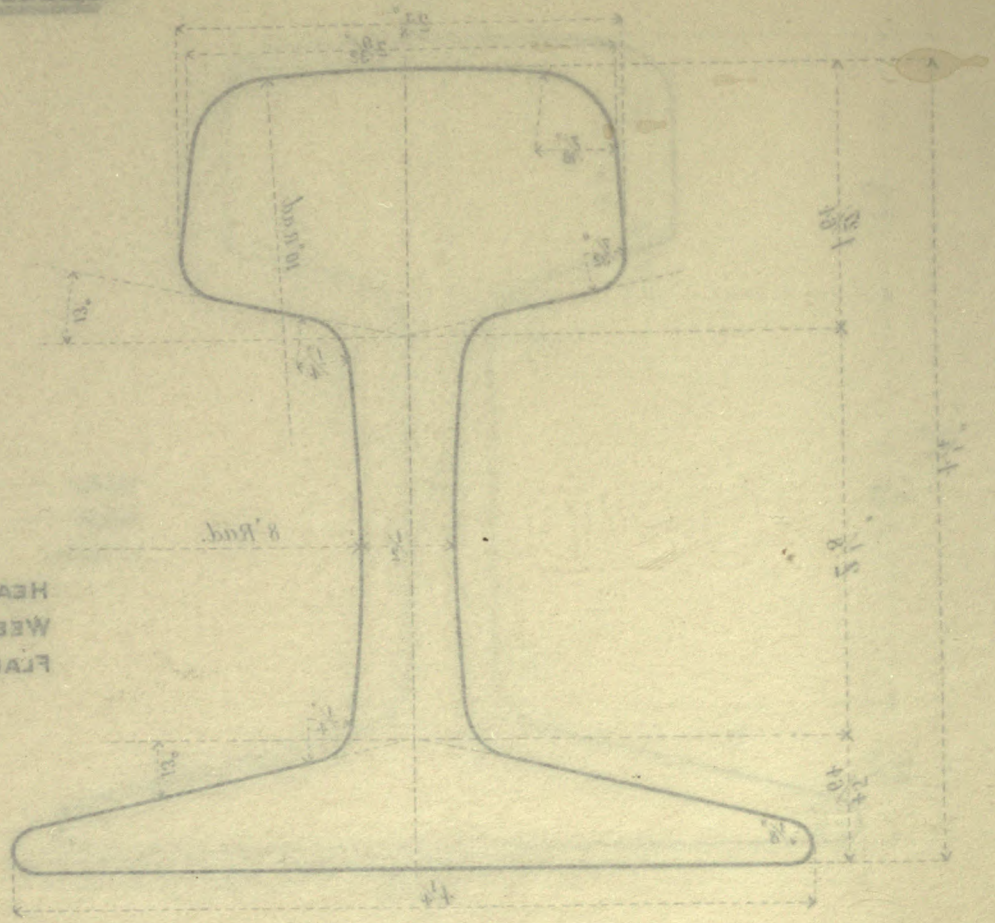
Requires $94\frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING

THIS RAIL SEE INDEX.

BRUNNEN STEEL CO.

CHICAGO.



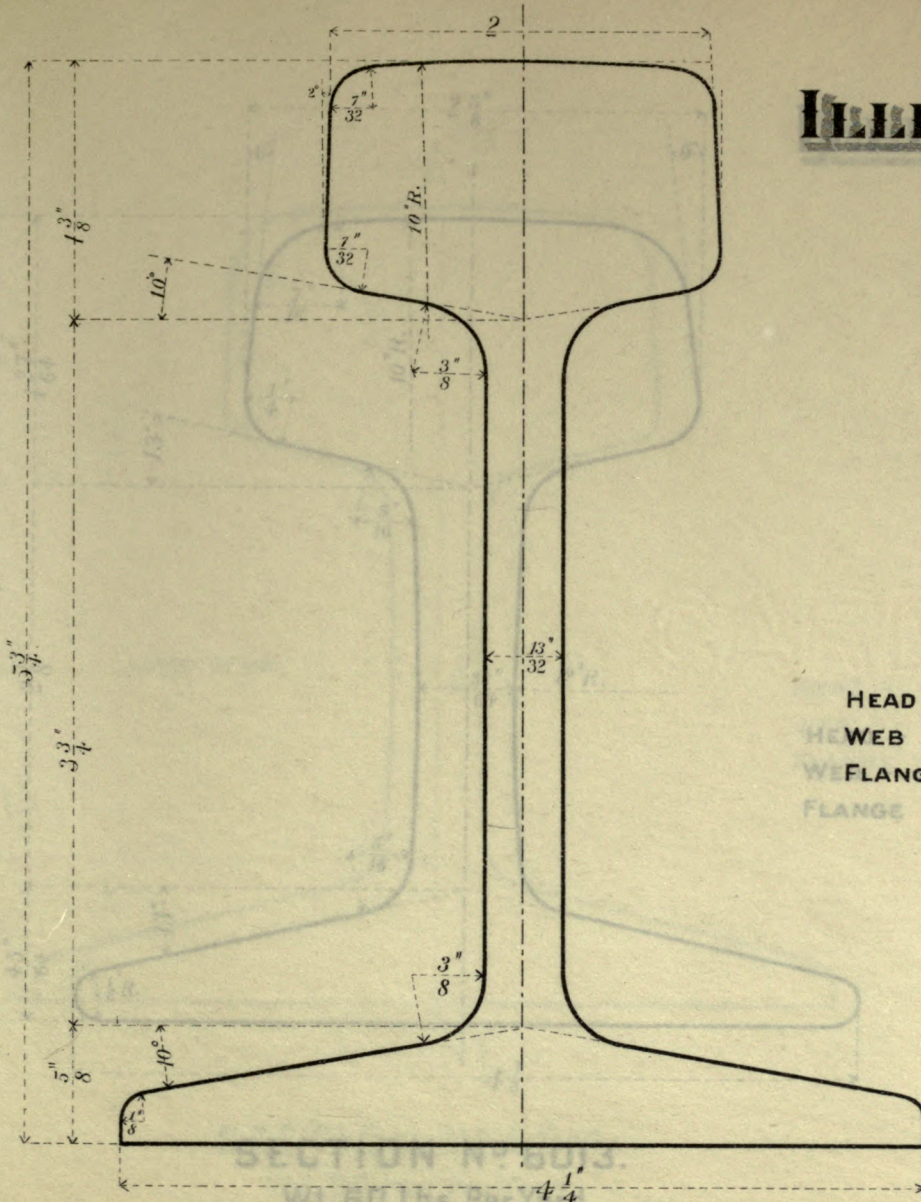
HEAD - - 48 %
 WEB - - 50 ..
 FLANGE - 35 ..

SECTION No 8003.
 Wt. 80 Lbs. Per Yard.
 Requires 24 ⁸⁴⁰/₃₂₄₀ Tons per Mile of Track.

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 43 %
 HE WEB - - 27 "
 WE FLANGE - 30 "
 FLANGE - 31 "

SECTION N° 6012.

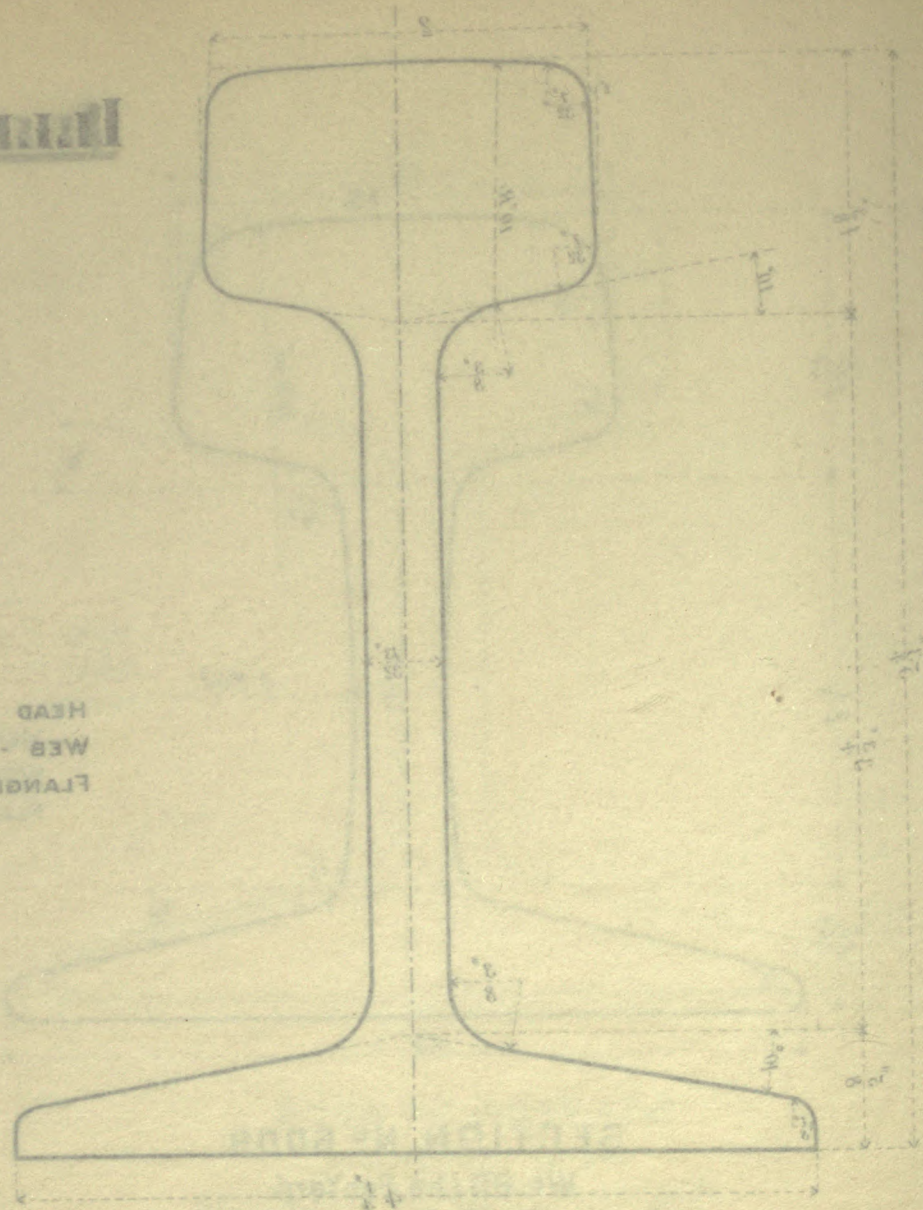
Wt. 60 Lbs. Per Yard.

Requires $94 \frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

AMERICAN STEEL CO.

CHICAGO.

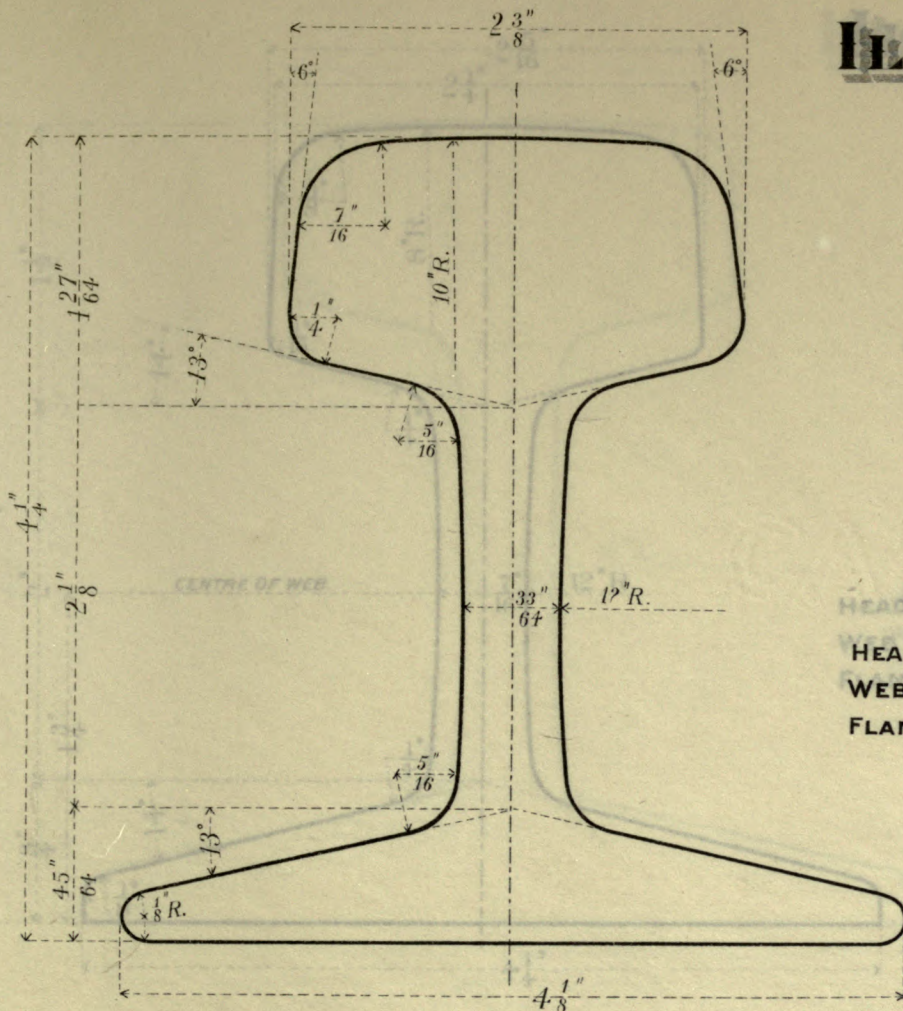


HEAD - - 43
 WEB - - 57
 FLANGE - 30

SECTION No 8015.
 Wt. 80 Lbs. Per Yard.
 Requires 24⁶⁴⁰/₃₂₀₀ Tons per Mile of Track.
 FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 49.6 %
 HEAD - - 48 %
 WEB - - 21 "
 FLANGE - 31 "

SECTION NO. 6013.

Wt. 60 Lbs. Per Yard.

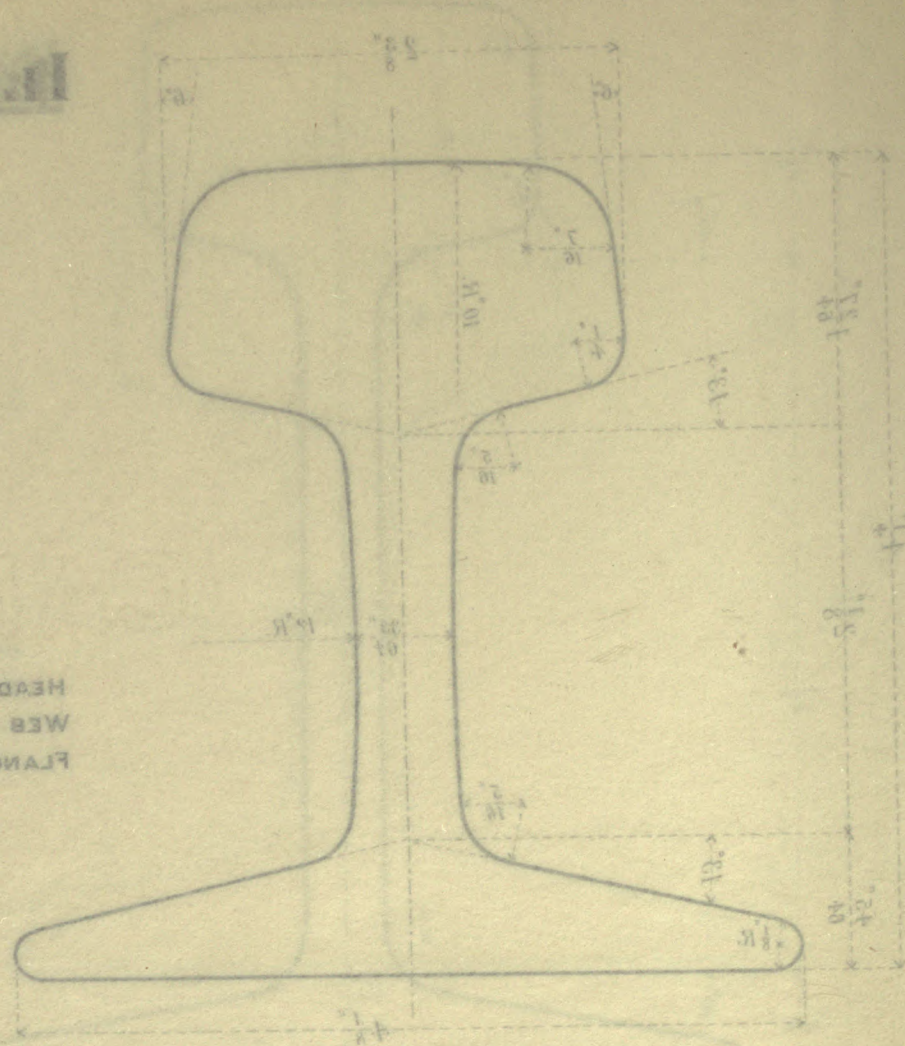
Requires $94\frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

WILSON STEEL CO.

CHICAGO.

FLANGE - 31"
 WEB - 51"
 HEAD - 48"



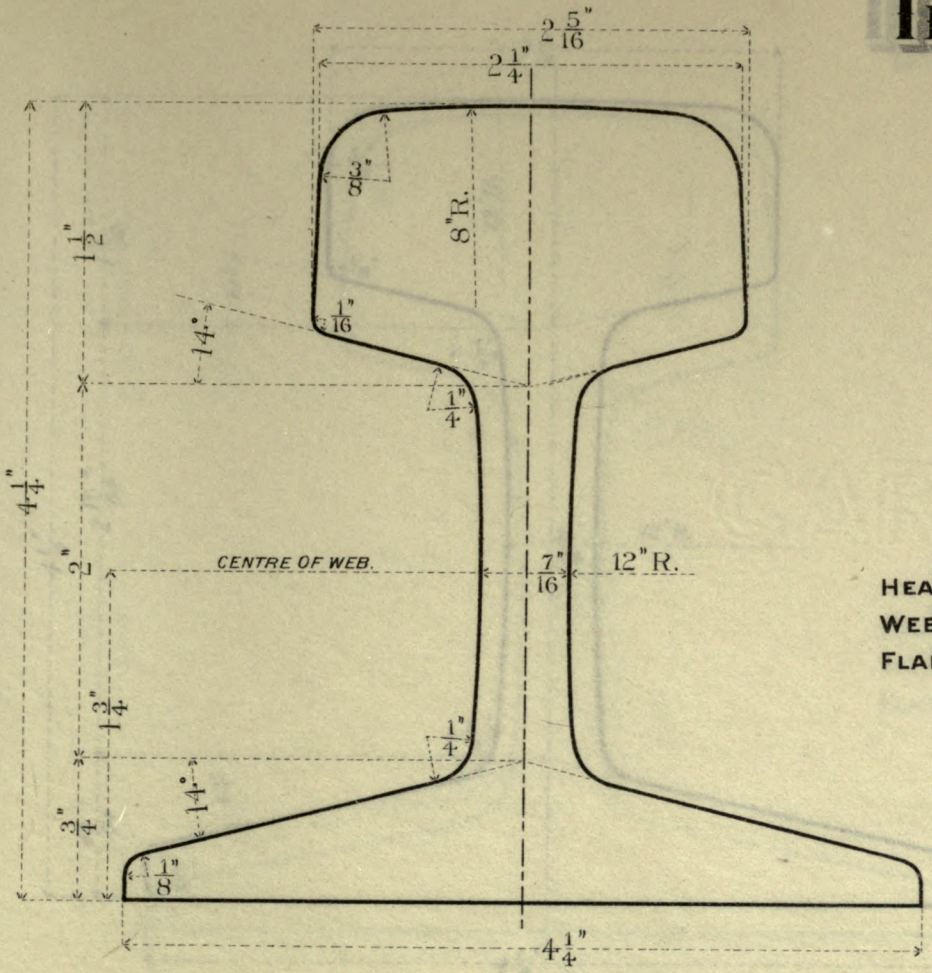
SECTION No 8013.
 Wt. 80 Lbs. Per Yard.
 Requires 24 ⁸⁴⁰/₃₃₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



| | | | |
|--------|----|------|---|
| HEAD | -- | 49.6 | % |
| WEB | -- | 16.5 | " |
| FLANGE | -- | 33.9 | " |

SECTION N^o 6014.

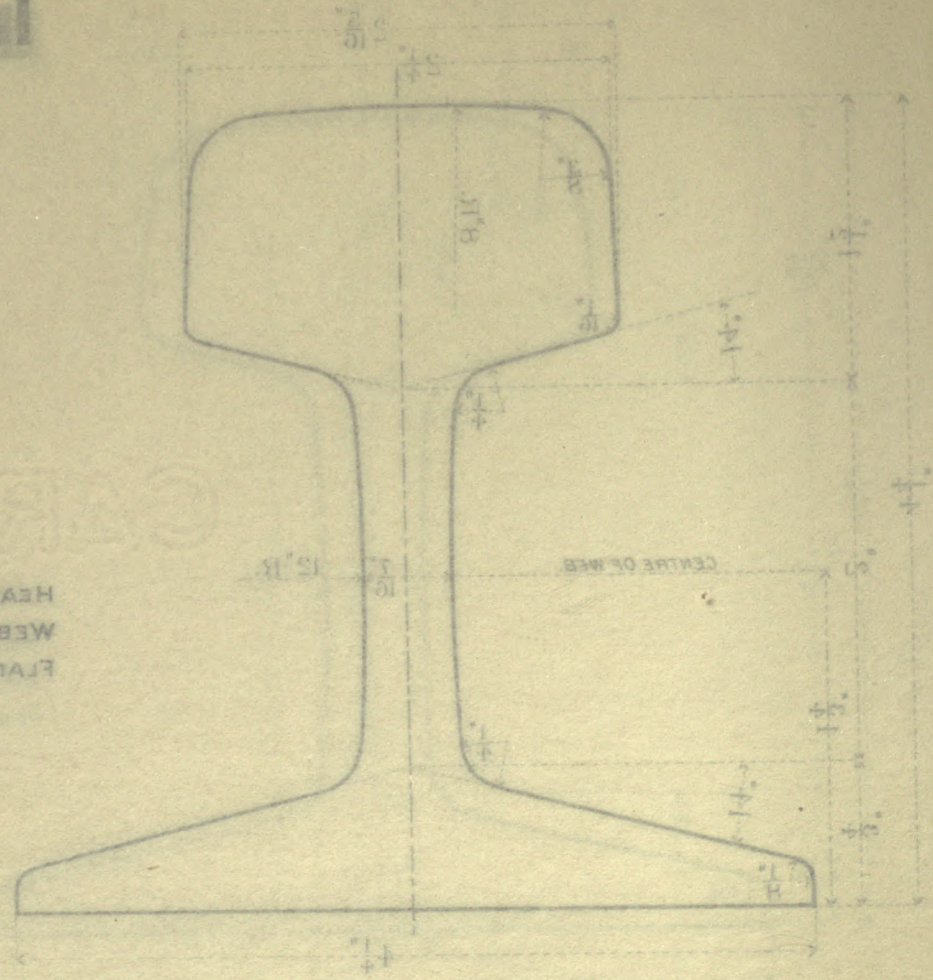
Wt. 60 Lbs. Per Yard.

Requires $94\frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



FLANGE - 33.9
 WEB - 16.2
 HEAD - 48.6 %

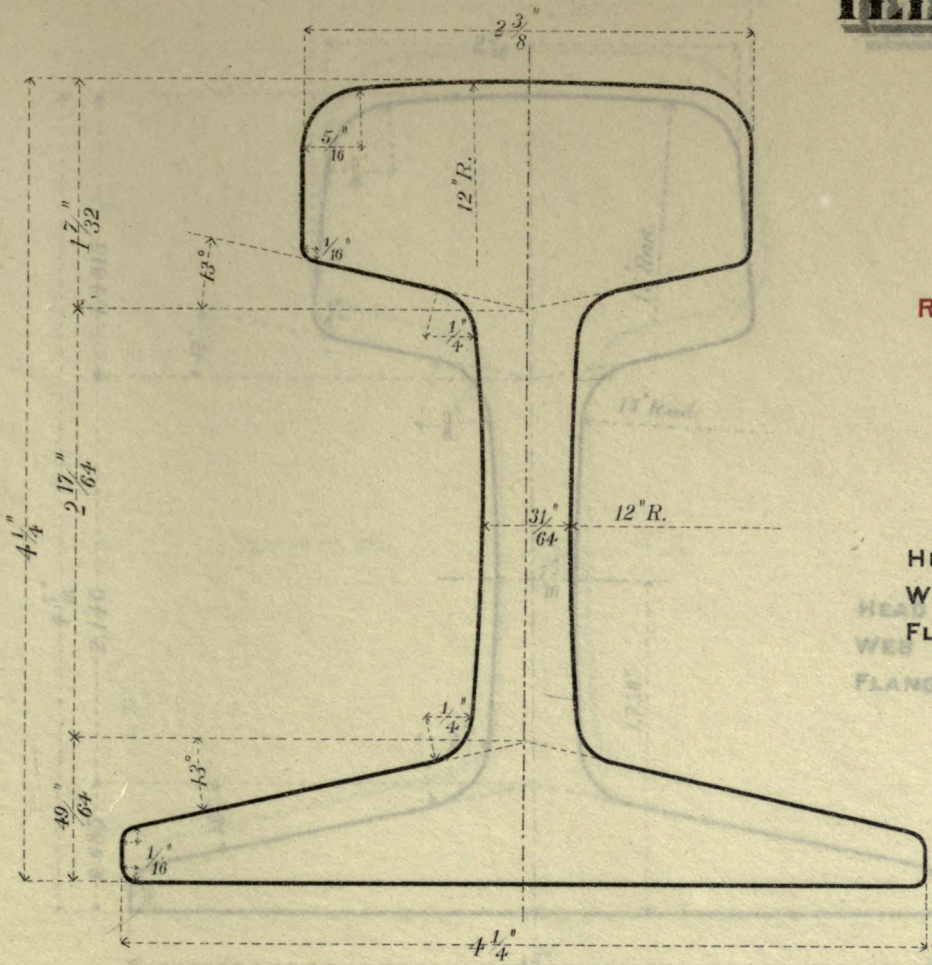
SECTION No 8014
 Wt. 80 Lbs Per Yard
 Requires 94 1/2 Tons per Mile of Track

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



| | | |
|--------|-----|------|
| HEAD | - - | 42 % |
| WEB | - - | 21 " |
| FLANGE | - - | 37 " |

SECTION N° 6015.
 Wt. 60 Lbs. Per Yard.
 Requires $94\frac{640}{2240}$ Tons per Mile of Track.

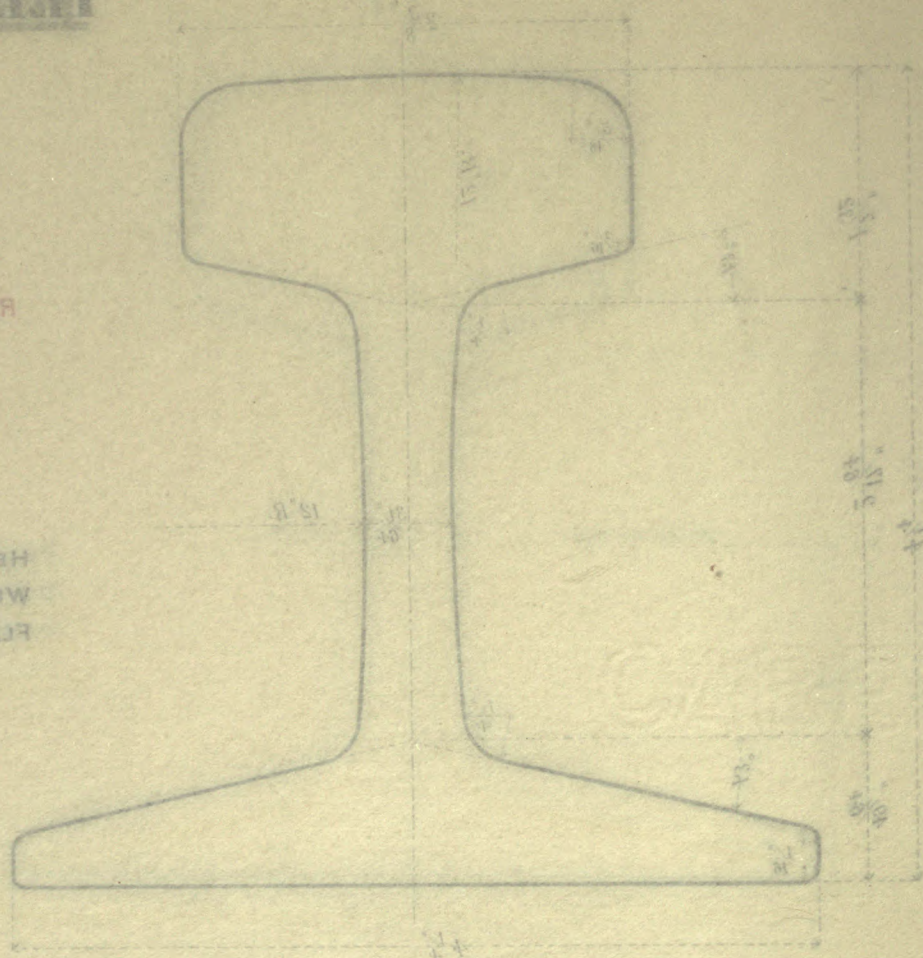
FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

LANSON'S STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - 45%
WEB - 51%
FLANGE - 37%

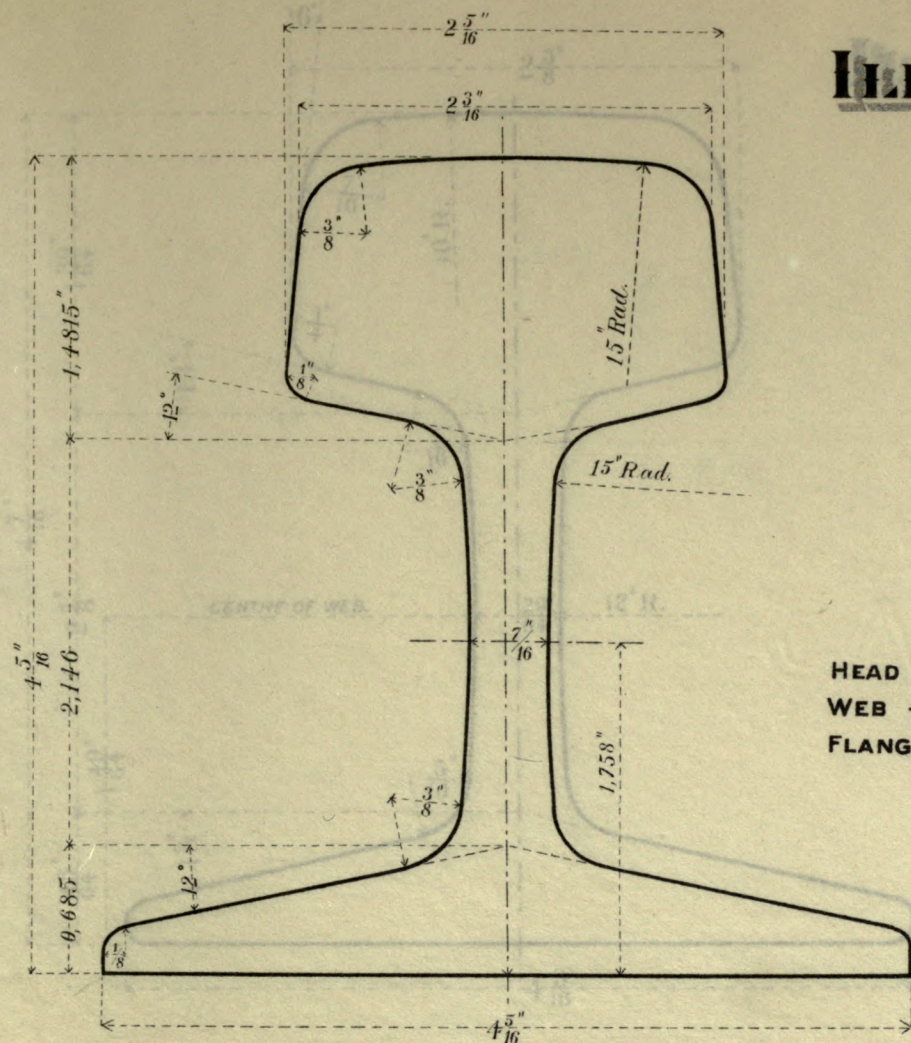


SECTION No 8012.
Wt 50 lbs Per Yard.
Requires 24 tons per Mile of Track.

FOR LIST OF RAILS USING THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



| | | | |
|--------|----|------|---|
| HEAD | - | 51.6 | % |
| HEAD | 50 | 17.4 | % |
| WEB | 18 | 31.0 | % |
| FLANGE | - | 32 | " |

SECTION NO. 6101.

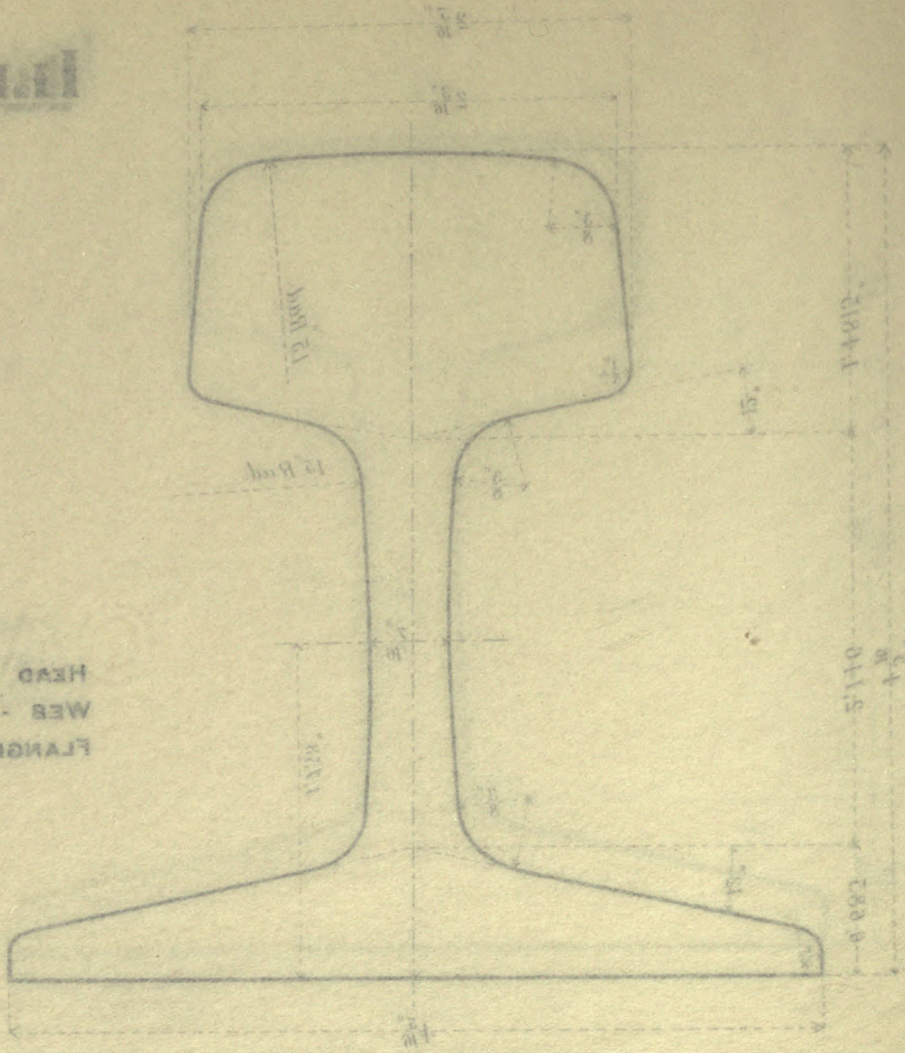
Wt. 61 Lbs. Per Yard.

Requires $95\frac{920}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

BRINNO'S STEEL CO.

CHICAGO.



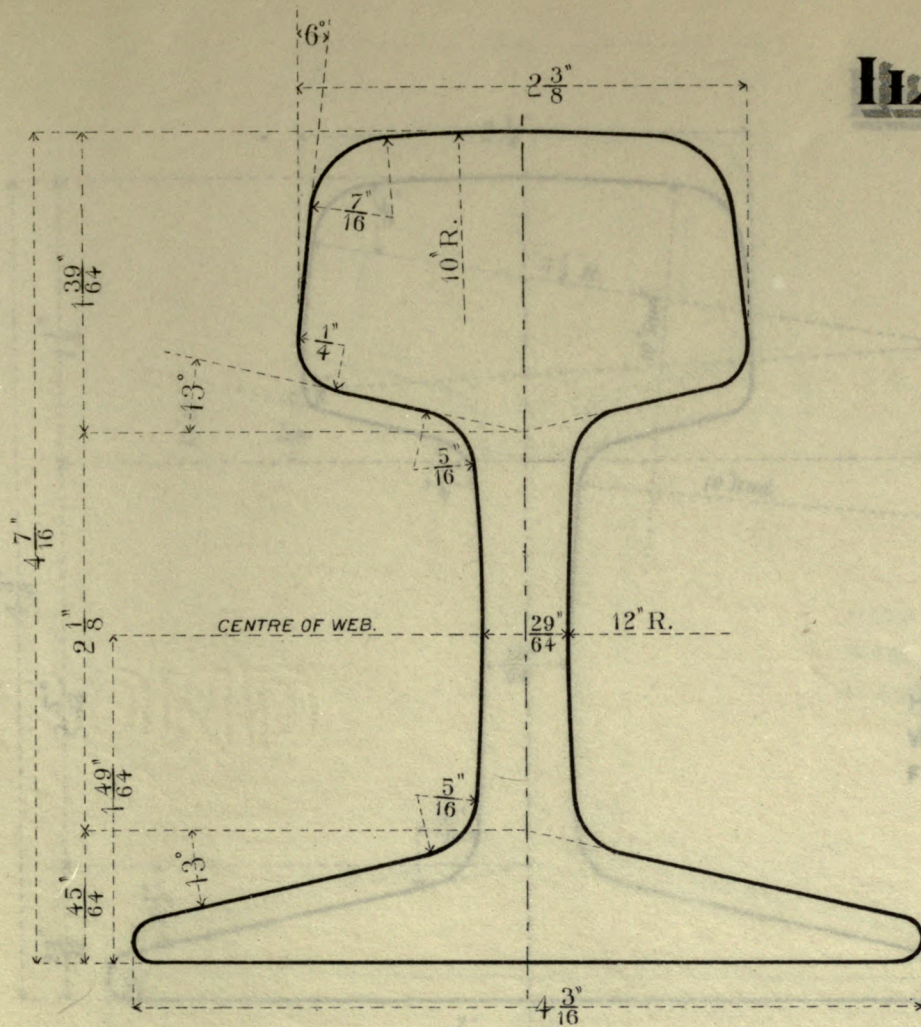
| | | | |
|--------|---|----|---|
| HEAD | - | 50 | % |
| WEB | - | 18 | |
| FLANGE | - | 35 | |

SECTION No 8101.
 Wt. 81 Lbs. Per Yard.
 Requires 92 ⁵⁰/₁₀₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 51.6 %
 WEB - - 17.4 "
 FLANGE - 31.0 "

FLANGE - 33.4

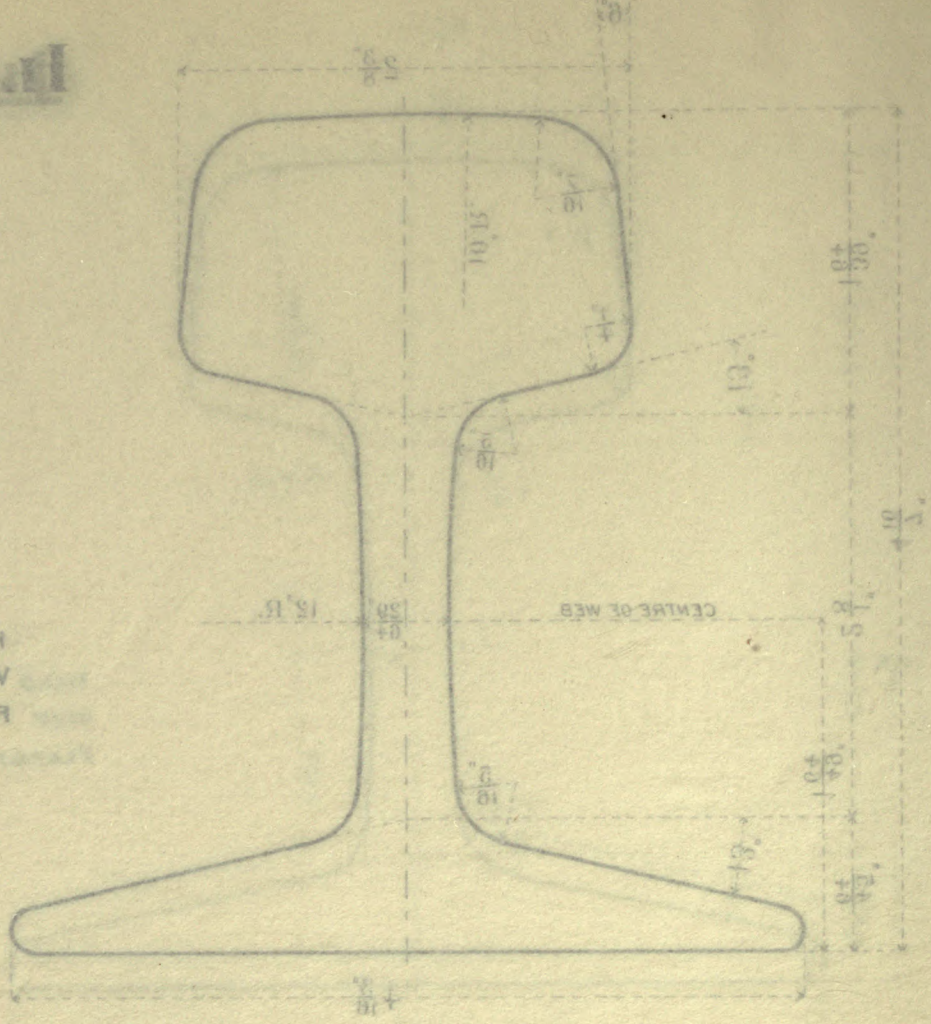
SECTION No 6301.
Wt. 63 Lbs. Per Yard.
Requires 99 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

BRUNNEN'S SHEET CO.

CHICAGO.

HEAD - - 21.8 %
 WEB - - 17.4 "
 FLANGE - 31.0 "

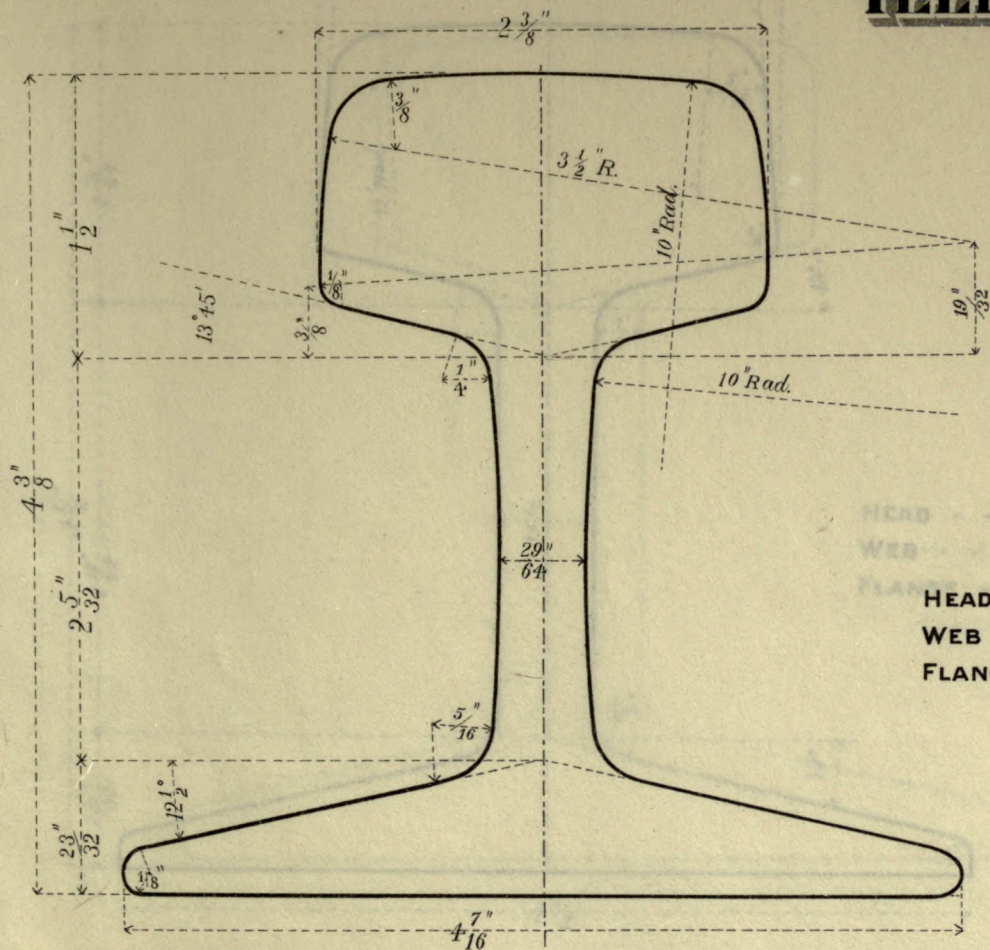


SECTION No. 8301.
 Wt. 83 lbs. Per Yard.
 Requires 93 tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 49 %
 WEB - - 18 %
 FLANGE - 33 %

HEAD - - 49 %
 WEB - - 18 %
 FLANGE - 33 %

SECTION N^o 6501.

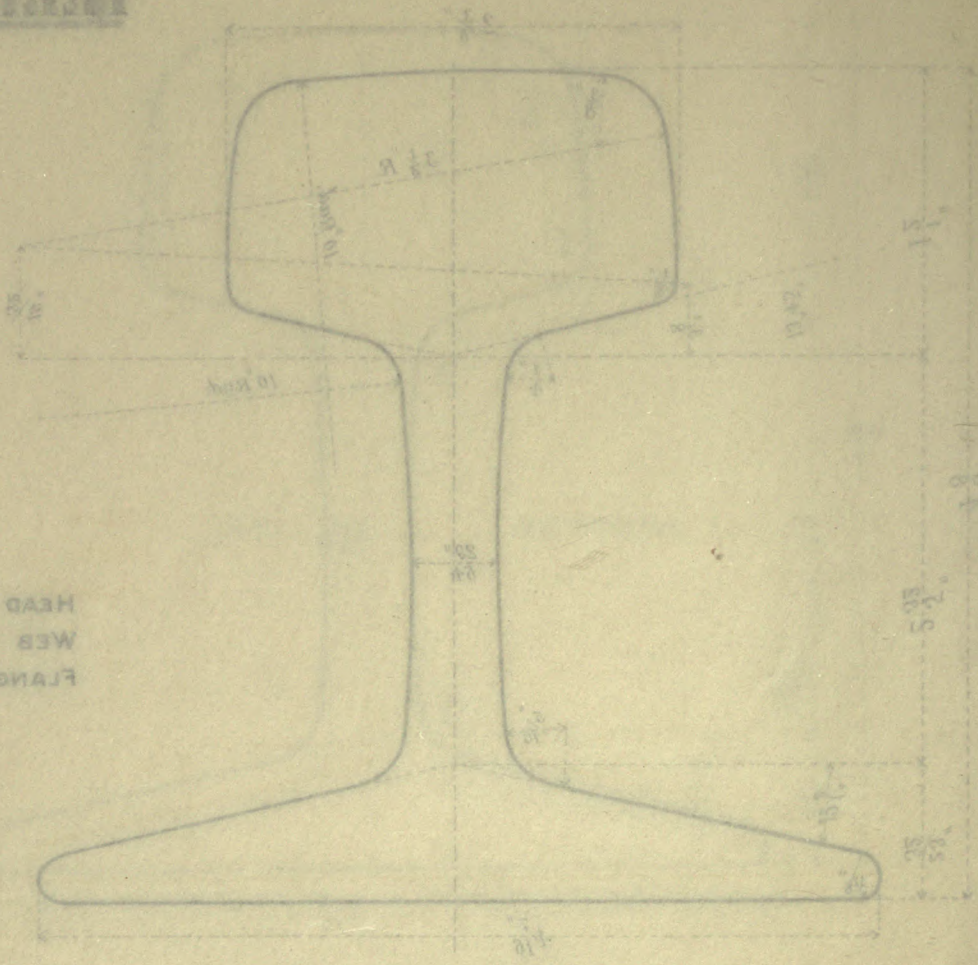
Wt. 65 Lbs. Per Yard.

Requires 102 $\frac{320}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

AMERICAN STEEL CO.

CHICAGO, ILL.

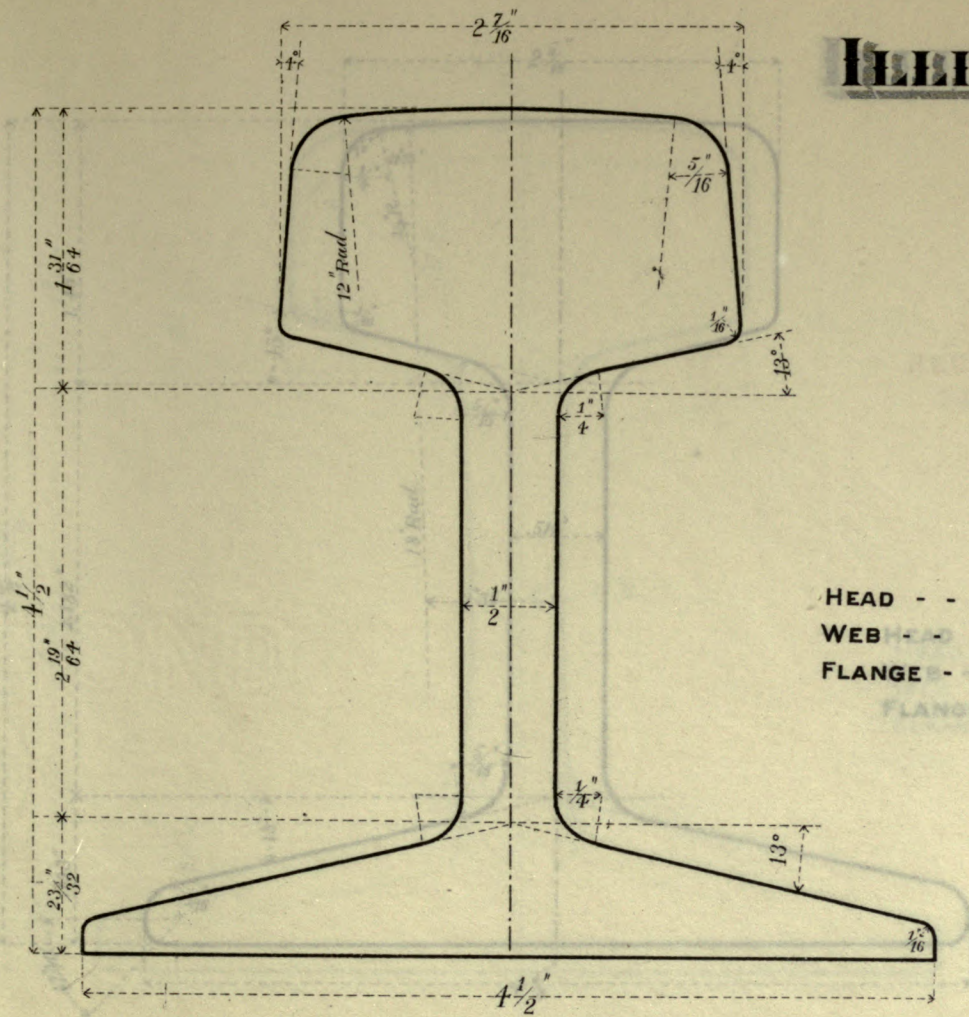


HEAD - - 43 1/2"
 WEB - - 18"
 FLANGE - 33"

SECTION No 2201
 Wt 82 lbs Per Yard
 Requires 105 3/4 Tons per Mile of Track
 FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.



| | | | |
|--------|-----|----|----|
| HEAD | - - | 49 | % |
| WEB | - - | 19 | %" |
| FLANGE | - - | 32 | %" |
| FLANGE | - - | 37 | %" |

SECTION NO 6506.
SECTION NO 6504.

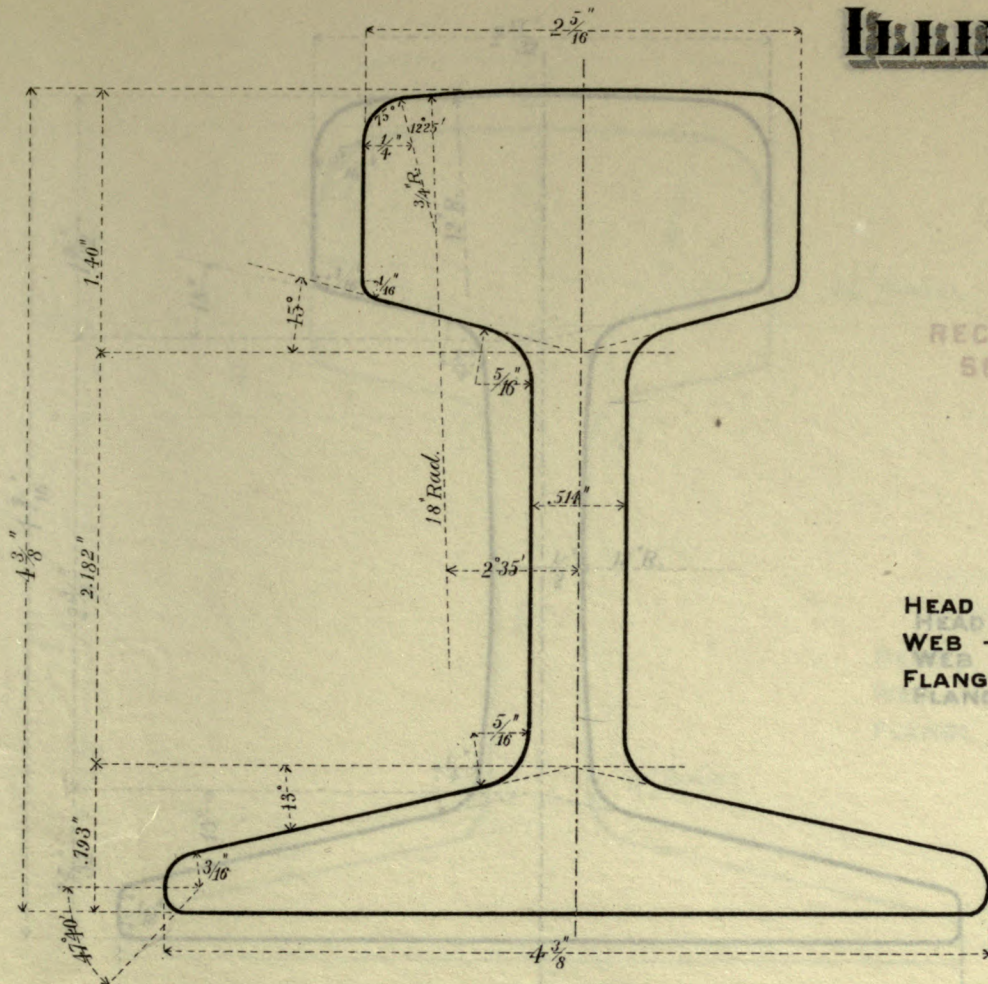
Wt. 65 Lbs. Per Yard.
 Requires 102 ³²⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN
SOCIETY OF CIVIL ENGINEERS.



HEAD - - 44 %
WEB - - 19 %
FLANGE - 37 %

SECTION NO 6506.

Wt. 65 Lbs. Per Yard.

Requires 102 $\frac{320}{2240}$ Tons per Mile of Track.

Requires 102 $\frac{320}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING

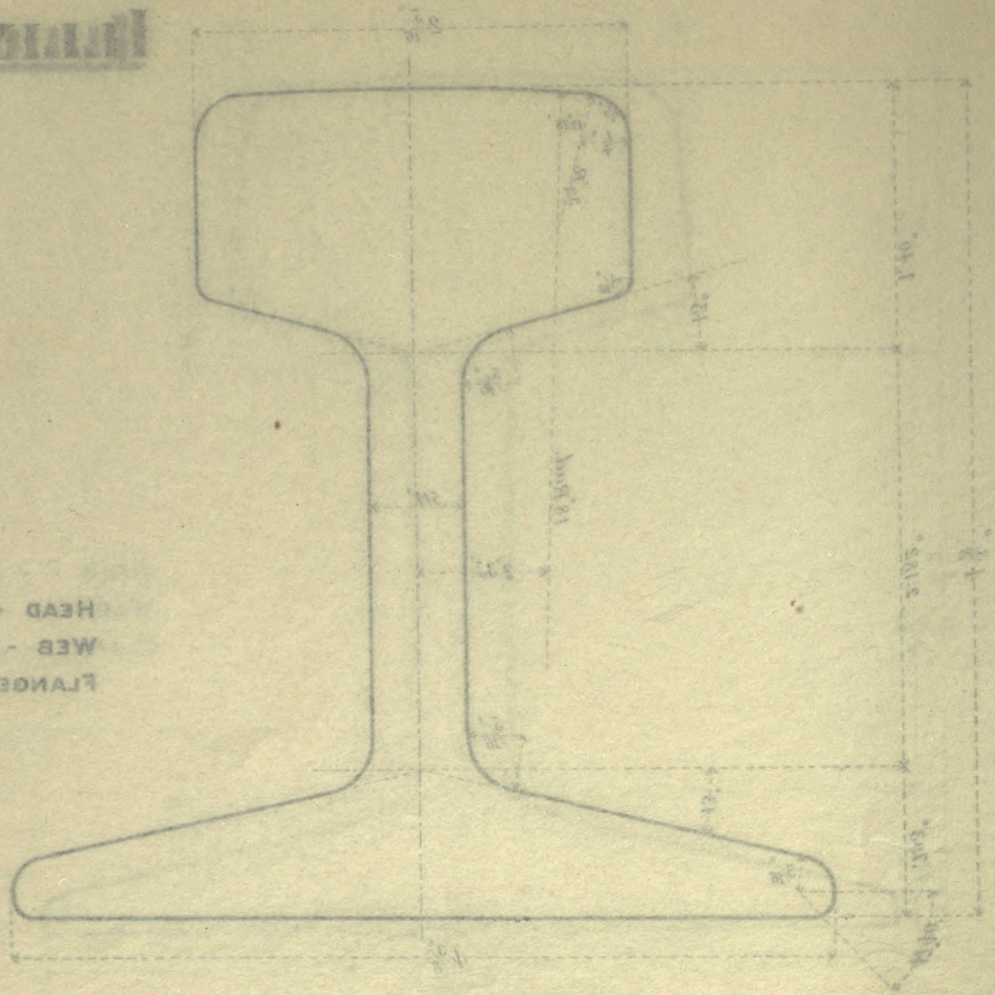
THIS RAIL SEE INDEX.

THIS RAIL SEE INDEX.

WILKINSON STEEL CO.

CHICAGO.

FLANGE - 37.
 WEB - 19.
 HEAD - 44 %



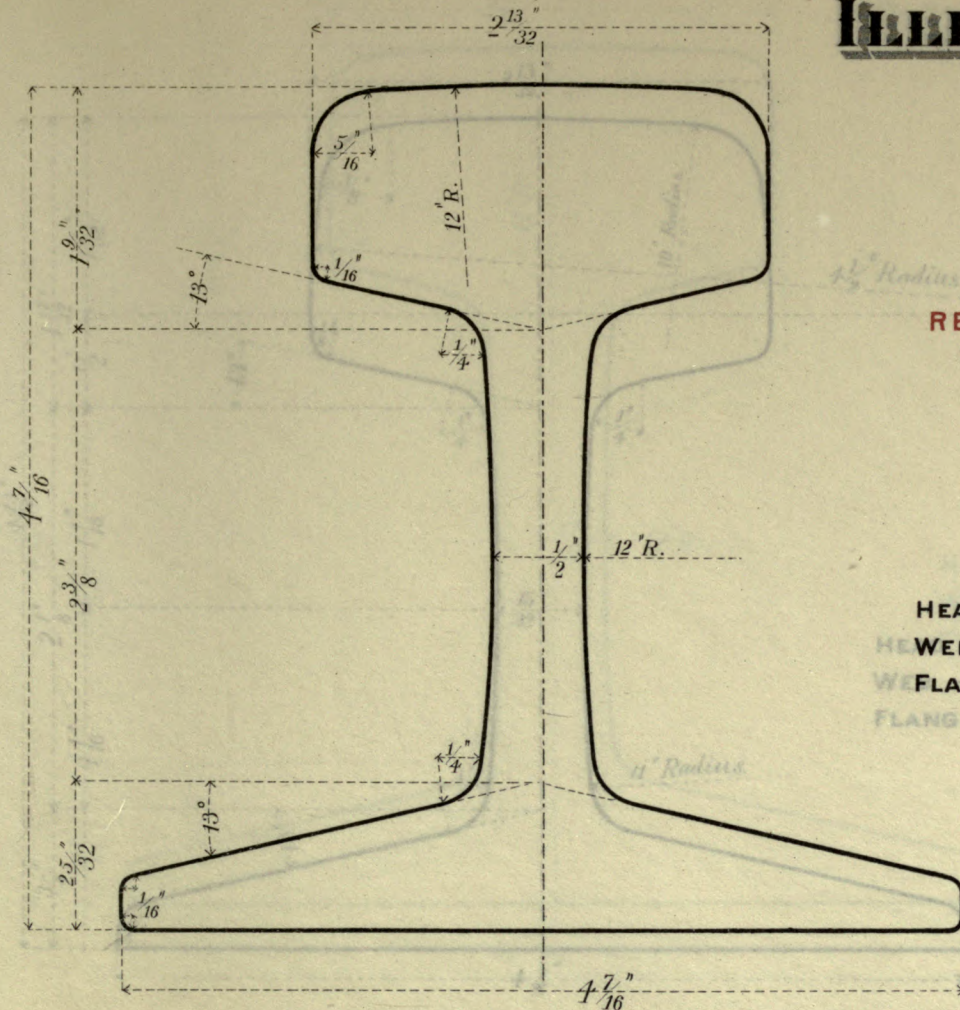
SECTION No 8508.
 Wt. 65 lbs. per Yard.
 Requires 105 ⁷⁰⁰/₃₂₀₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN
SOCIETY OF CIVIL ENGINEERS.



HEAD - - 42 %
HE WEB - - 21 "
WI FLANGE - 37 "
FLANGE - 34 "

SECTION NO. 6507.

Wt. 65 Lbs. Per Yard.

Requires $102\frac{320}{2240}$ Tons per Mile of Track.

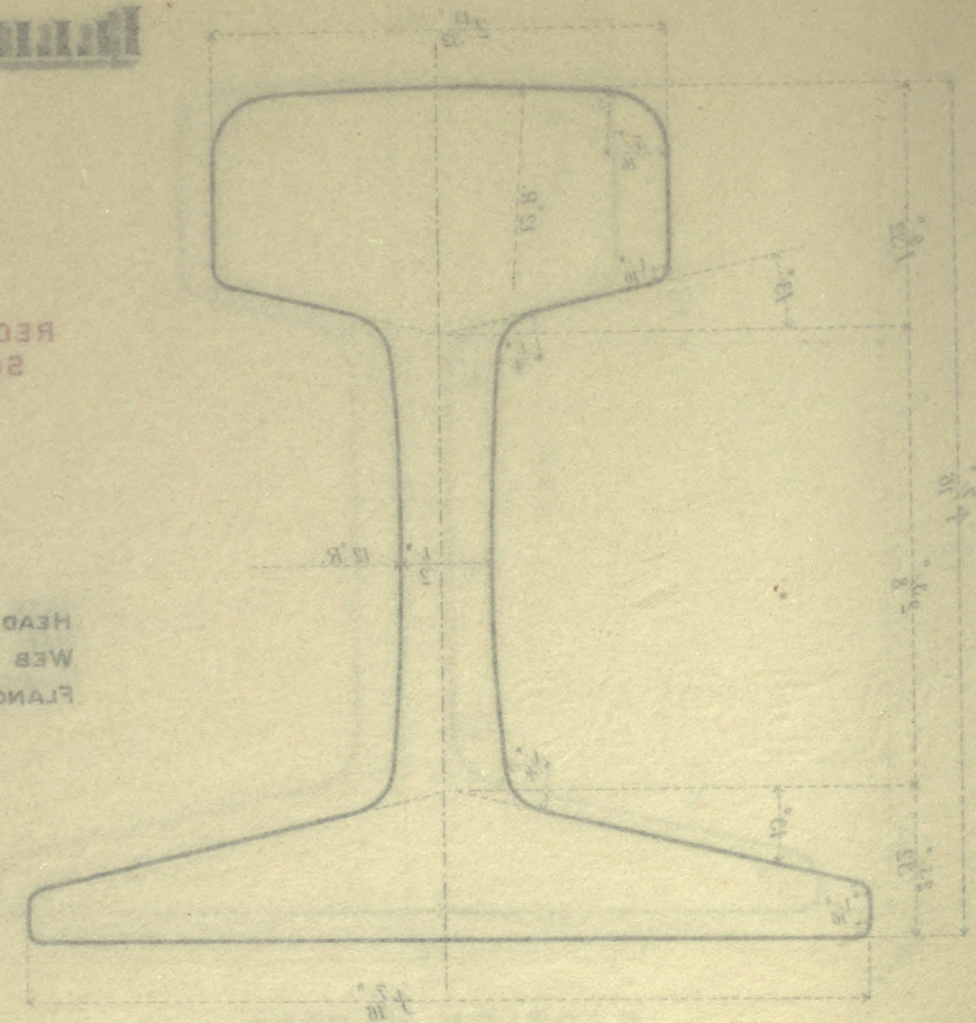
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

WILLIAMS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 45 %
WEB - - 21 ..
FLANGE - 37 ..



SECTION No 6207.

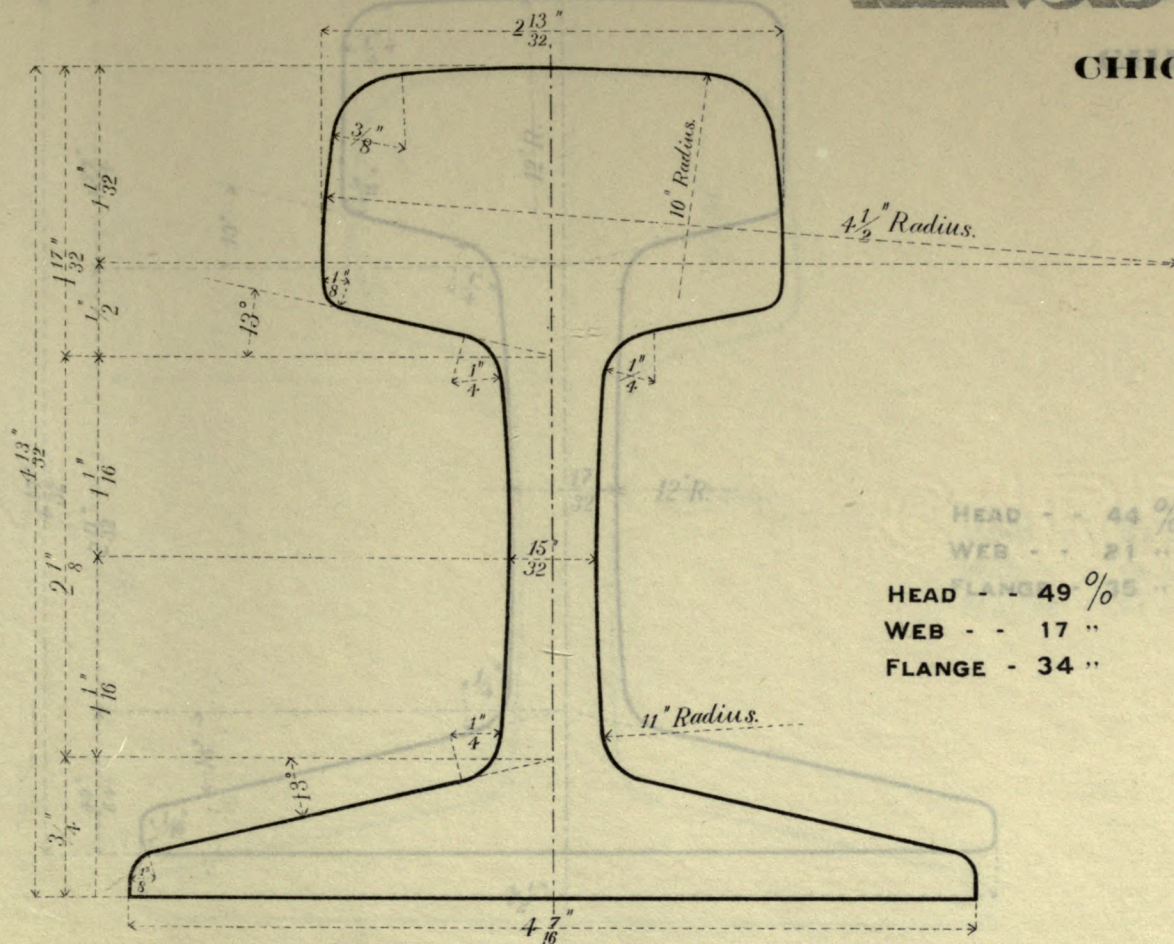
Wt 65 lbs Per Yard.

Requires 105 350 Tons per Mile of Track.

FOR LIST OF RAILS USING THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 44 %
 WEB - - 21 %
 HEAD - - 49 %
 WEB - - 17 %
 FLANGE - 34 %

SECTION N^o 6601.

Wt. 66 Lbs. Per Yard.

Requires $103 \frac{1600}{2240}$ Tons per Mile of Track.

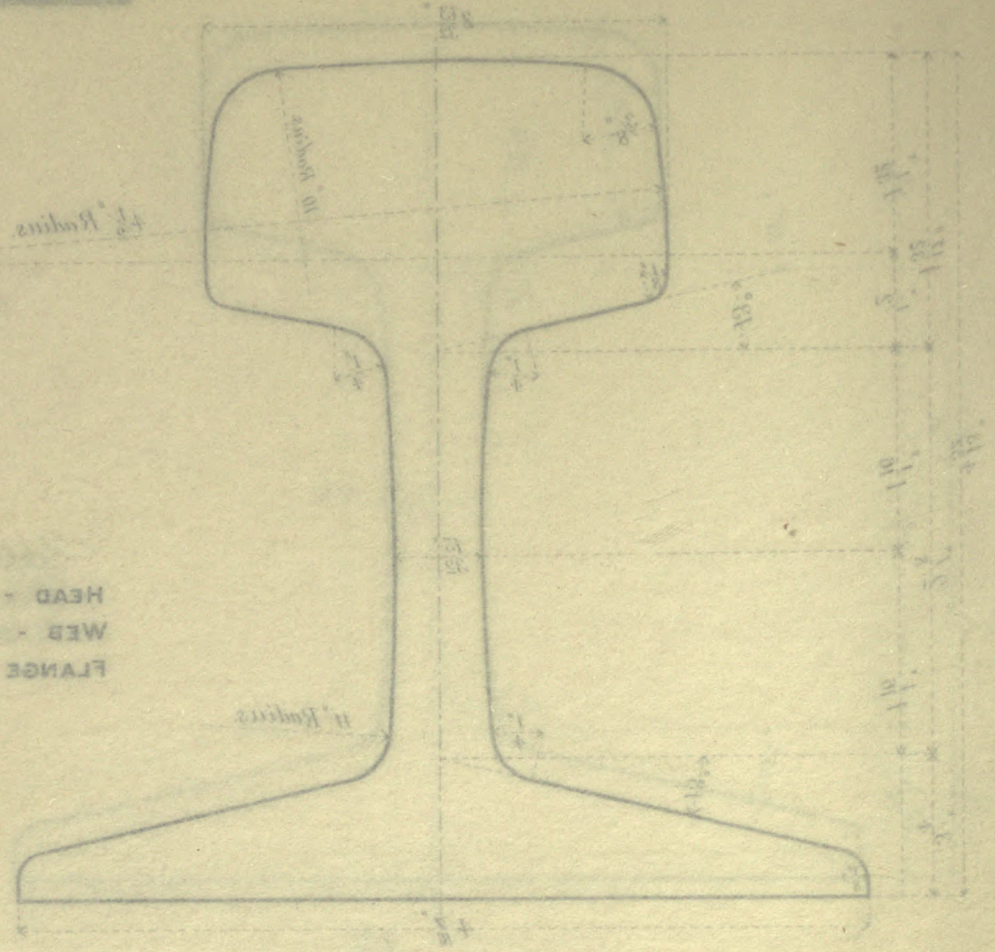
FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

LANE'S STEEL CO.

CHICAGO.

PROPERTY OF THE MANUFACTURER
NOT TO BE REPRODUCED WITHOUT PERMISSION

| | | | |
|--------|---|----|---|
| HEAD | - | 49 | % |
| WEB | - | 17 | " |
| FLANGE | - | 34 | " |



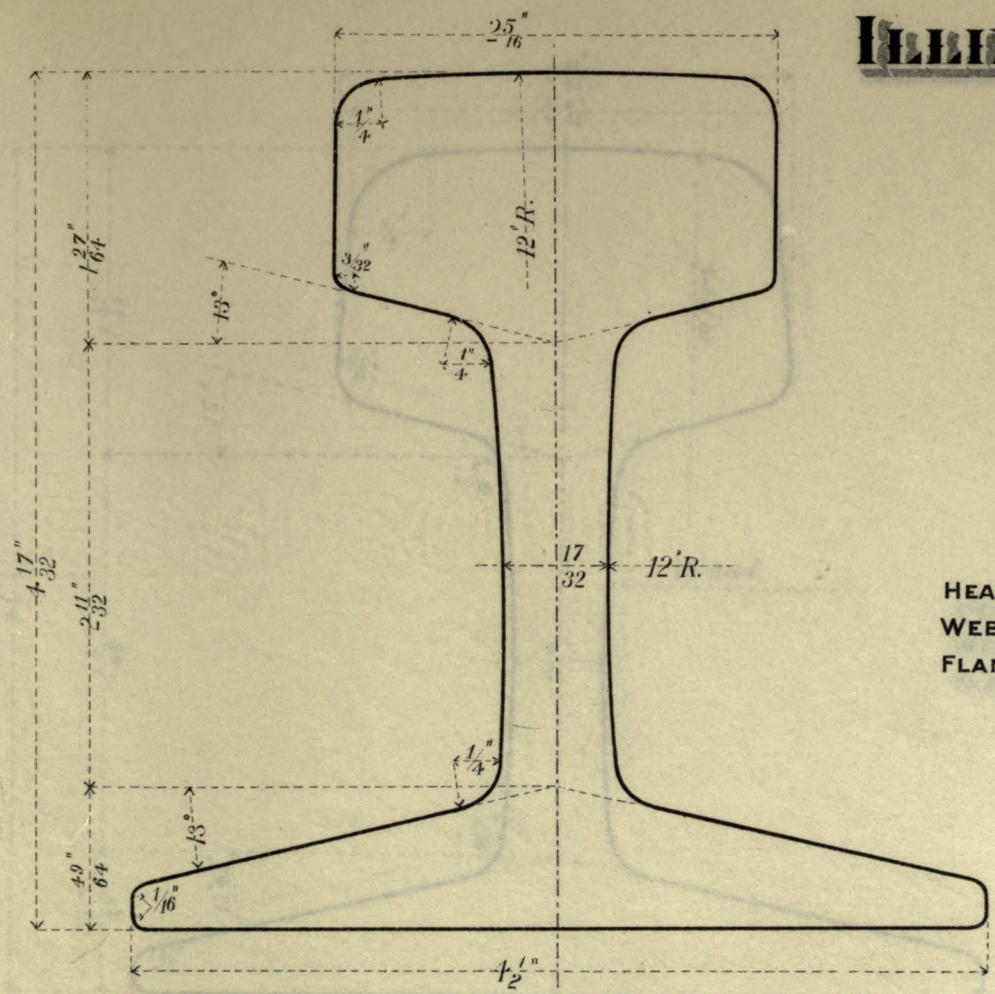
SECTION No 6801.

Wt. 6 Lbs. Per Yard
 Requires 103 2500 Tons per Mile of Track

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 44 %
 WEB - - 21 "
 FLANGE - 35 "

SECTION N^o 6602.

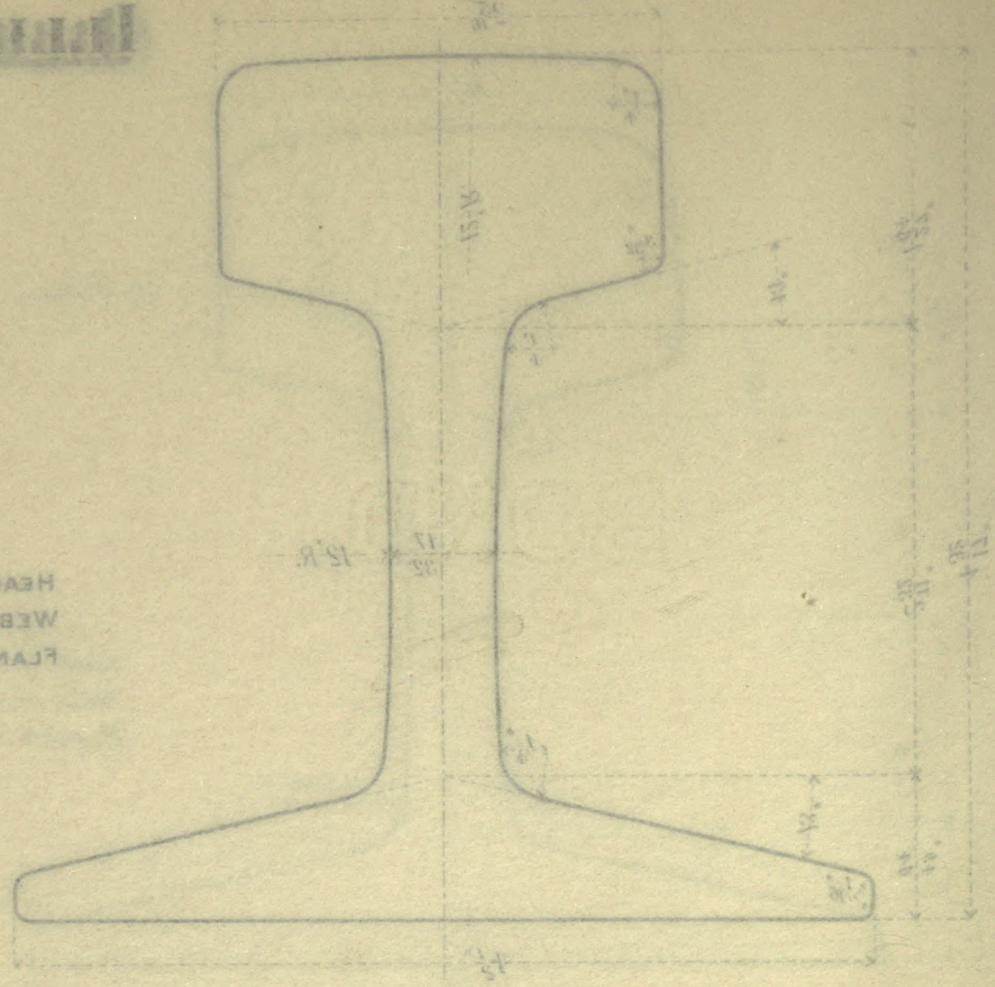
Wt. 66 Lbs. Per Yard.

Requires 103 ¹⁶⁰⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

BRIDGES & STRUCTURAL CO.
CHICAGO.

HEAD - 44
 WEB - 51
 FLANGE - 38

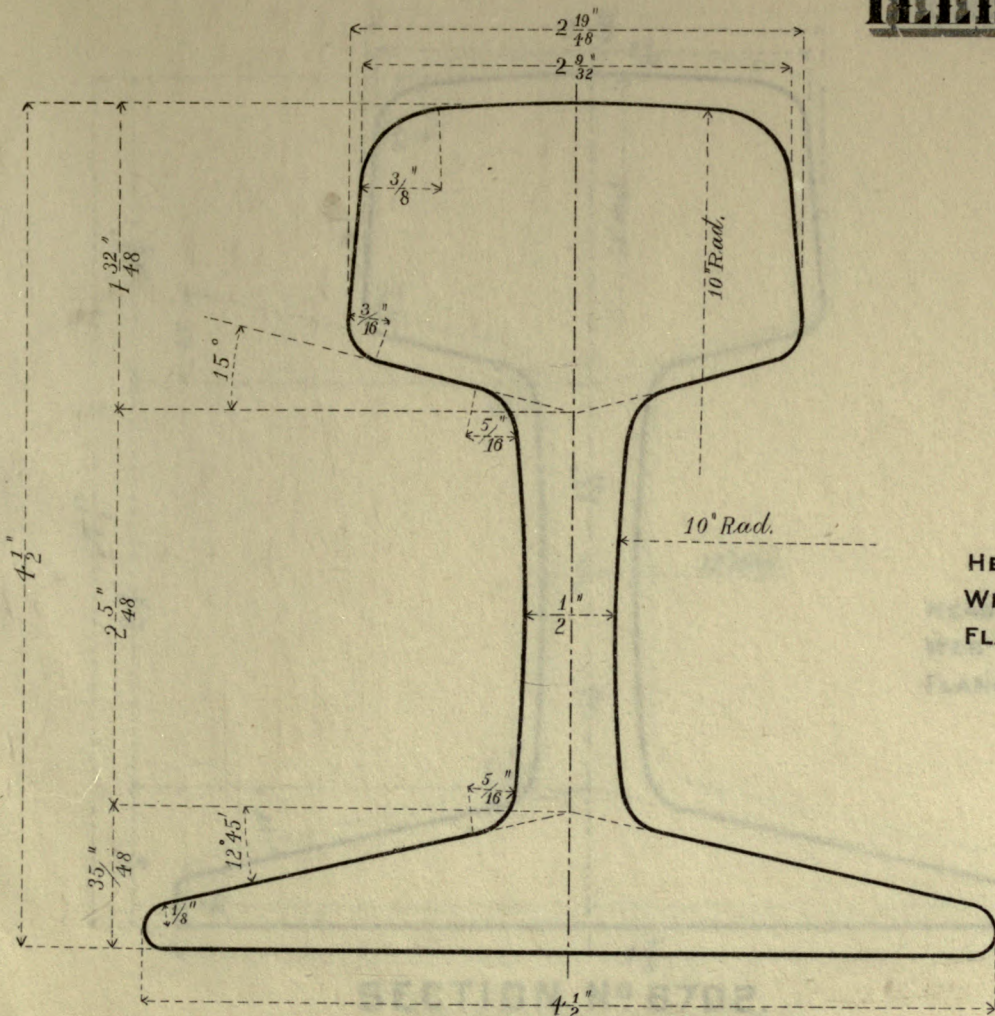


SECTION No 2805
Wt 88 Lbs Per Yard
 Requires 103 ¹⁰⁰⁰/₅₅₀₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SECTION.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 51 %
 WEB - - 18 "
 FLANGE - 31 "

SECTION NO. 6701.

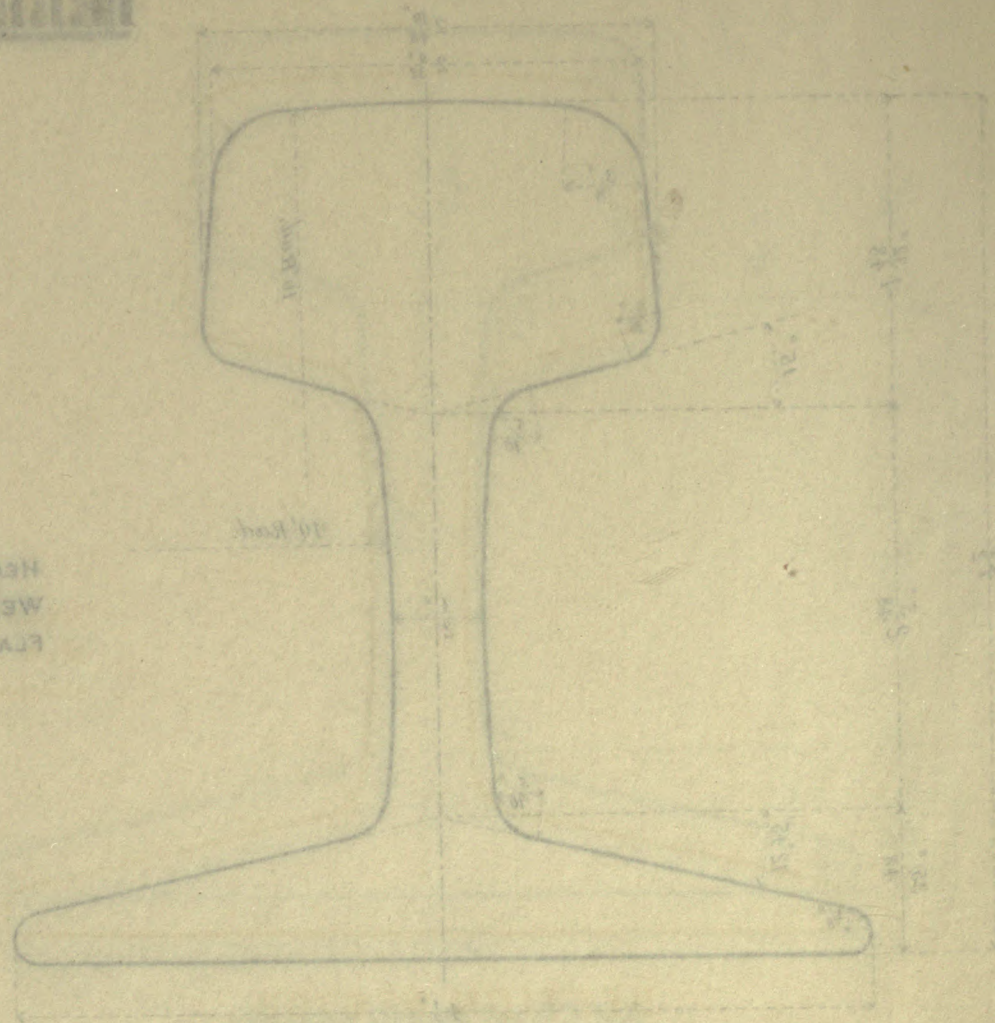
Wt. 67 Lbs. Per Yard.

Requires $105\frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

BRINKLEY STEEL CO.

CHICAGO



HEAD - - 21 1/2
 WEB - - 19
 FLANGE - 21

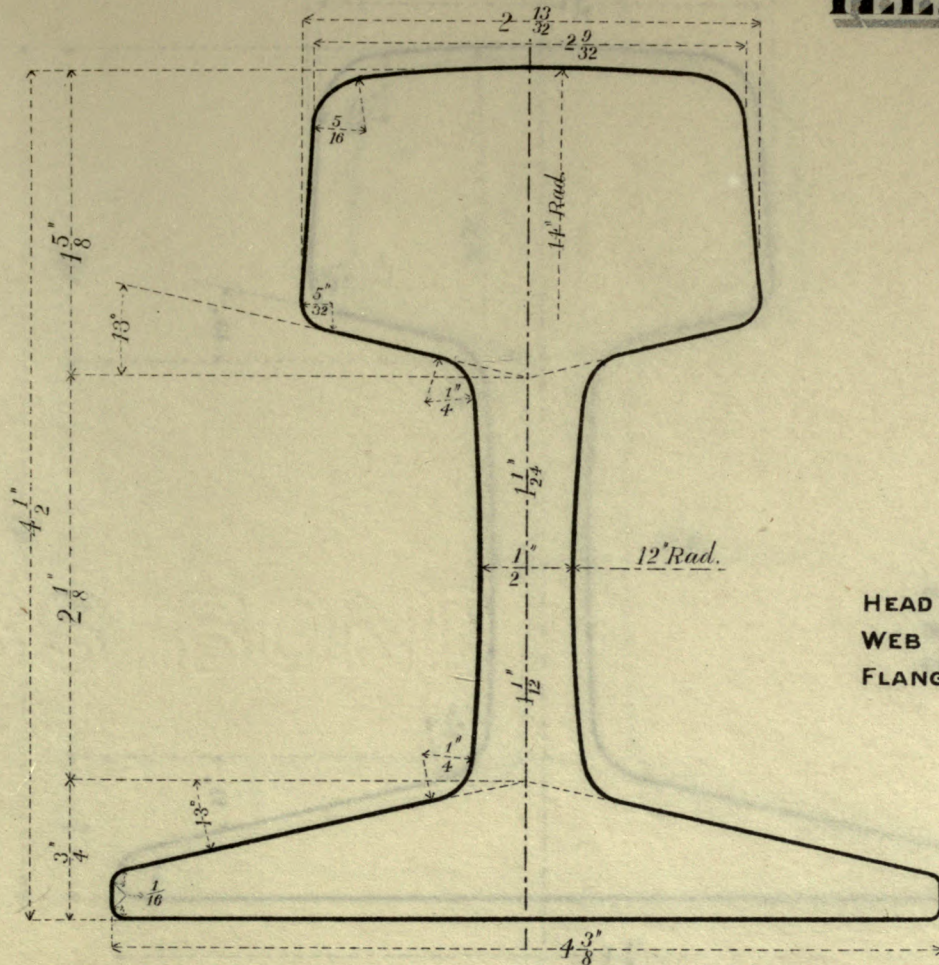
SECTION No 6701

Wt. 87 Lbs Per Yard
 Requires 105 2/3 Tons per Mile of Track

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.



| | | |
|--------|-----|------|
| HEAD | - - | 50 % |
| WEB | - - | 17 " |
| FLANGE | - - | 33 " |

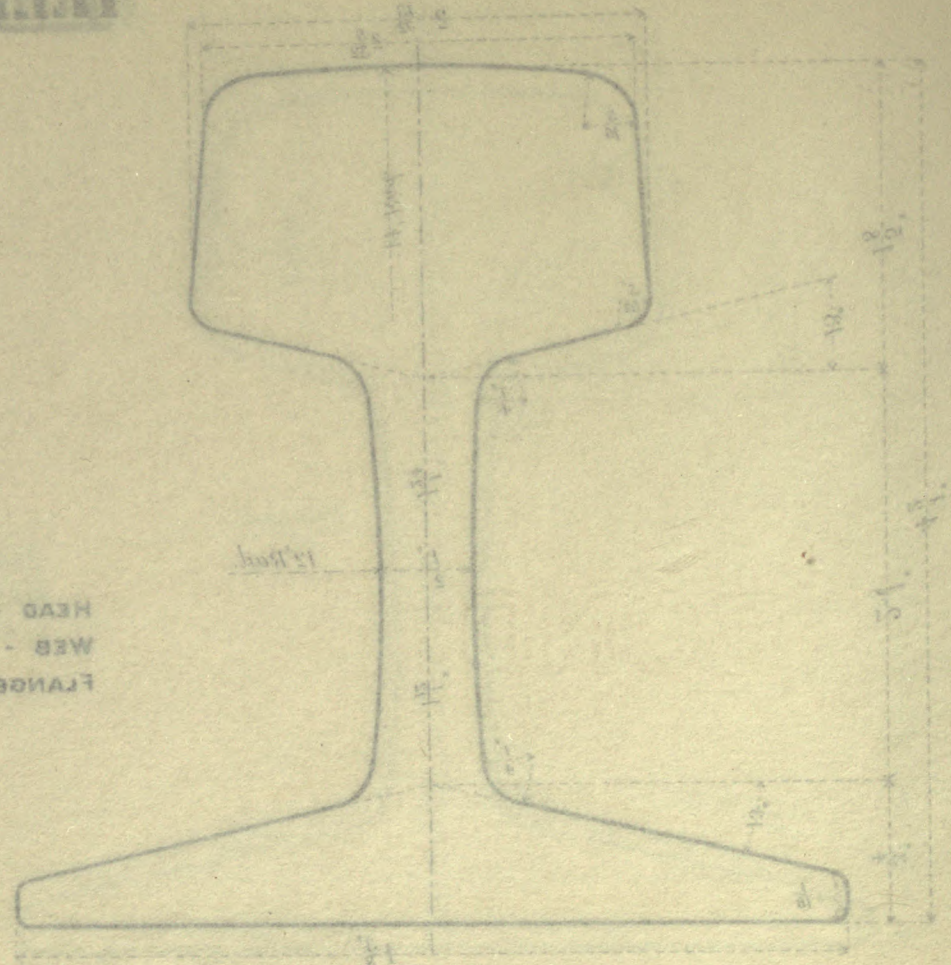
SECTION N^o 6702.
Wt. 67 Lbs. Per Yard.
Requires $105 \frac{640}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

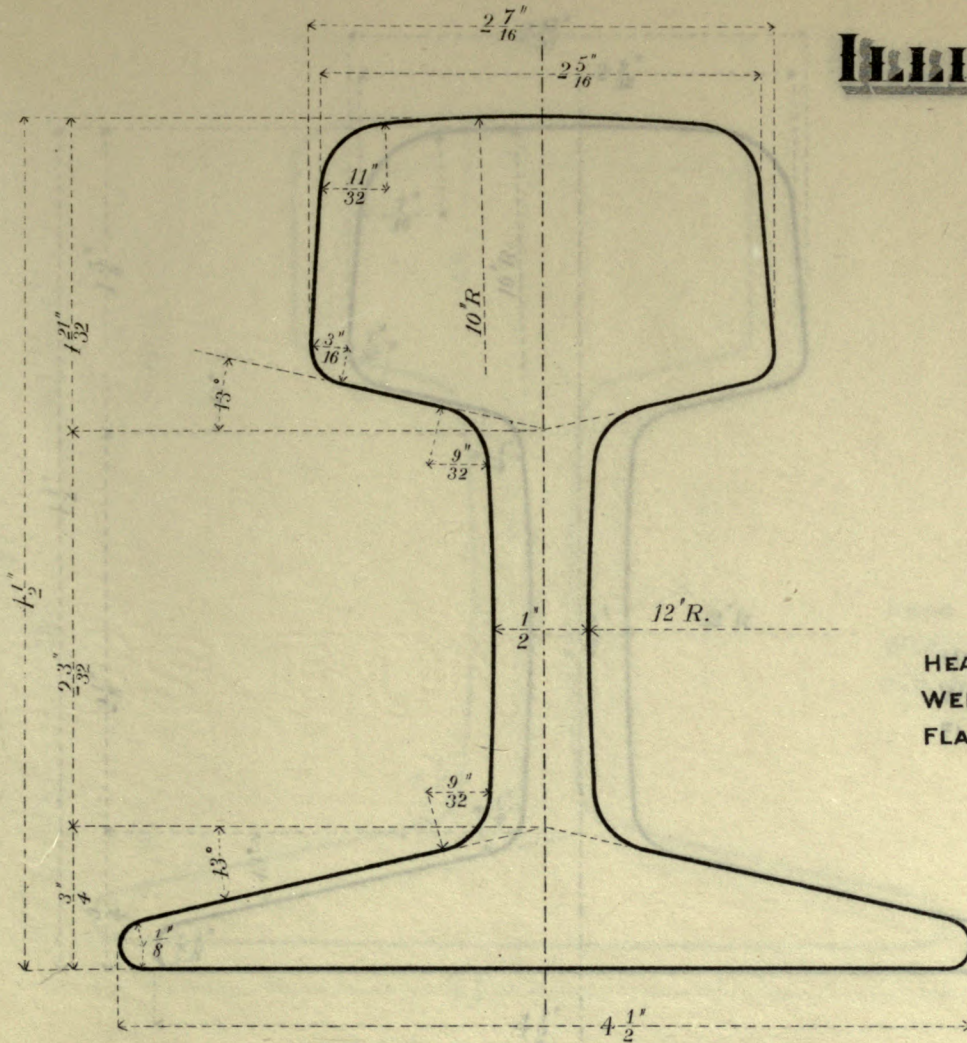
| | | | | |
|--------|---|---|----|---|
| HEAD | - | - | 80 | % |
| WEB | - | - | 17 | " |
| FLANGE | - | - | 33 | " |



SECTION No 6705.
 Wt. 87 lbs Per Yard.
 Requires 105 2/3 Tons per Mile of Track.
 FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 51 %
 WEB - - 17 %
 FLANGE - 32 %

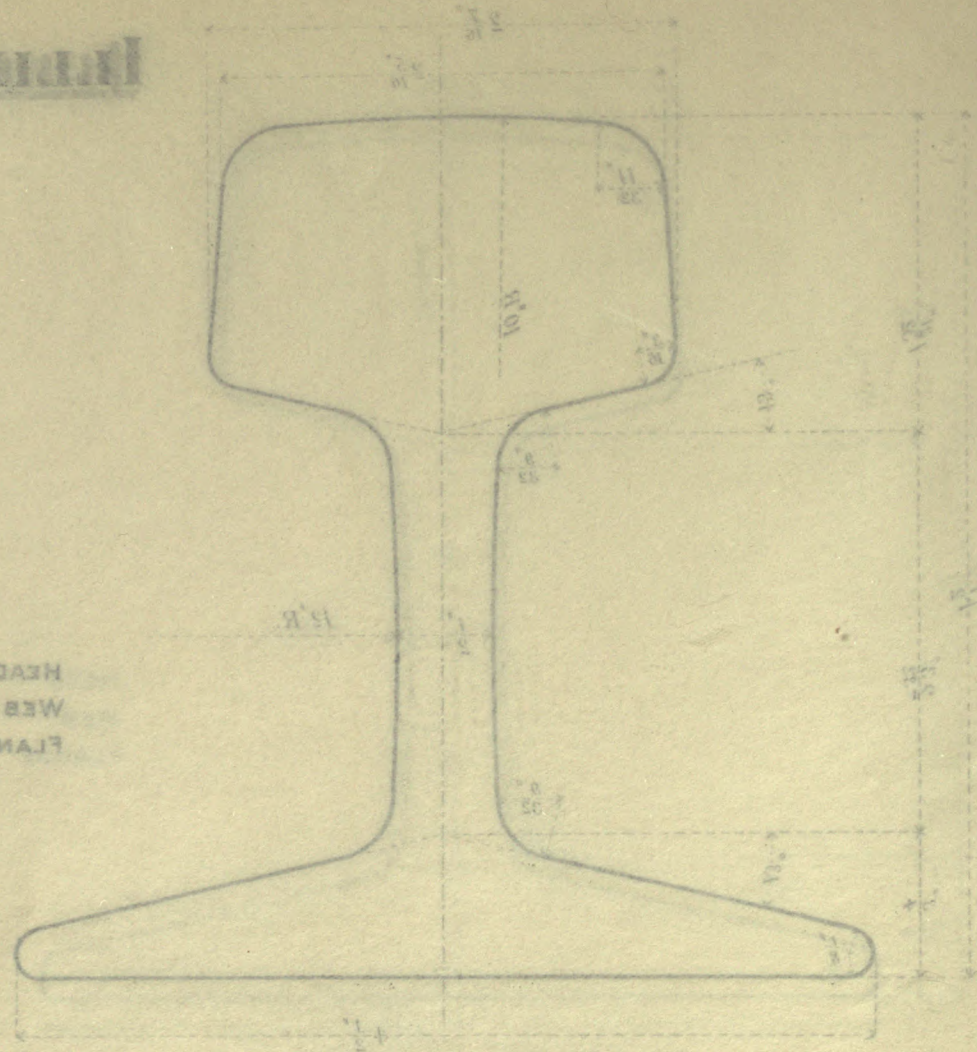
SECTION N^o 6703.
 Wt. 67 Lbs. Per Yard.
 Requires 105⁶⁴⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

INDUSTRIAL STEEL CO

CHICAGO.

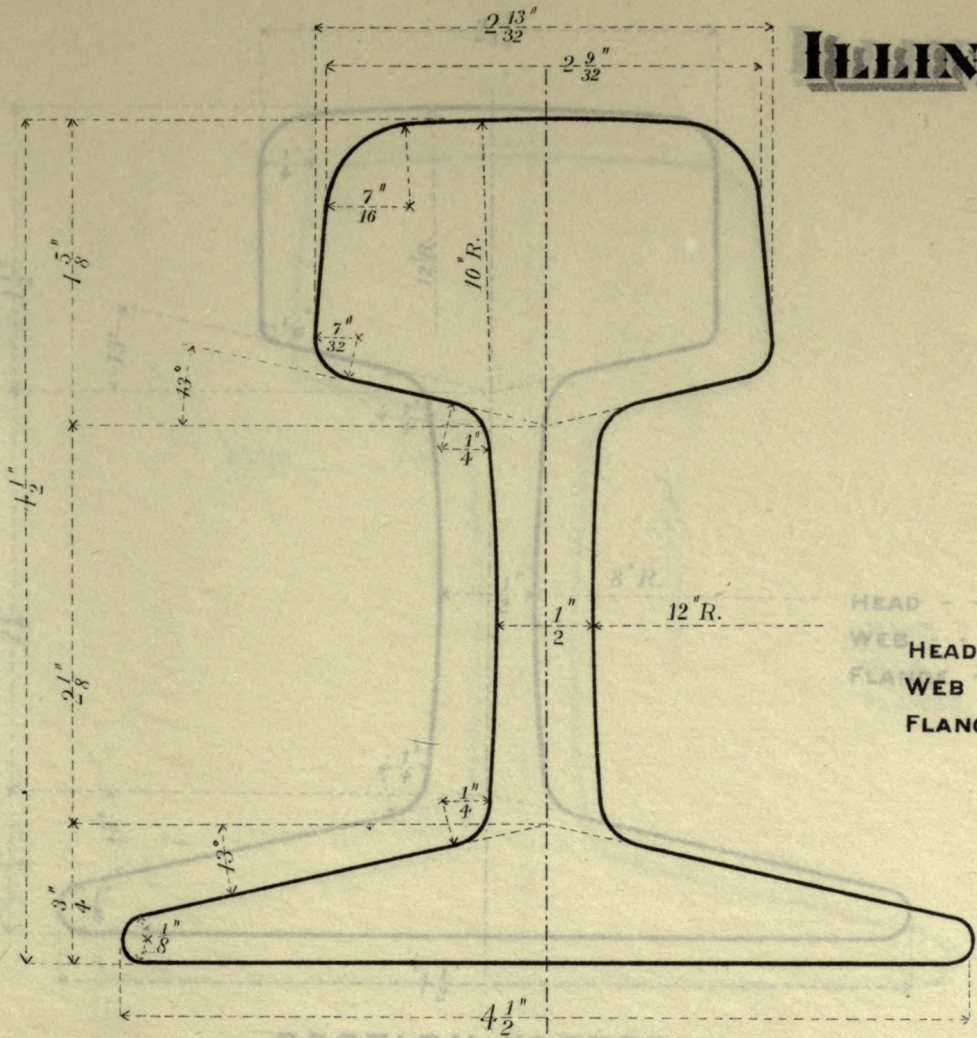
HEAD - - 21 %
 WEB - - 17 "
 FLANGE - 35 "



SECTION No 8703.
 Wt 57 Lbs Per Yard.
 Requires 105 ⁰⁰⁰/₆₀₀₀ Tons per Mile of Track.
 FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



| | | | |
|--------|-----|----|---|
| HEAD | - - | 48 | % |
| WEB | - - | 18 | % |
| FLANGE | - - | 33 | % |
| WEB | - - | 18 | " |
| FLANGE | - - | 32 | " |

SECTION No 6704.

Wt. 67 Lbs. Per Yard.

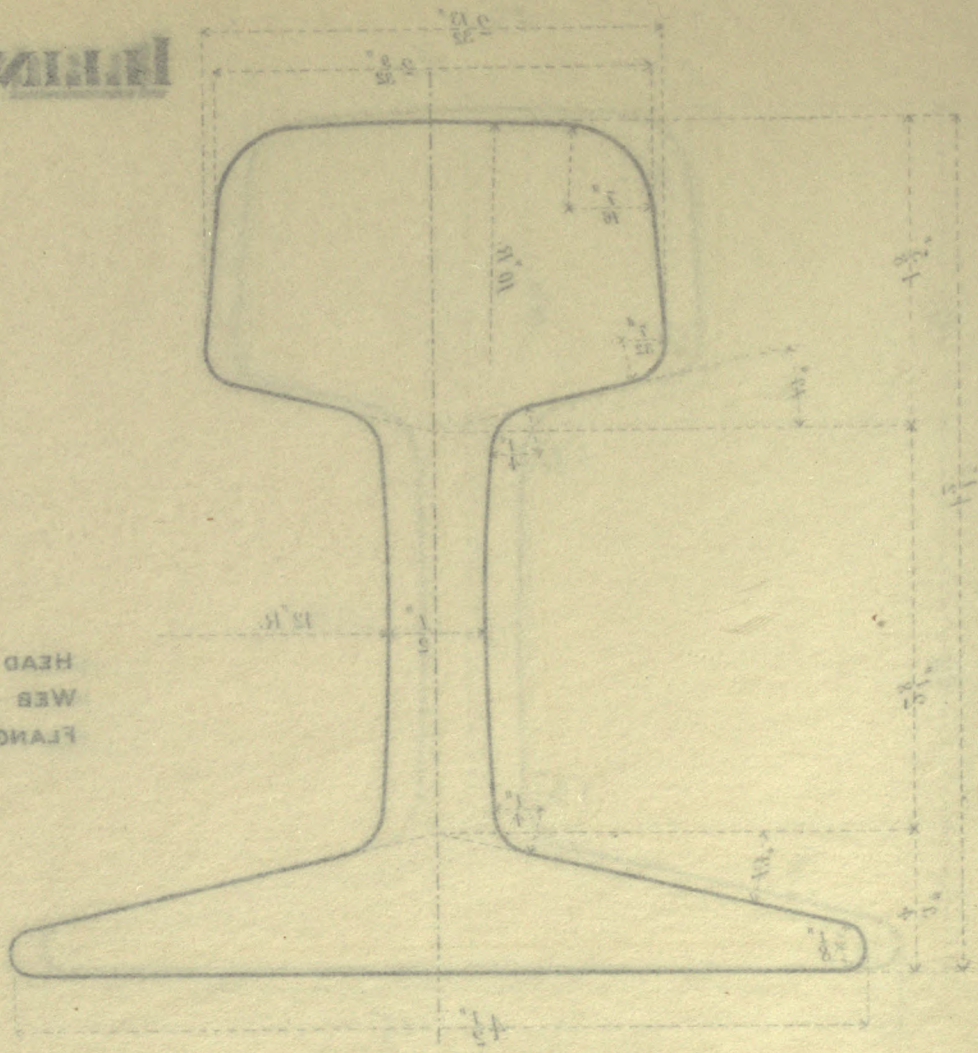
Requires 105 ⁶⁴⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

HEAD - - 80 %
 WEB - - 18 ..
 FLANGE - 35 ..

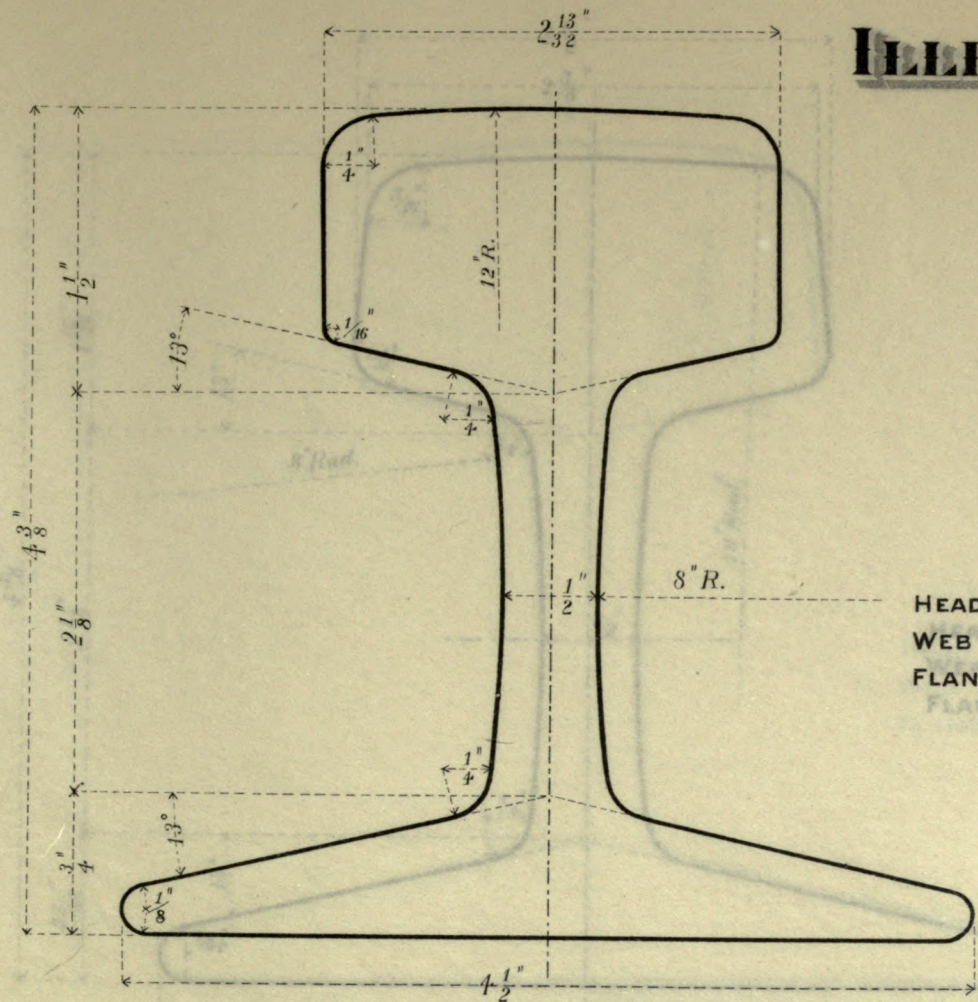


SECTION No 8704.
 Wt 87 lbs Per Yard.
 Requires 102 5/16 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 48 %
 WEB - - 19 %
 FLANGE - 33 %
 FLANGE - 35 %

SECTION N° 6705.
 Wt. 67 Lbs. Per Yard.
 Requires $105\frac{640}{2240}$ Tons per Mile of Track.

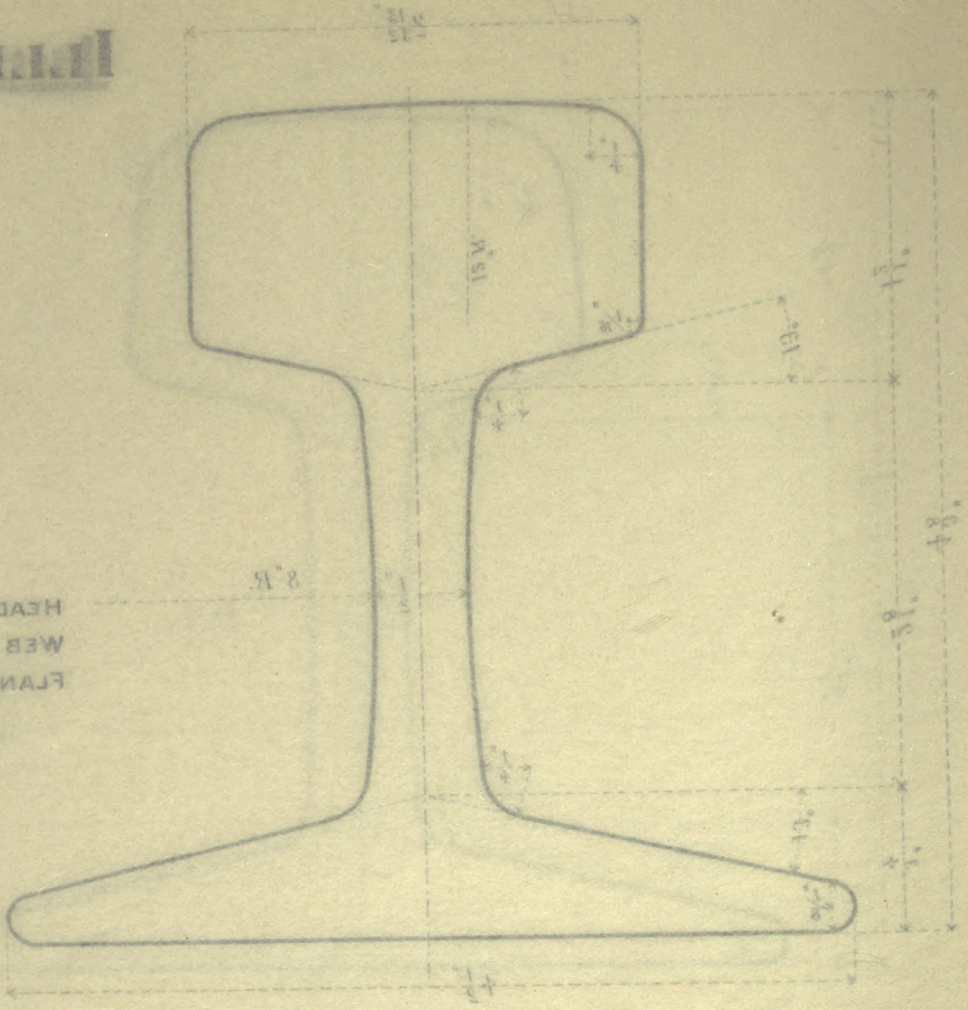
FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.
 FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

Requires 105 ⁵⁴⁰/₅₂₄₀ Tons per Mile of Track.

Wt. 57 Lbs. Per Yard.

SECTION No 6702.

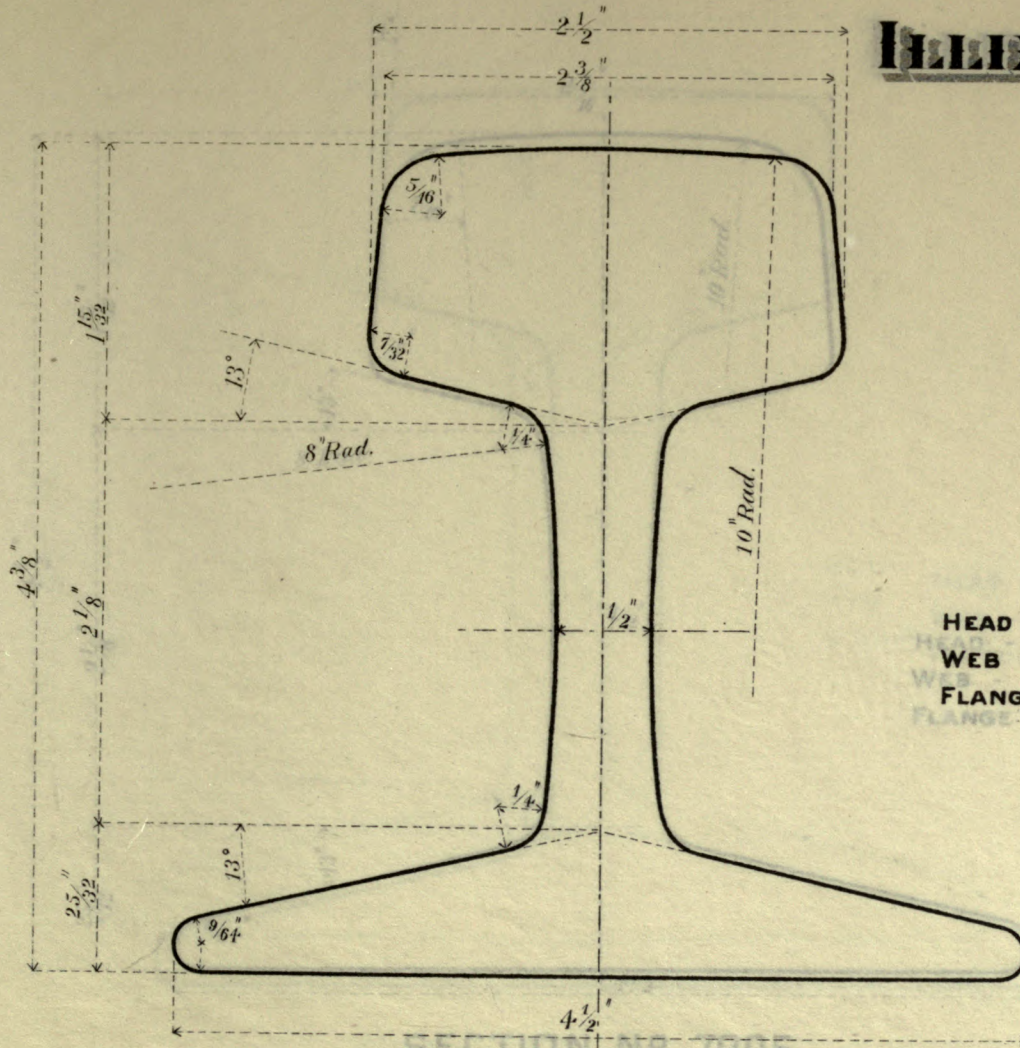


| | | | |
|--------|---|----|----|
| FLANGE | - | 33 | .. |
| WEB | - | 19 | .. |
| HEAD | - | 48 | % |

CHICAGO.
ILLINOIS STEEL CO.

ILLINOIS STEEL CO.

CHICAGO.



| | | |
|--------|-----|------|
| HEAD | - - | 46 % |
| WEB | - - | 19 " |
| FLANGE | - - | 35 " |

SECTION N° 6801.

Wt. 68 Lbs. Per Yard.

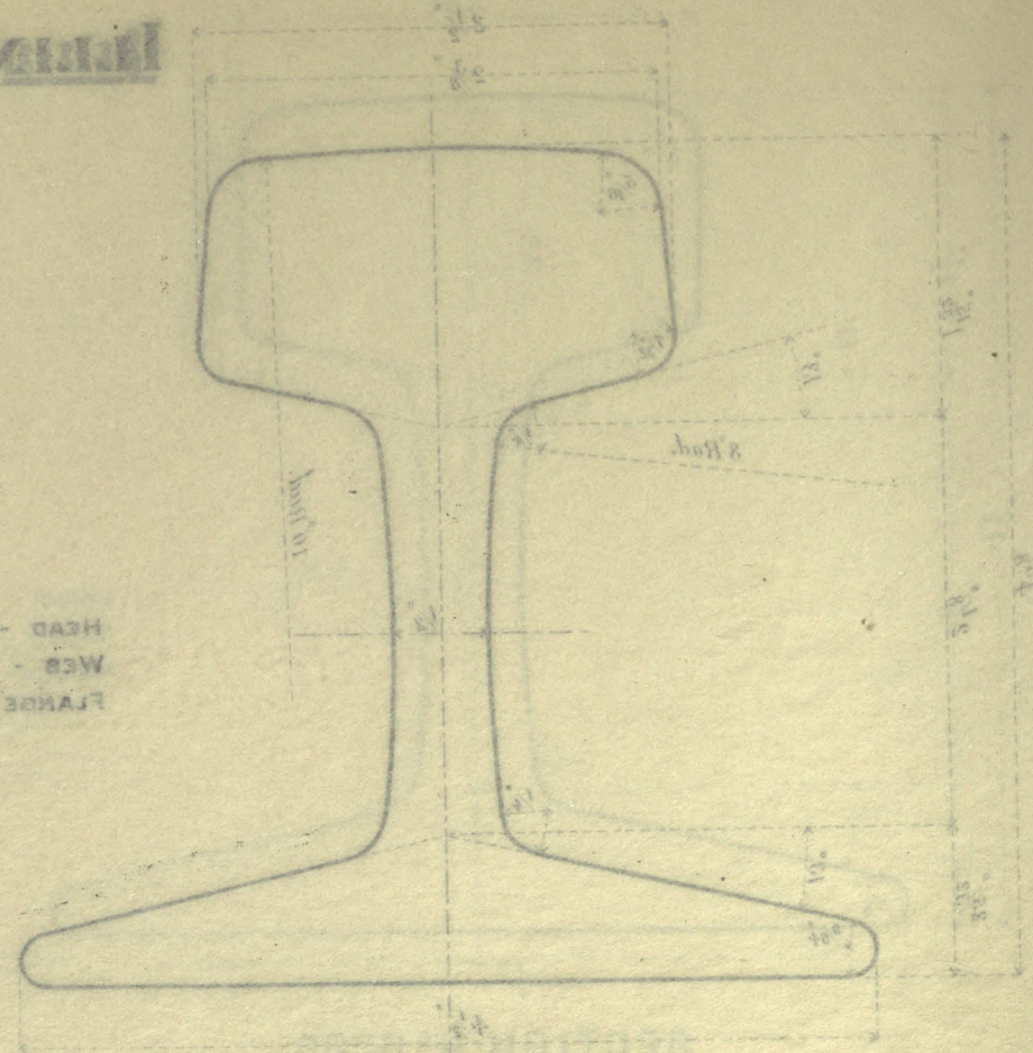
Requires 106 ¹⁹²⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

AMERICAN STEEL CO.

CHICAGO.

HEAD - - 46 1/2
 WEB - - 19 "
 FLANGE - 35 "



SECTION No 8801

Wt 88 lbs Per Yard

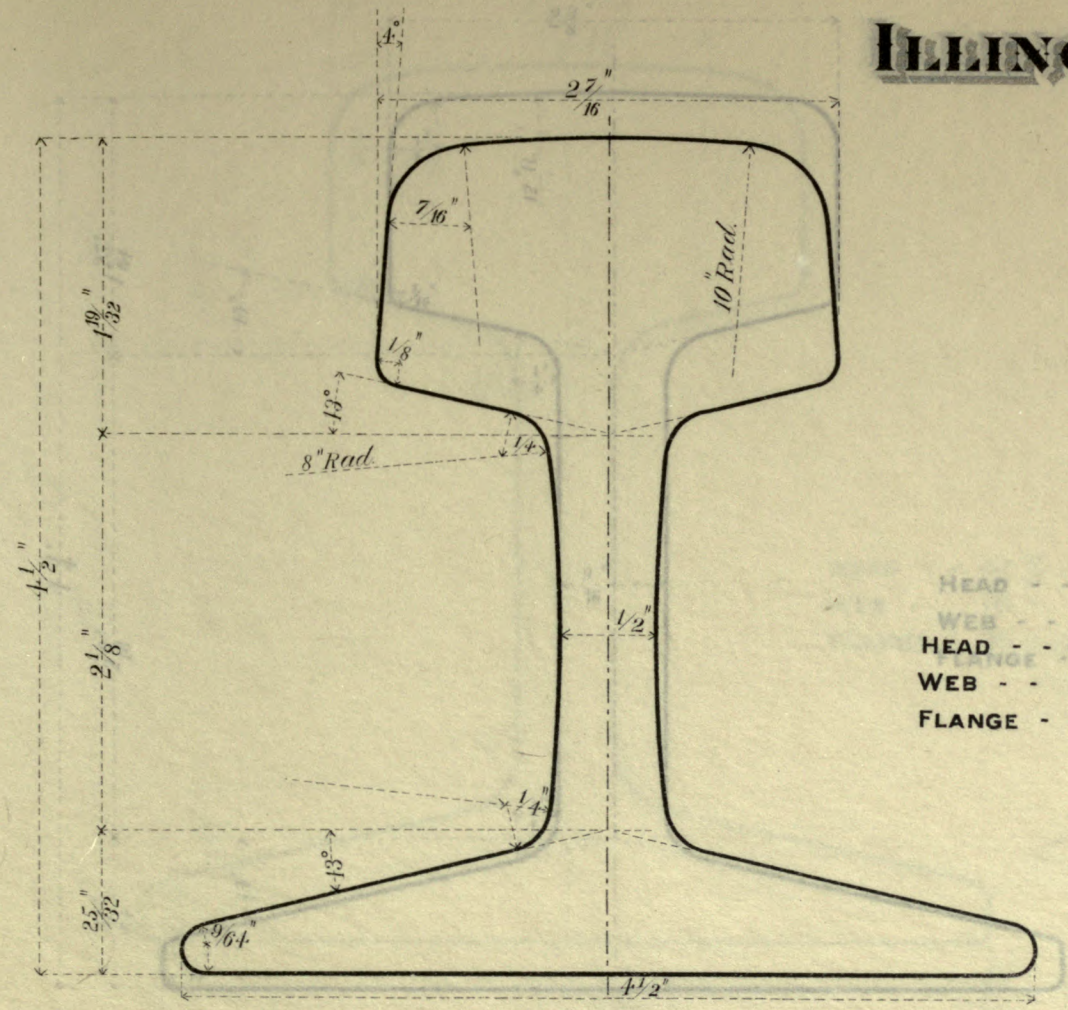
Requiesites 5500 Tons per Mile of Track

FOR LIST OF ROADS USING

THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.



| | | |
|--------|-----|-----|
| HEAD | - - | 42% |
| WEB | - - | 22% |
| HEAD | - - | 48% |
| FLANGE | - - | 36% |
| WEB | - - | 18" |
| FLANGE | - - | 34" |

SECTION No 7005.

Wt. 70 Lbs. Per Yard.

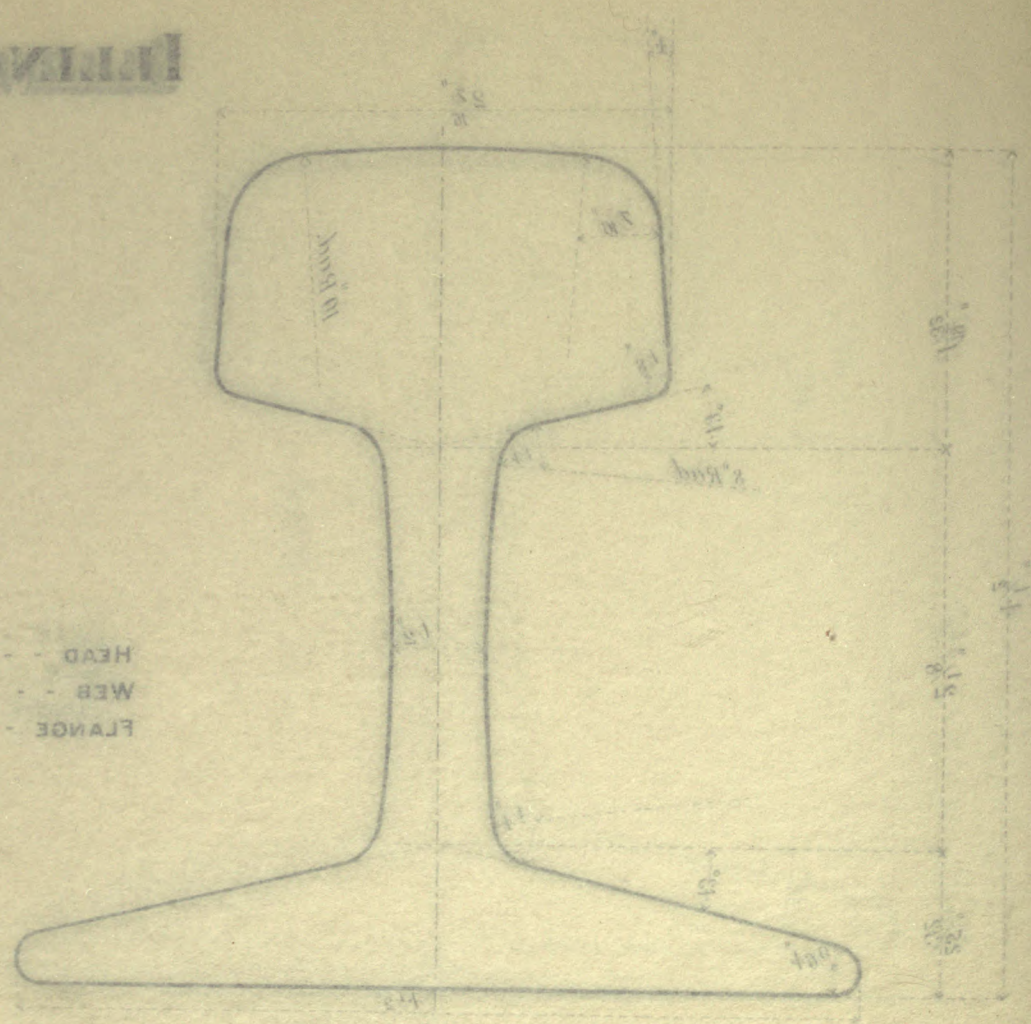
Requires 110 Tons per Mile of Track.

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

HEAD - - 48 ⁰/₁₆
 WEB - - 18 ..
 FLANGE - 34 ..

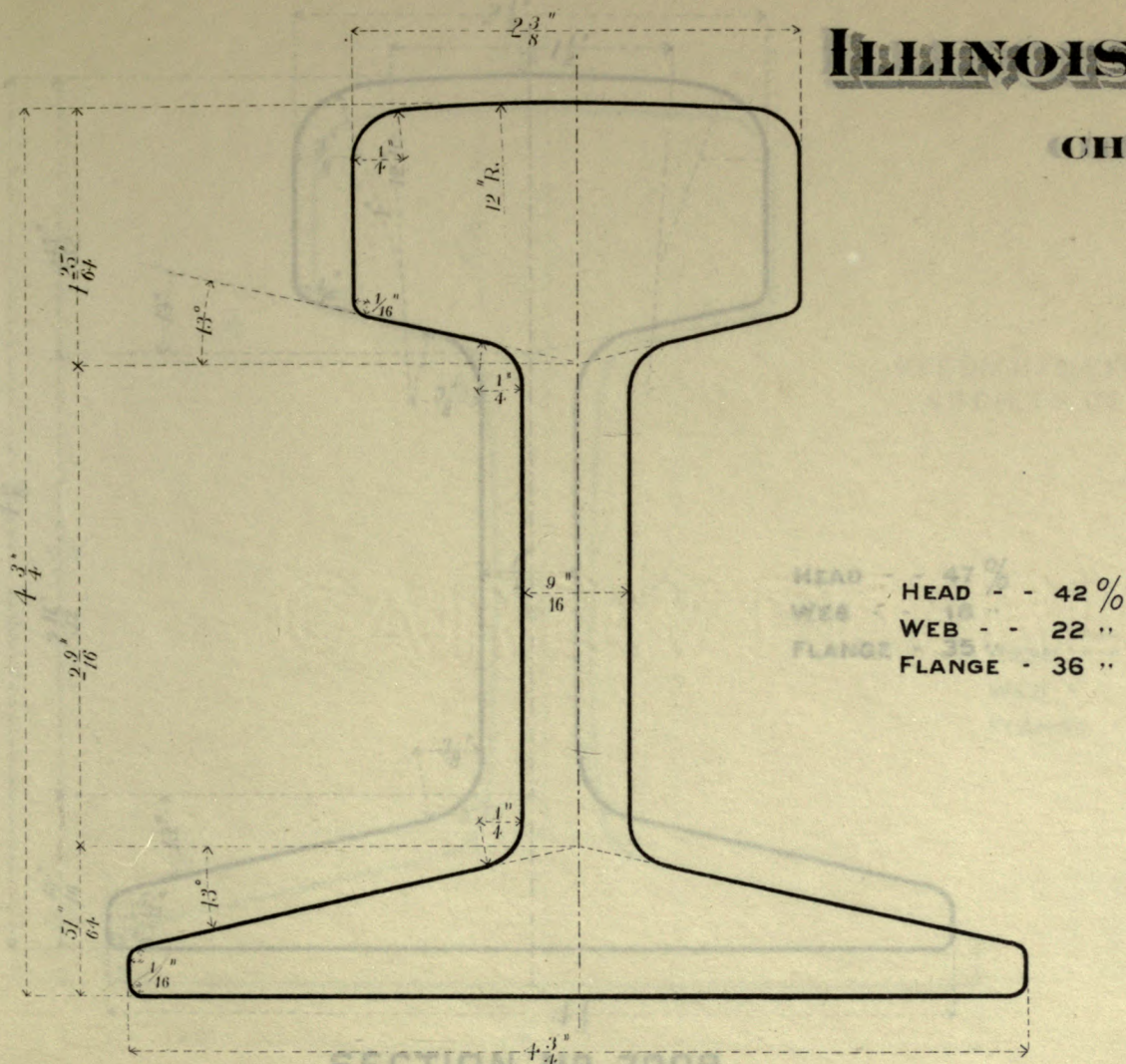


SECTION No 7005.
 Wt 70 Lbs. Per Yard
 Requires 110 Tons per Mile of Track

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.



SECTION N^o 7007..

Requires Wt. 70 Lbs. Per Yard.

Requires 110 Tons per Mile of Track.

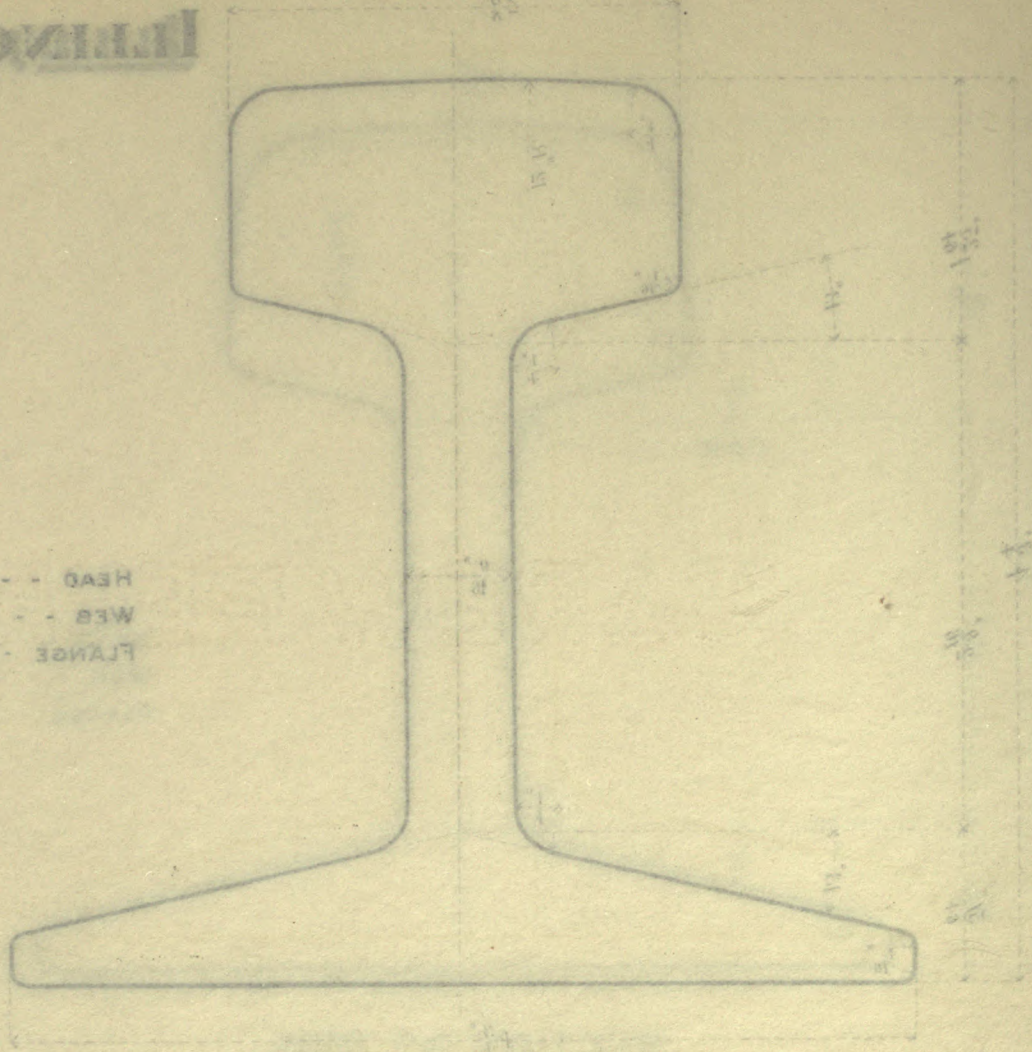
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

FOR LIST OF RAILS USING
THIS RAIL SEE INDEX

Requires 110 Tons per Mile of Track.
Wt. 70 Lbs. Per Yard.

SECTION No 7007.

FLANGE - 36 %
WEB - 55 %
HEAD - 45 %



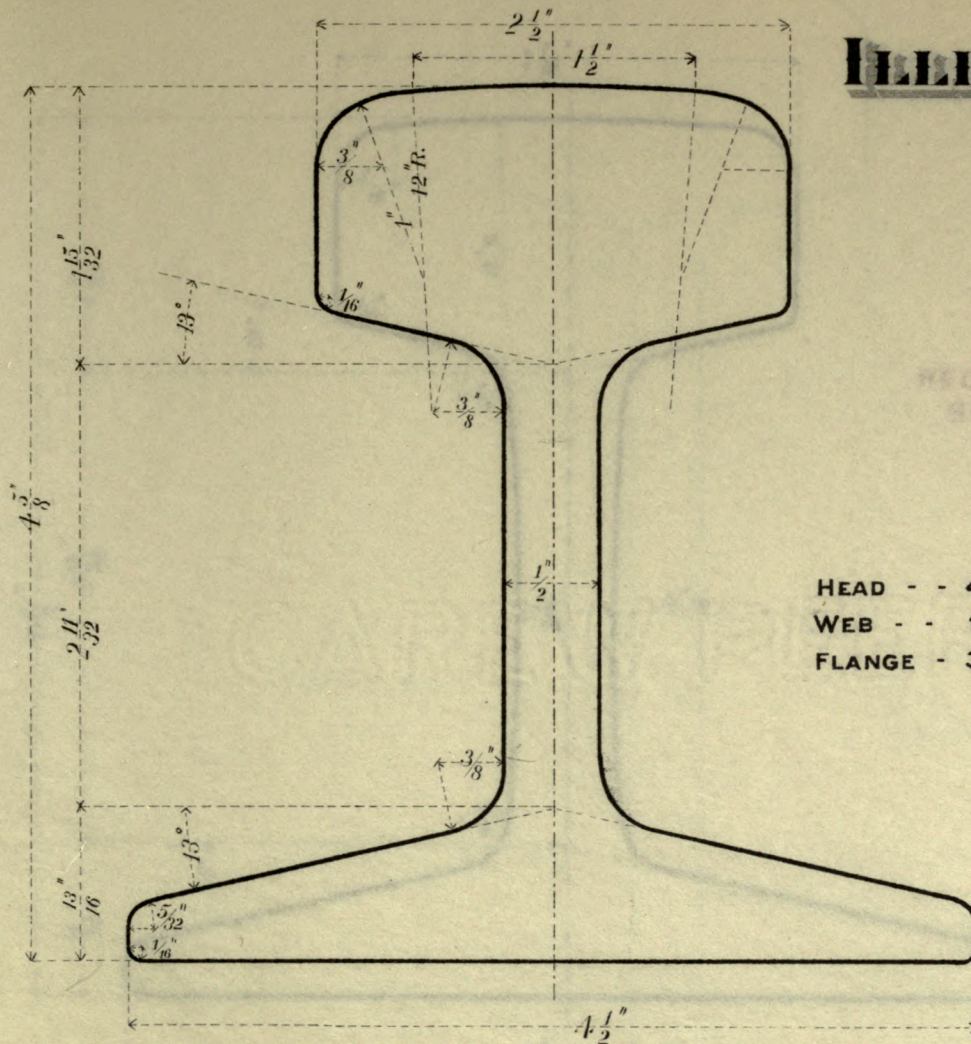
CHICAGO.

BRIDGES STEEL CO.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN
SOCIETY OF CIVIL ENGINEERS.



HEAD - - 47 %
WEB - - 18 "
FLANGE - 35 "

SECTION NO. 7009.

Wt. 70 Lbs. Per Yard.

Requires 110 Tons per Mile of Track.

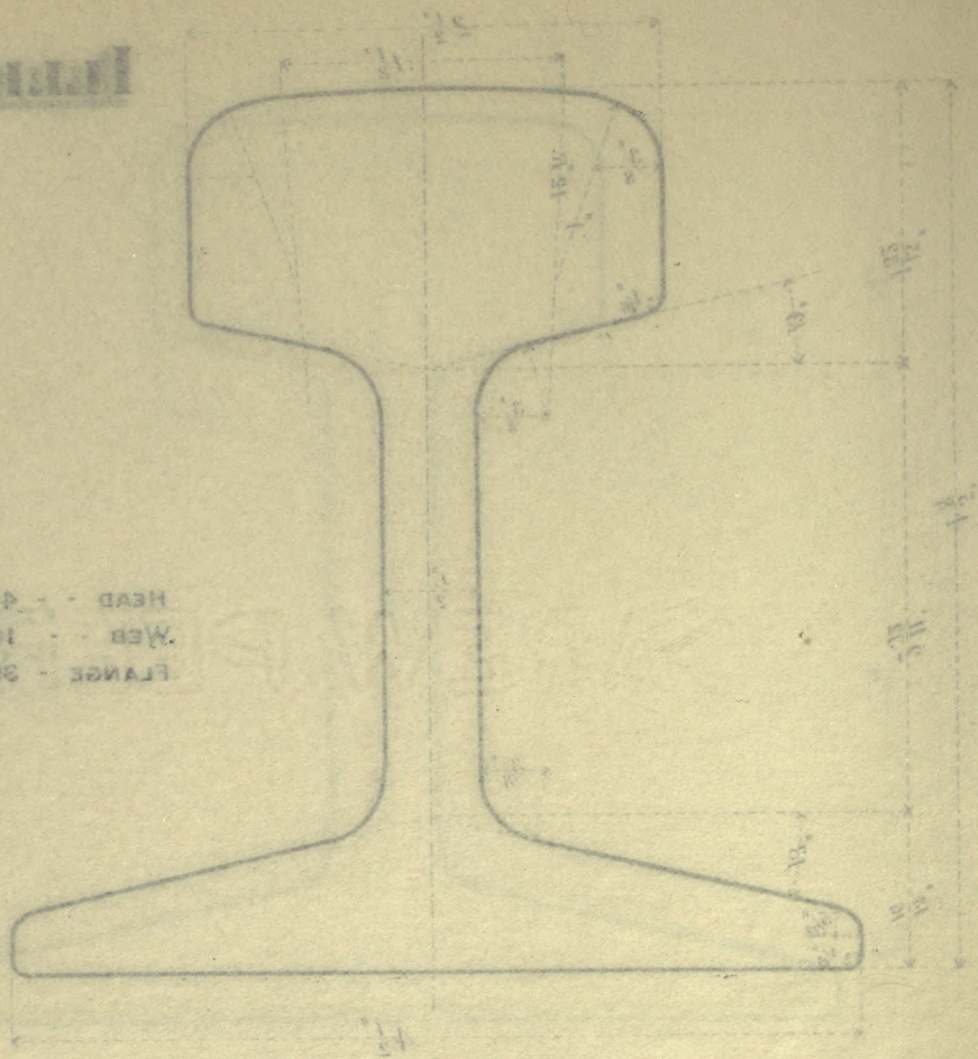
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

WILSON'S STEEL CO.

CHICAGO.

| | | | |
|--------|---|----|----|
| HEAD | - | 41 | % |
| WEB | - | 19 | .. |
| FLANGE | - | 38 | .. |

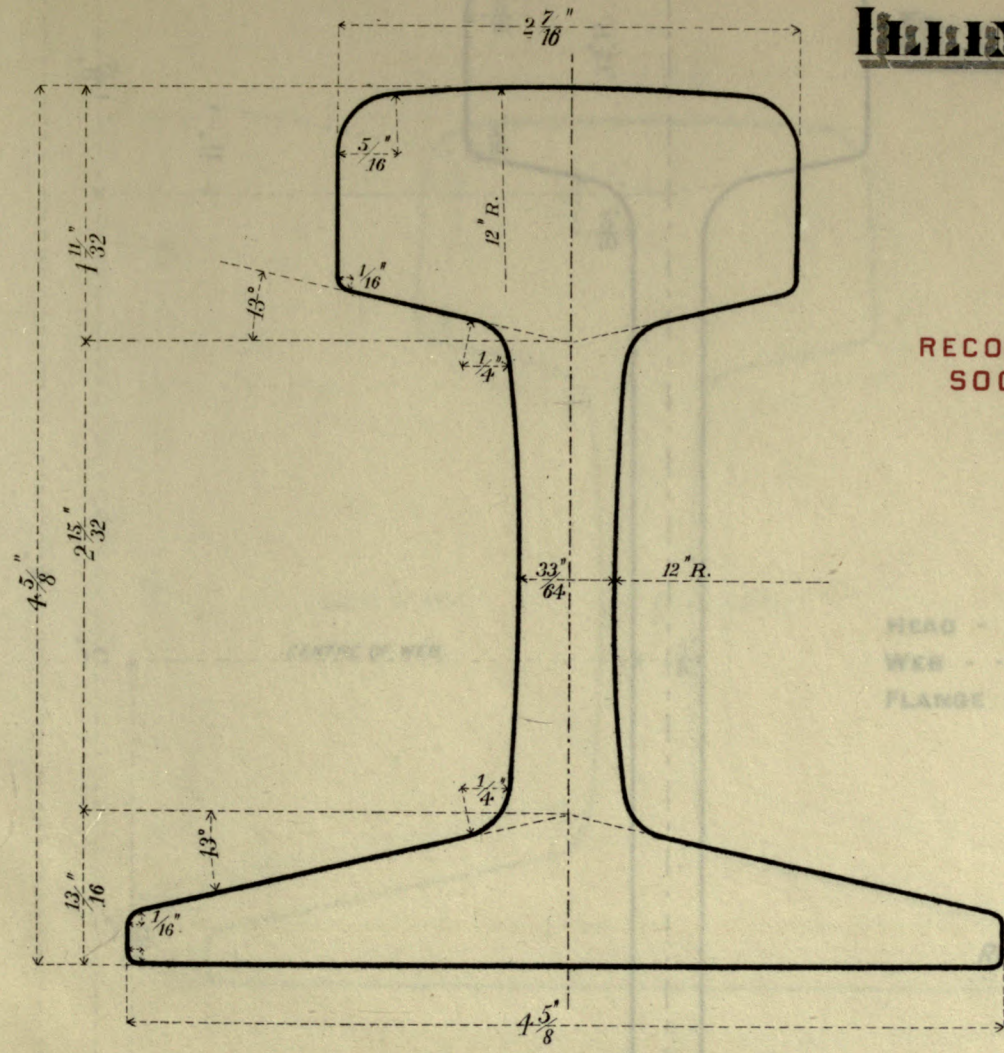


SECTION No 2008
 Wt 70 lbs per Yard
 Requires 110 tons per Mile of track
 FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



| | | |
|--------|--------|----------|
| HEAD | HEAD | - - 42 % |
| WEB | WEB | - - 21 " |
| FLANGE | FLANGE | - 37 " |

SECTION No 7011.
 Wt. 70 Lbs. Per Yard.
 Requires 110 Tons per Mile of Track.

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

SECTION No 7010.
 Wt. 70 Lbs. Per Yard.
 Requires 110 Tons per Mile of Track.

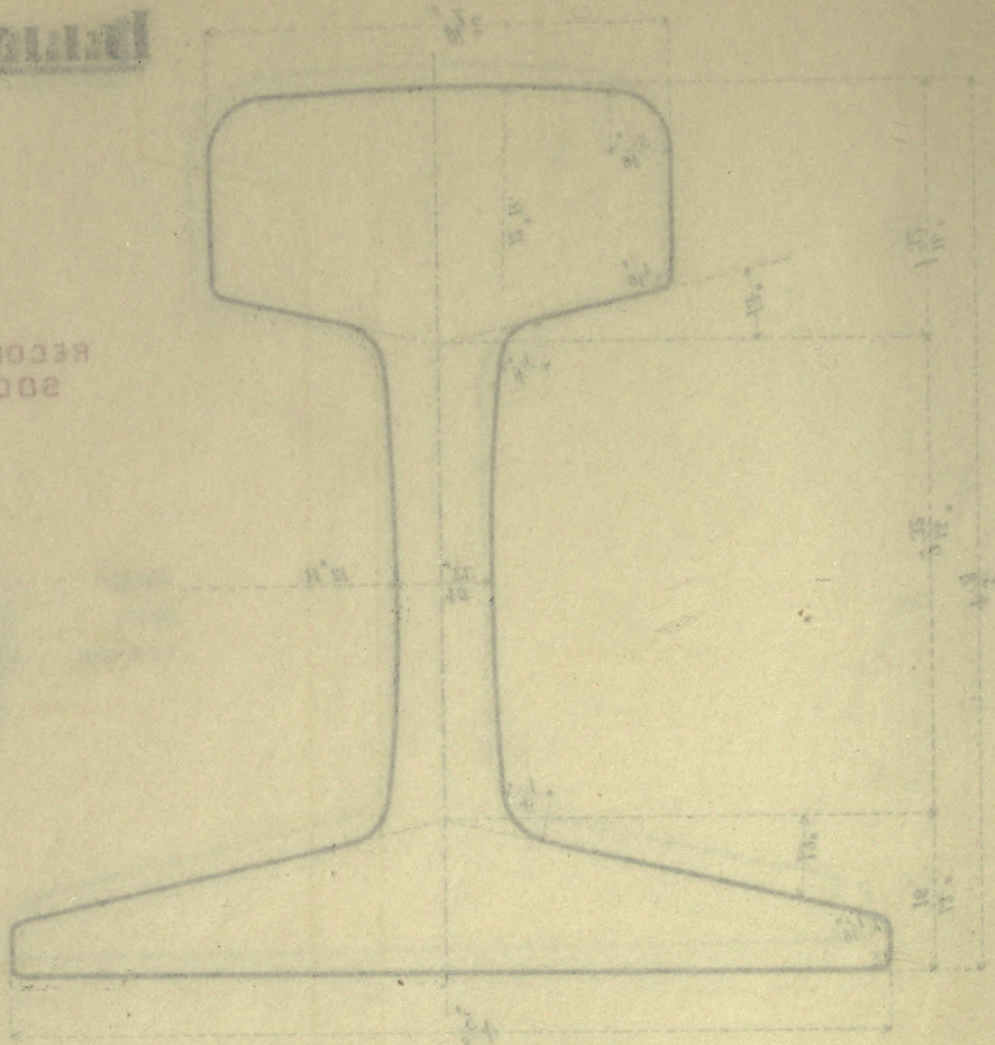
FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

BERNARD STUBBS CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

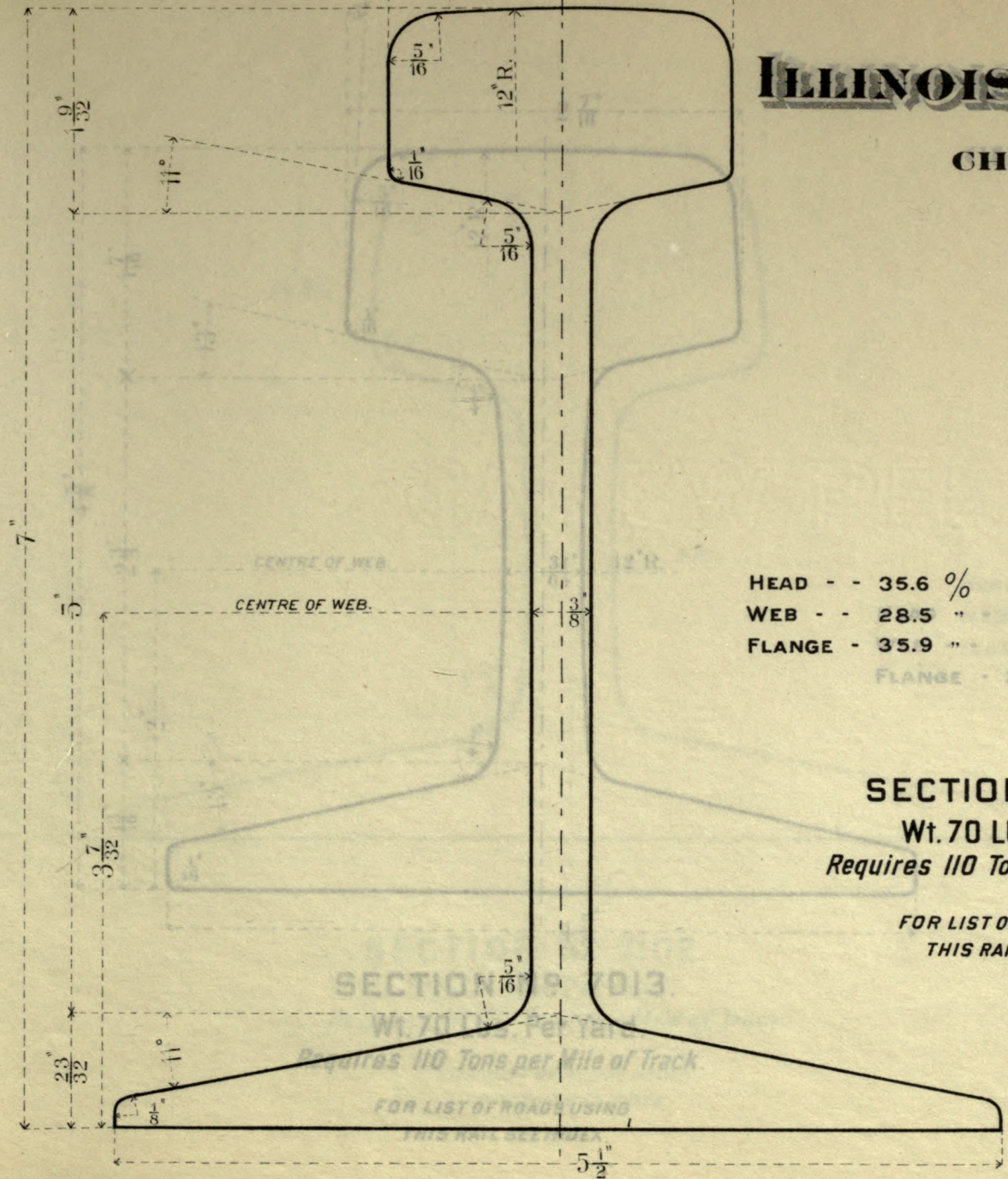
HEAD - - 42%
WEB - - 21"
FLANGE - 37"



SECTION No 7010.
Wt 70 Lbs Per Yard.
Requires 110 tons per Mile of track.
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



| | | | |
|--------|-----|------|------------|
| HEAD | - - | 35.6 | % |
| WEB | - - | 28.5 | " - 44.2 % |
| FLANGE | - - | 35.9 | " - 19.3 |
| FLANGE | - - | 36.5 | " |

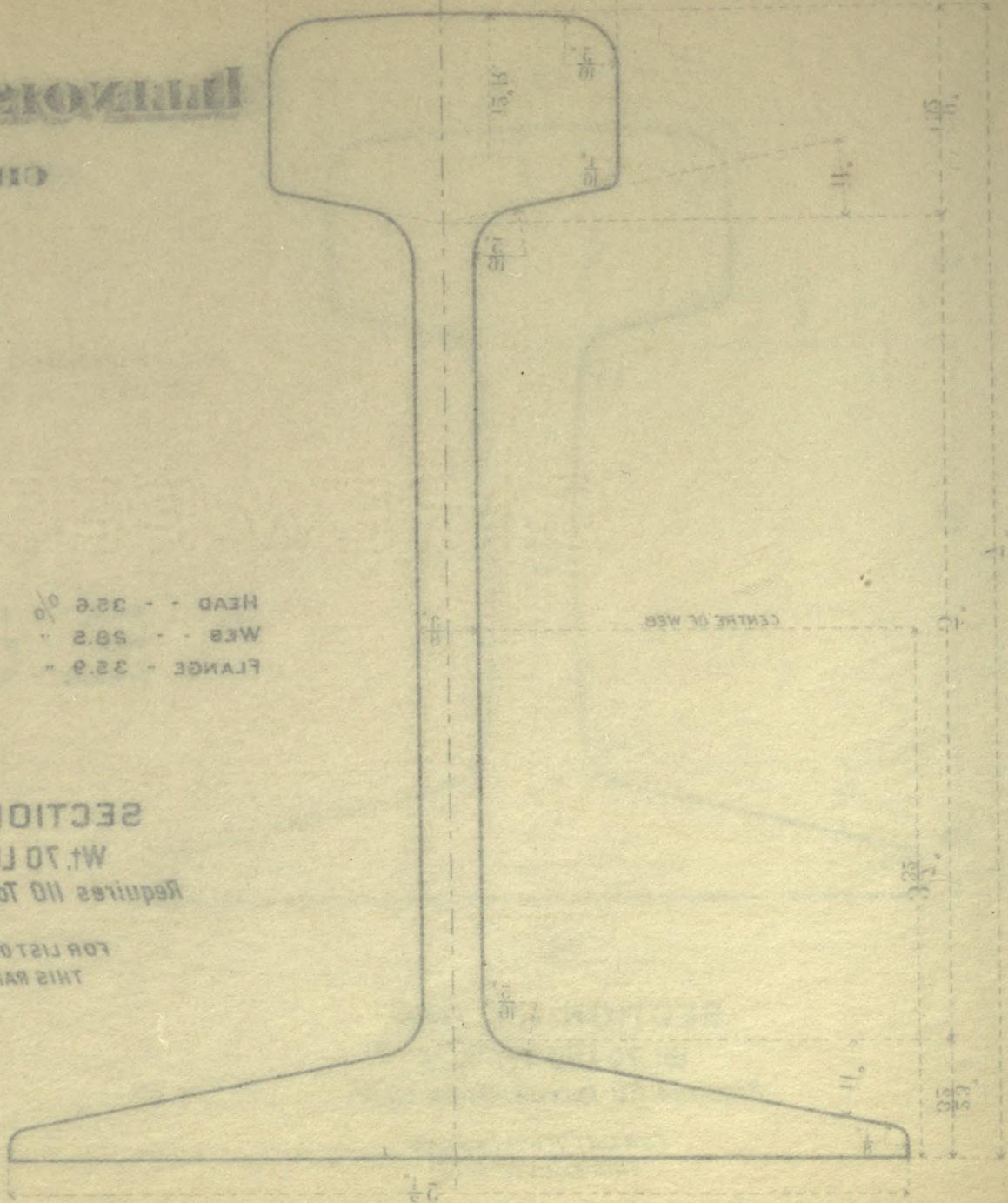
SECTION NO. 7011.

Wt. 70 Lbs. Per Yard.
Requires 110 Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

BRINSON'S STEEL CO.

CHICAGO.



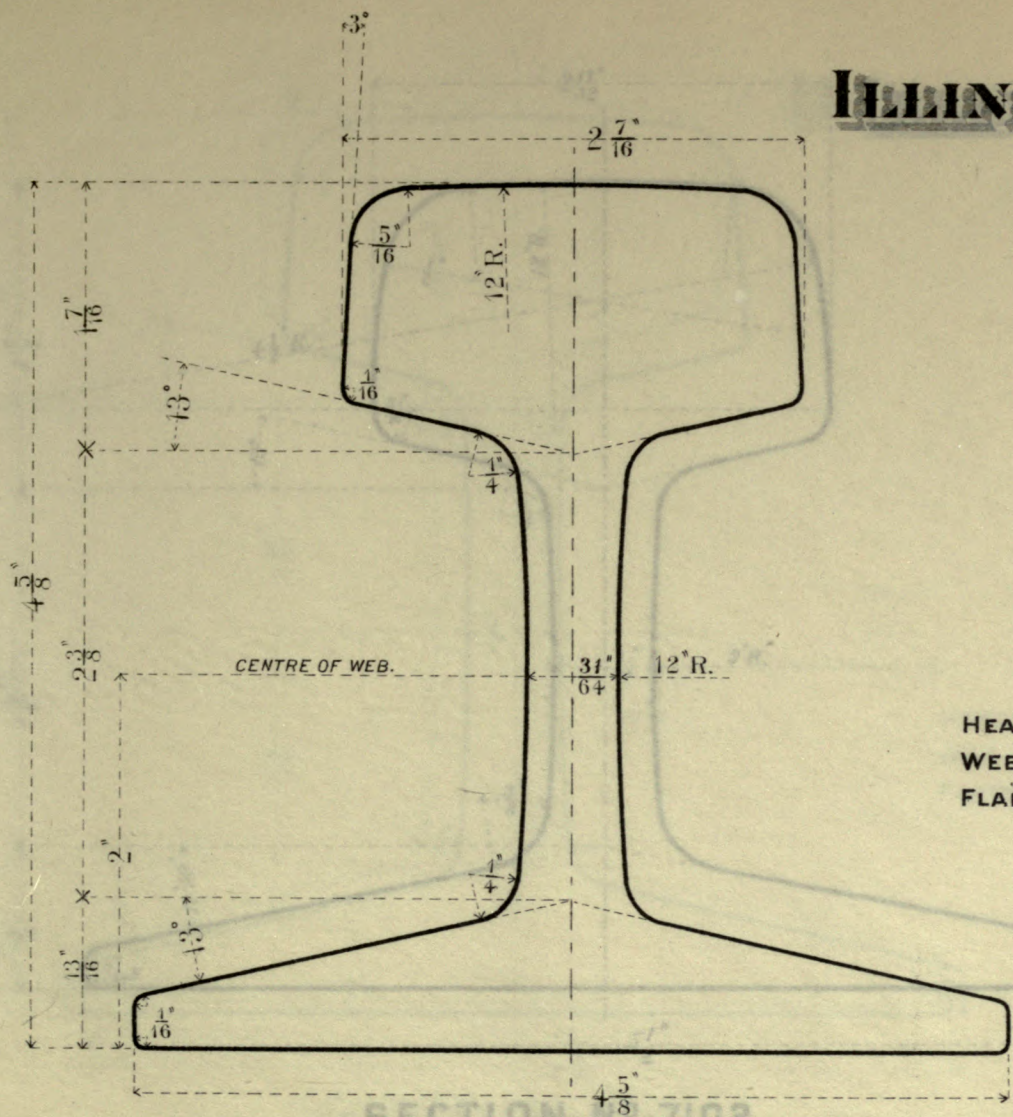
HEAD - - 35.6 %
 WEB - - 28.2 %
 FLANGE - 32.9 %

SECTION No 7011.
 Wt 70 Lbs. Per Yard.
 Requires 110 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - 47 %
 WEB - 19.3 %
 FLANGE - 36.5 %

SECTION N^o 7013.

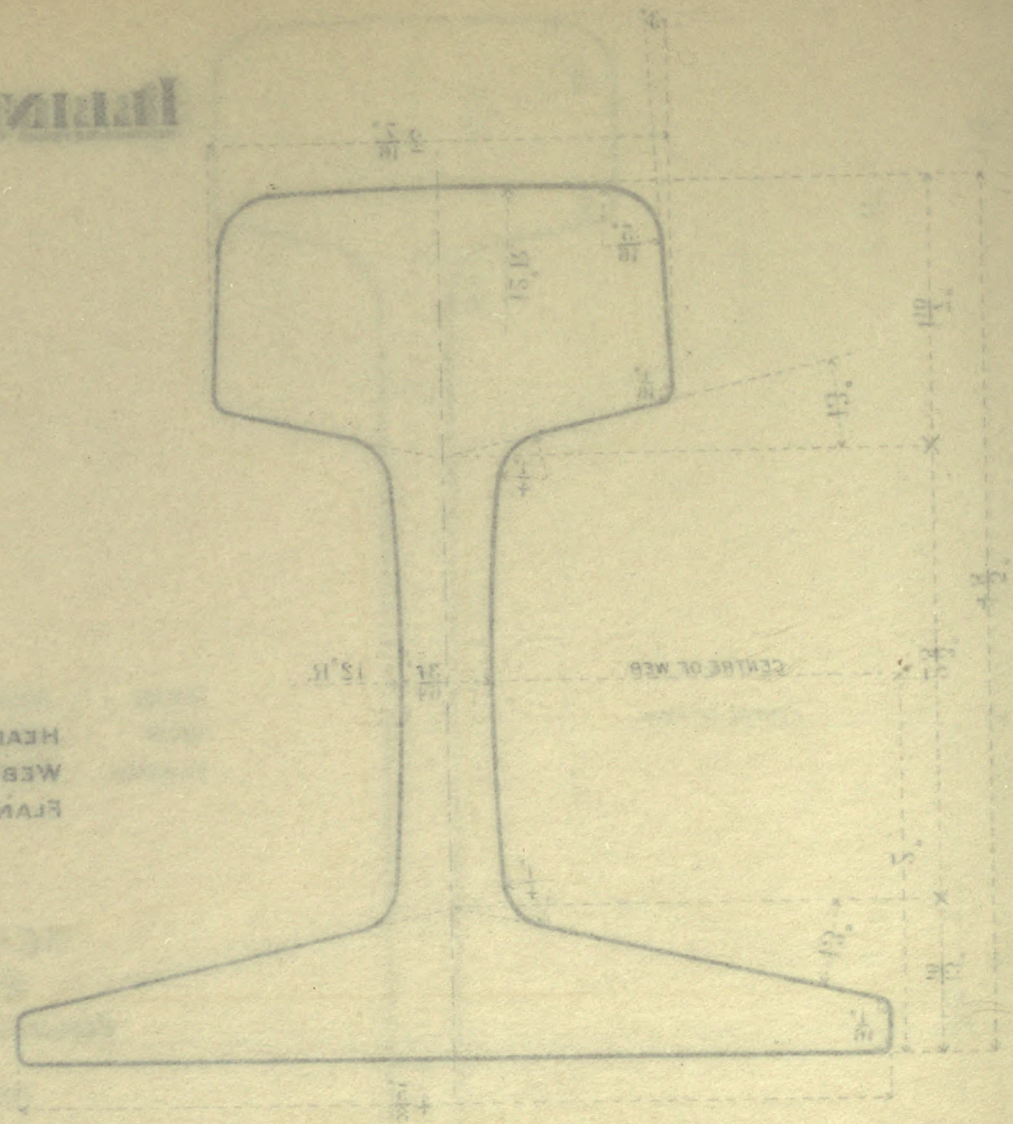
Wt. 70 Lbs. Per Yard.
 Requires 110 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

AMERICAN STEEL CO.

CHICAGO.

HEAD - - 44.5 %
 WEB - - 19.3
 FLANGE - 38.2

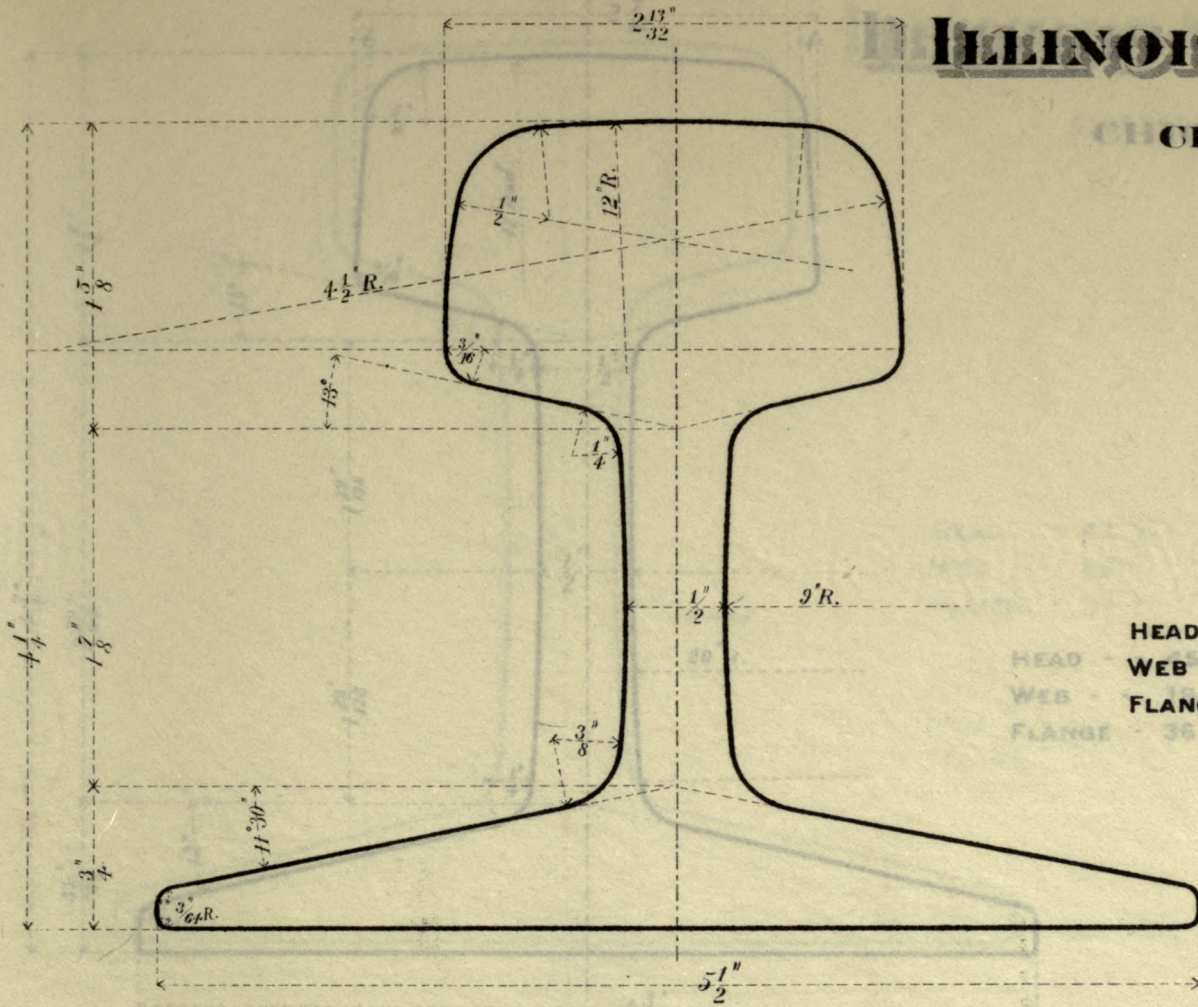


SECTION No 7013
 Wt 70-lbs Per Yard
 Requires 110 tons per Mile of Track

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.



| | | | |
|--------|-----|----|---|
| HEAD | - - | 47 | % |
| WEB | - - | 17 | " |
| FLANGE | - - | 36 | " |

SECTION NO. 7102.

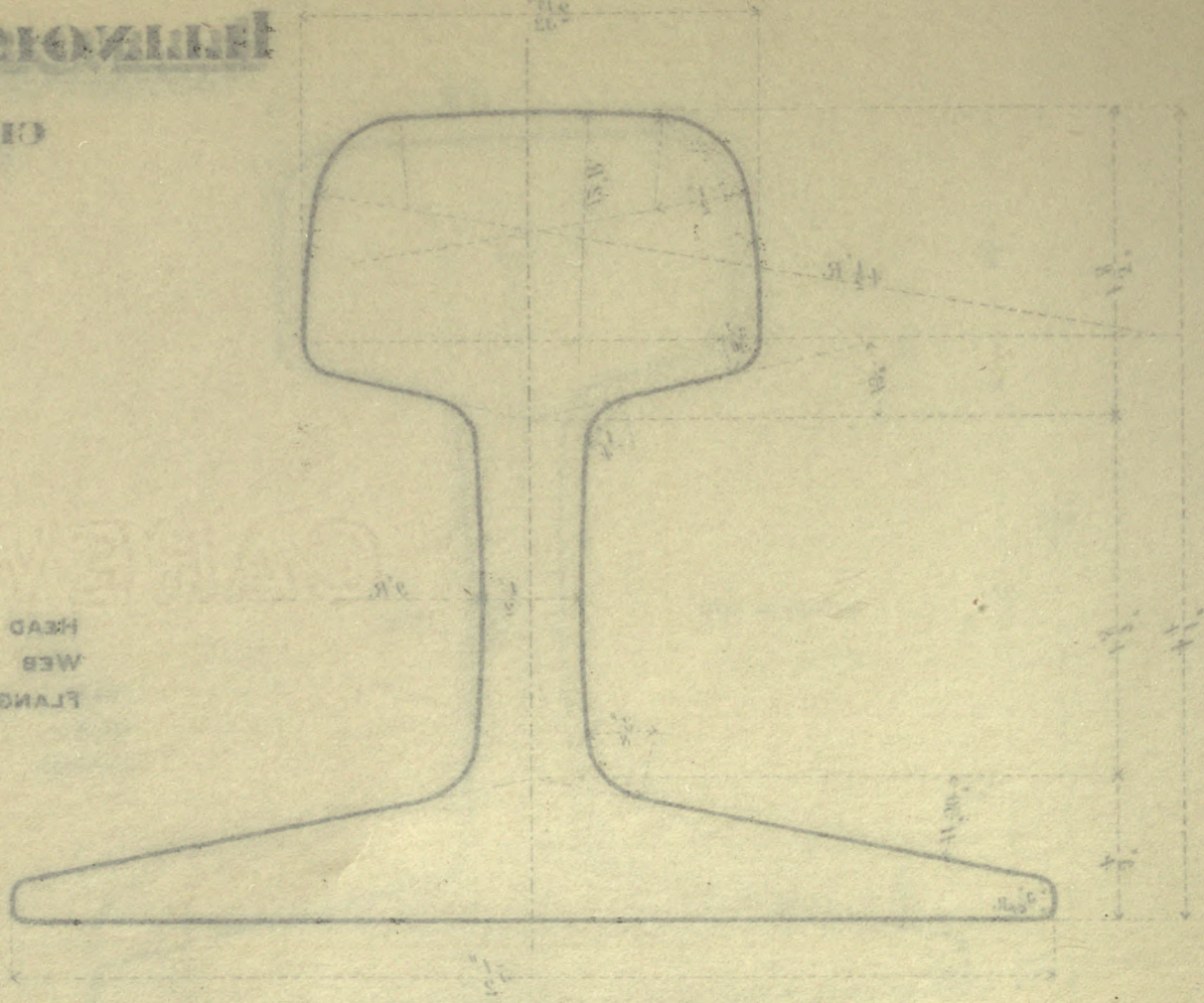
Wt. 71 Lbs. Per Yard.

Requires III $\frac{1280}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

43
PULINOR'S STEEL CO.

CHICAGO.



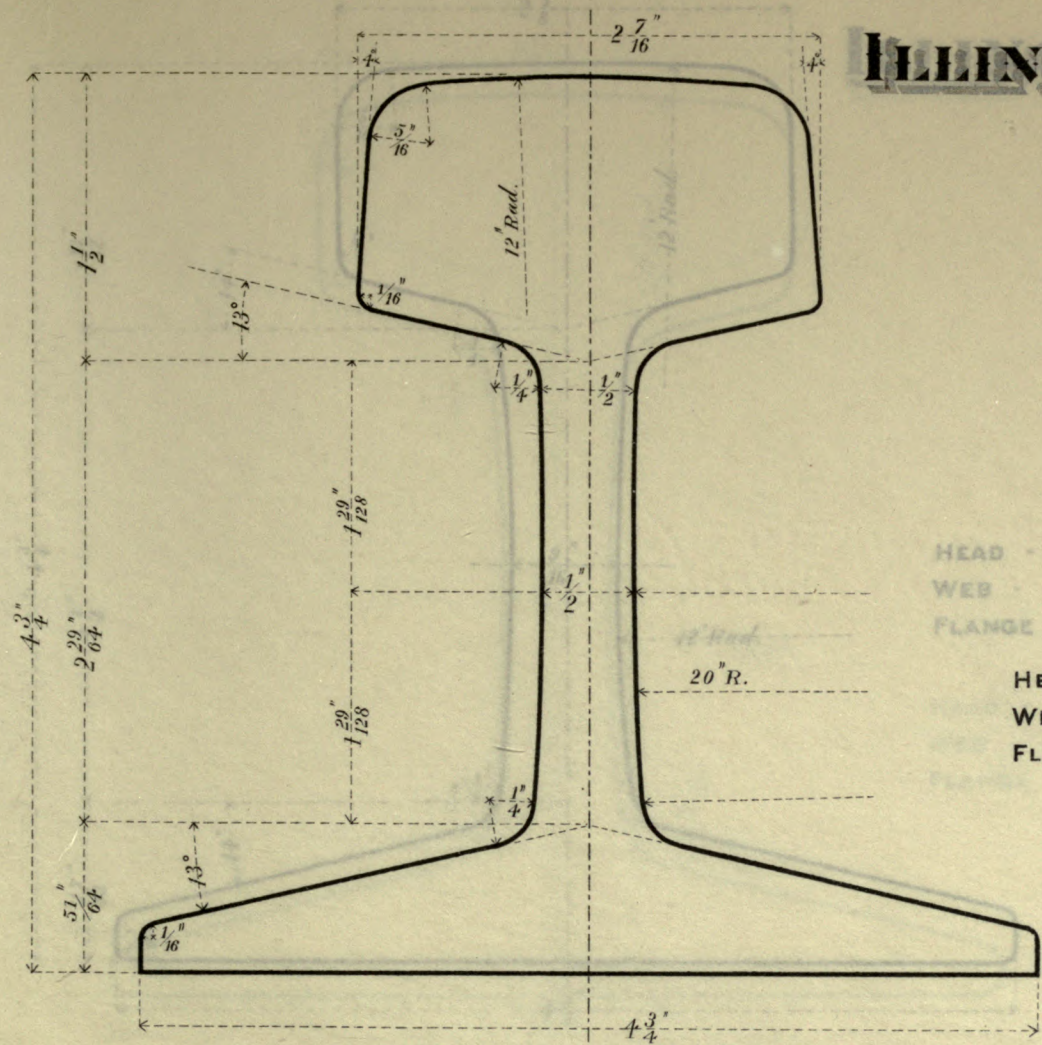
FLANGE - 38 ..
WEB - 17 ..
HEAD - 37 ..
%

SECTION No 7105
Wt. 71 Lbs Per Yard
Requires III 5340 Tons per Mile of Track

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 41 %
 WEB - - 22 "
 FLANGE - 37 "

HEAD - - 45 %
 WEB - - 19 "
 FLANGE - 36 "

SECTION No 7103.

Wt. 71 Lbs. Per Yard.

Requires III $\frac{1230}{2240}$ Tons per Mile of Track.

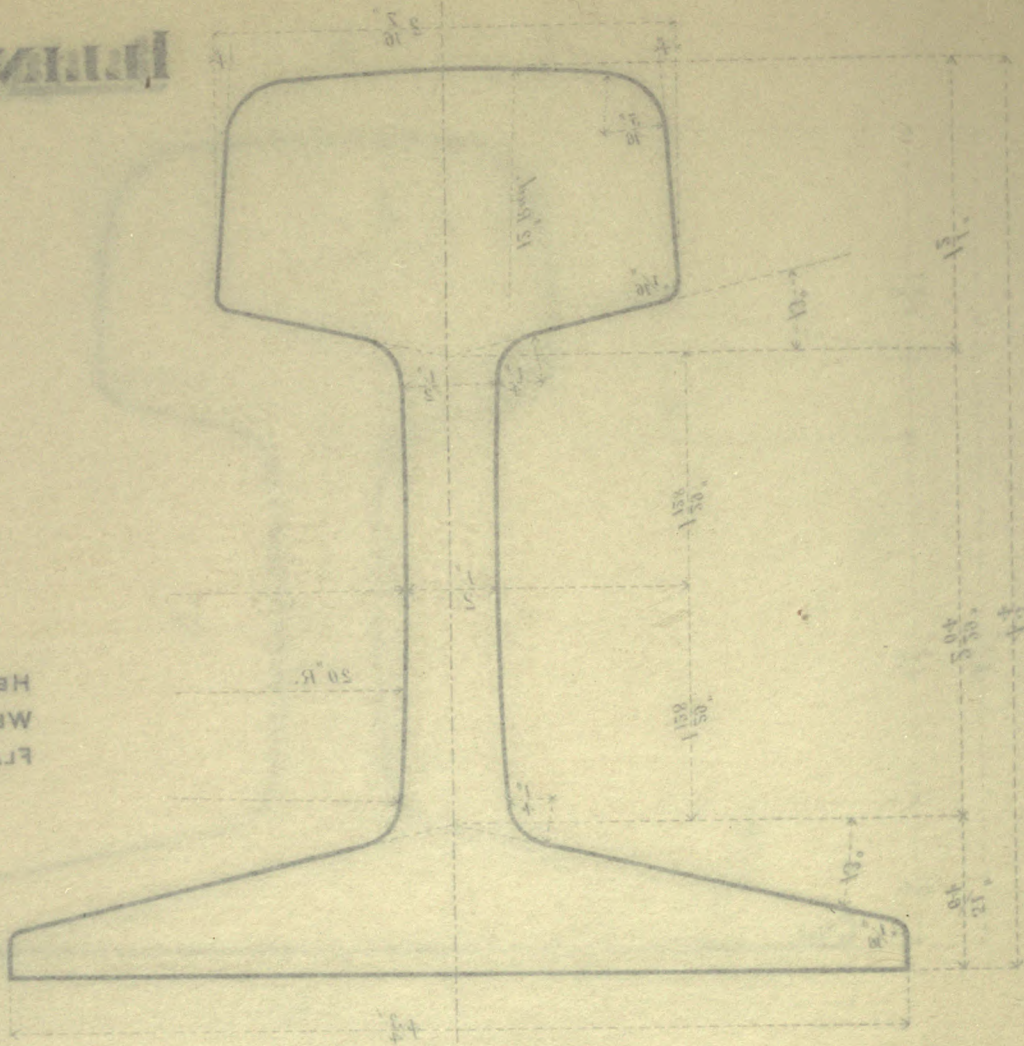
FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

THIS RAIL SECTION.
FOR LIST OF RAILS USING

Requires 111.5310
5.310 Tons per Mile of Track.
Wt. 71 Lbs. per Yard.

SECTION No. 7103.

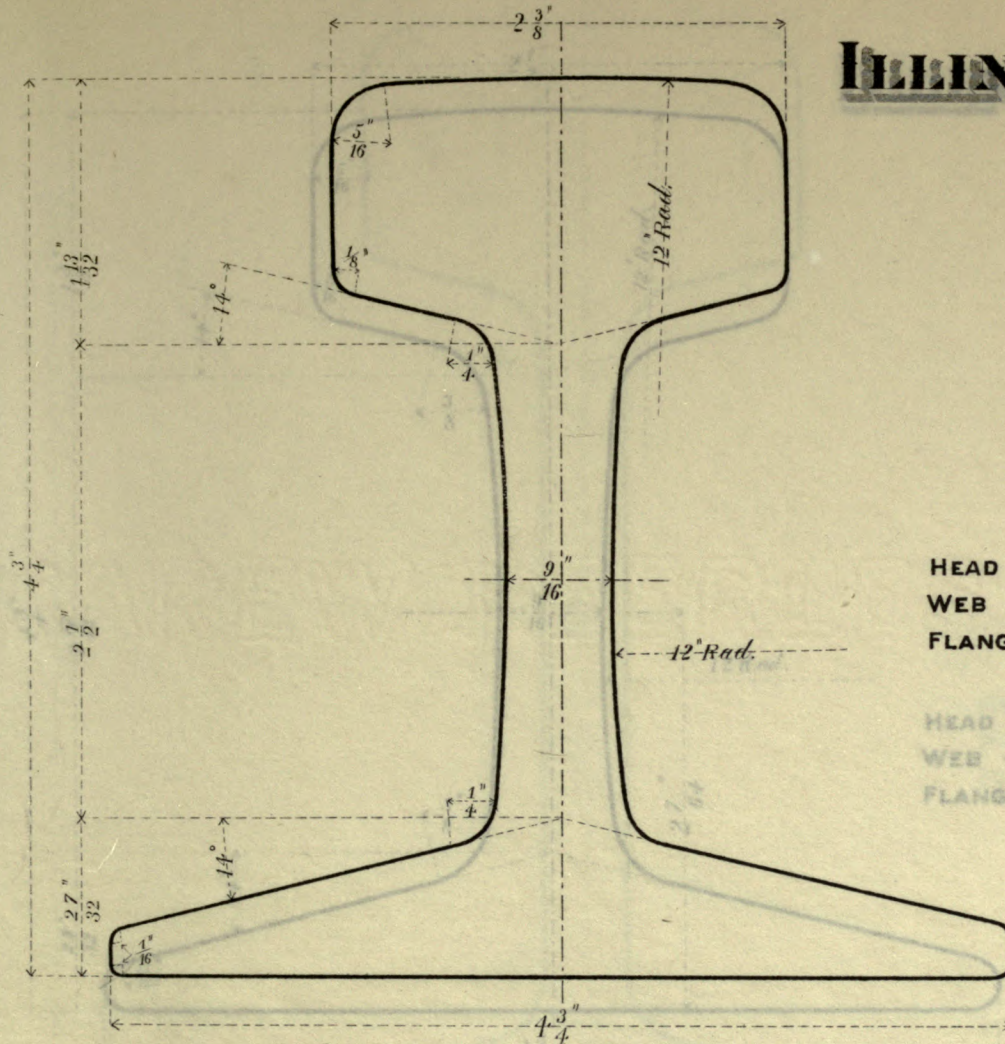
FLANGE - 38 ..
WEB - 19 ..
HEAD - - 42 %



CHICAGO.
HARRISON STEEL CO.
448

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 41 %
 WEB - - 22 "
 FLANGE - 37 "

HEAD - - 41 %
 WEB - - 23 "
 FLANGE - 36 "

SECTION No 7201.

Wt. 72 Lbs. Per Yard.

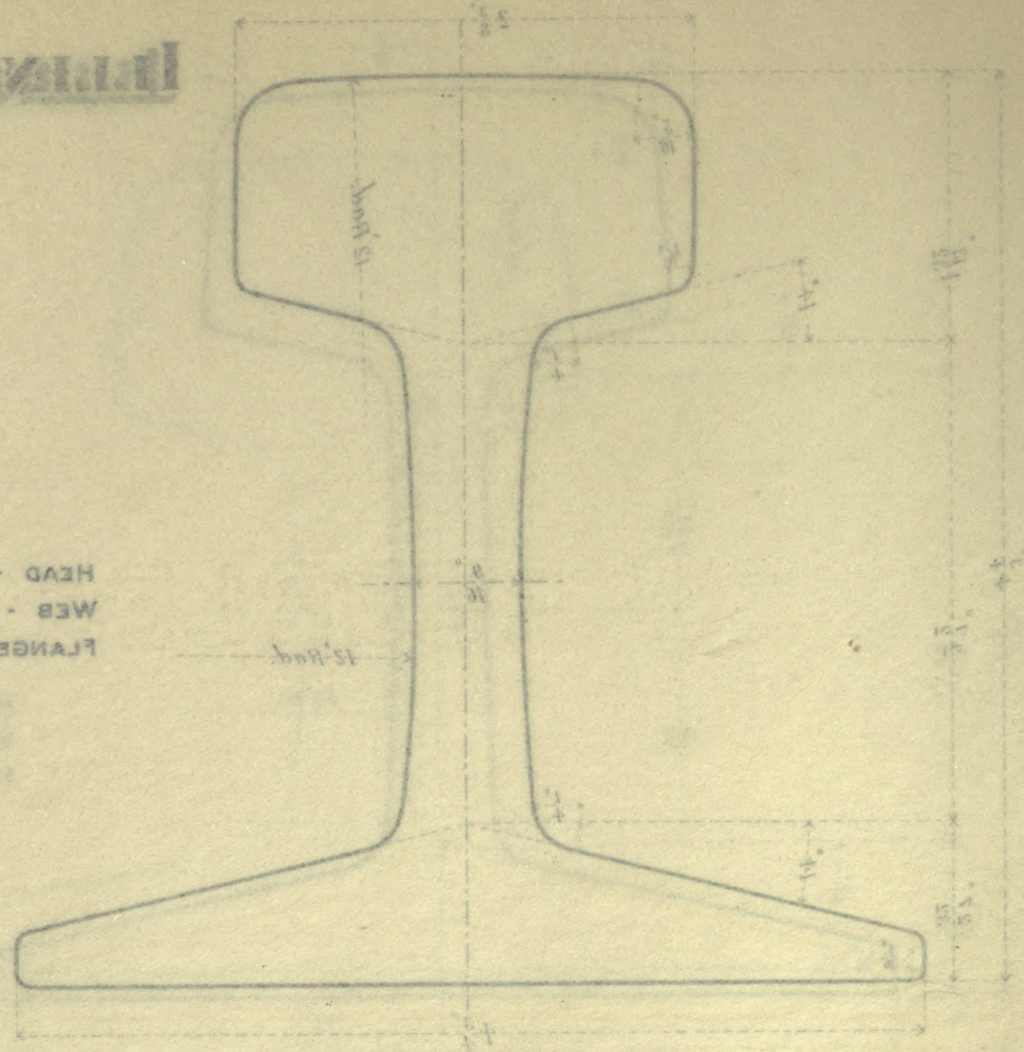
Requires $113 \frac{320}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

BRIDGES STEEL CO

CHICAGO.

HEAD - - 41 0/16
 WEB - - 55 ..
 FLANGE - 37 ..

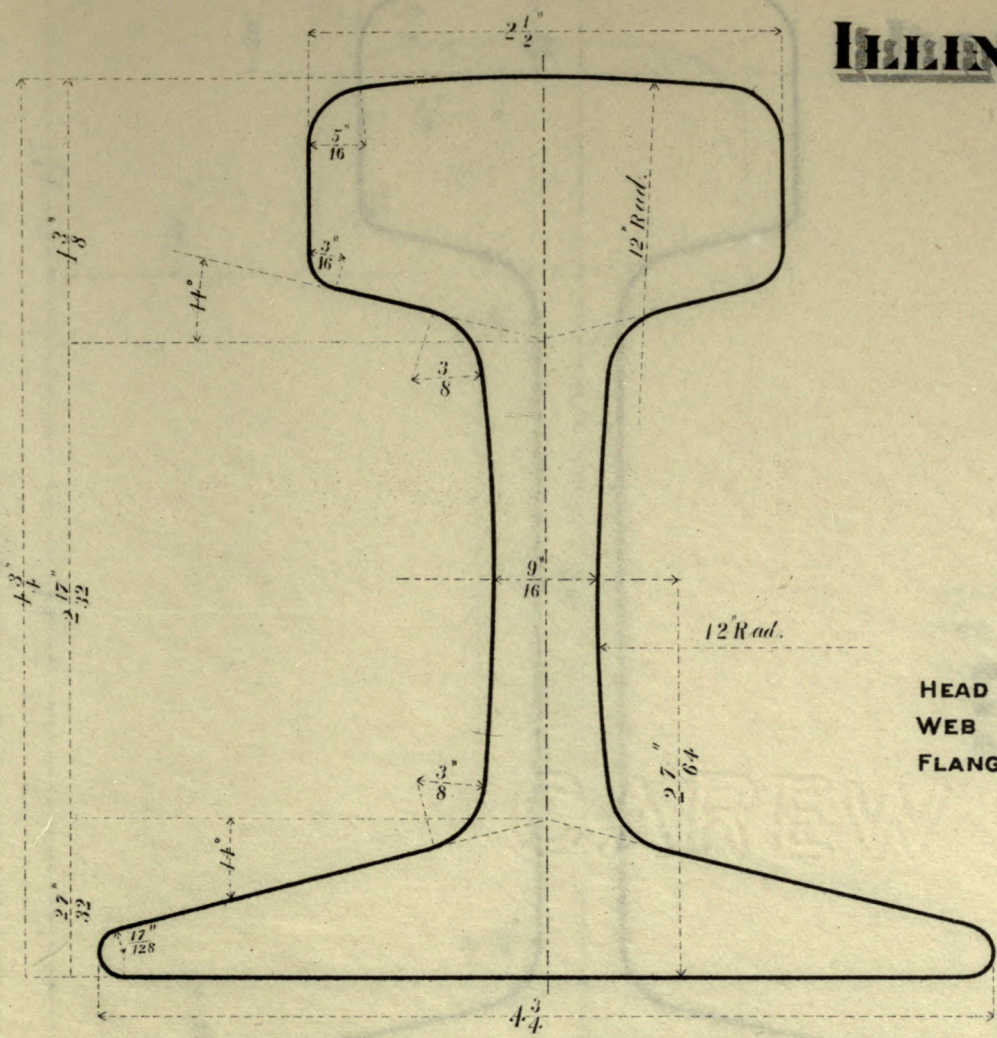


SECTION No 7501
 Wt 75 Lbs Per Yard
 Requires 113 250/2540 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO, O.



| | | | |
|--------|-----|----|---|
| HEAD | - - | 41 | % |
| WEB | - - | 23 | " |
| FLANGE | - | 36 | " |

SECTION N^o 7202.

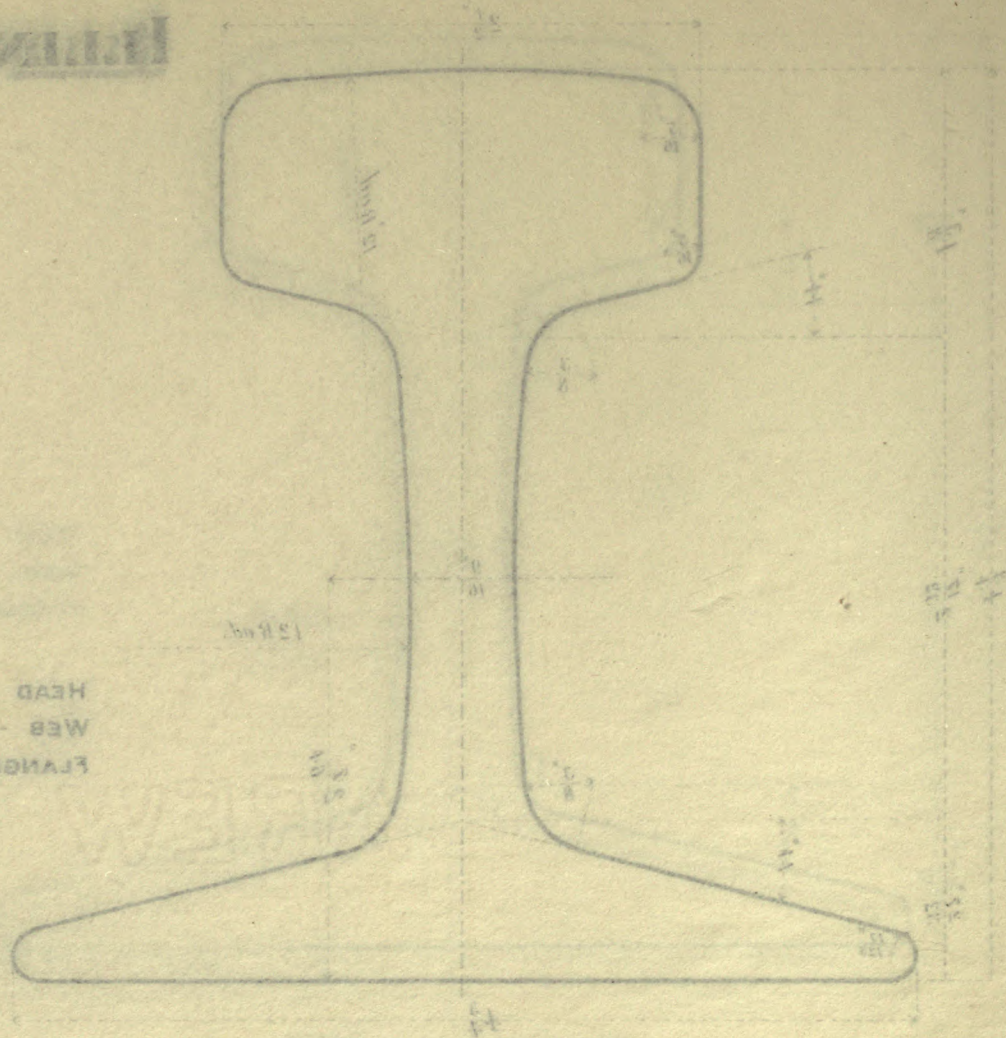
Wt. 72 Lbs. Per Yard.

Requires 113 ³²⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

Wt. 72 Lbs. Per Yard
Requires 113 ³²⁰/₂₂₄₀ Tons per Mile of Track

BRIDGES STEEL CO.
CHICAGO.



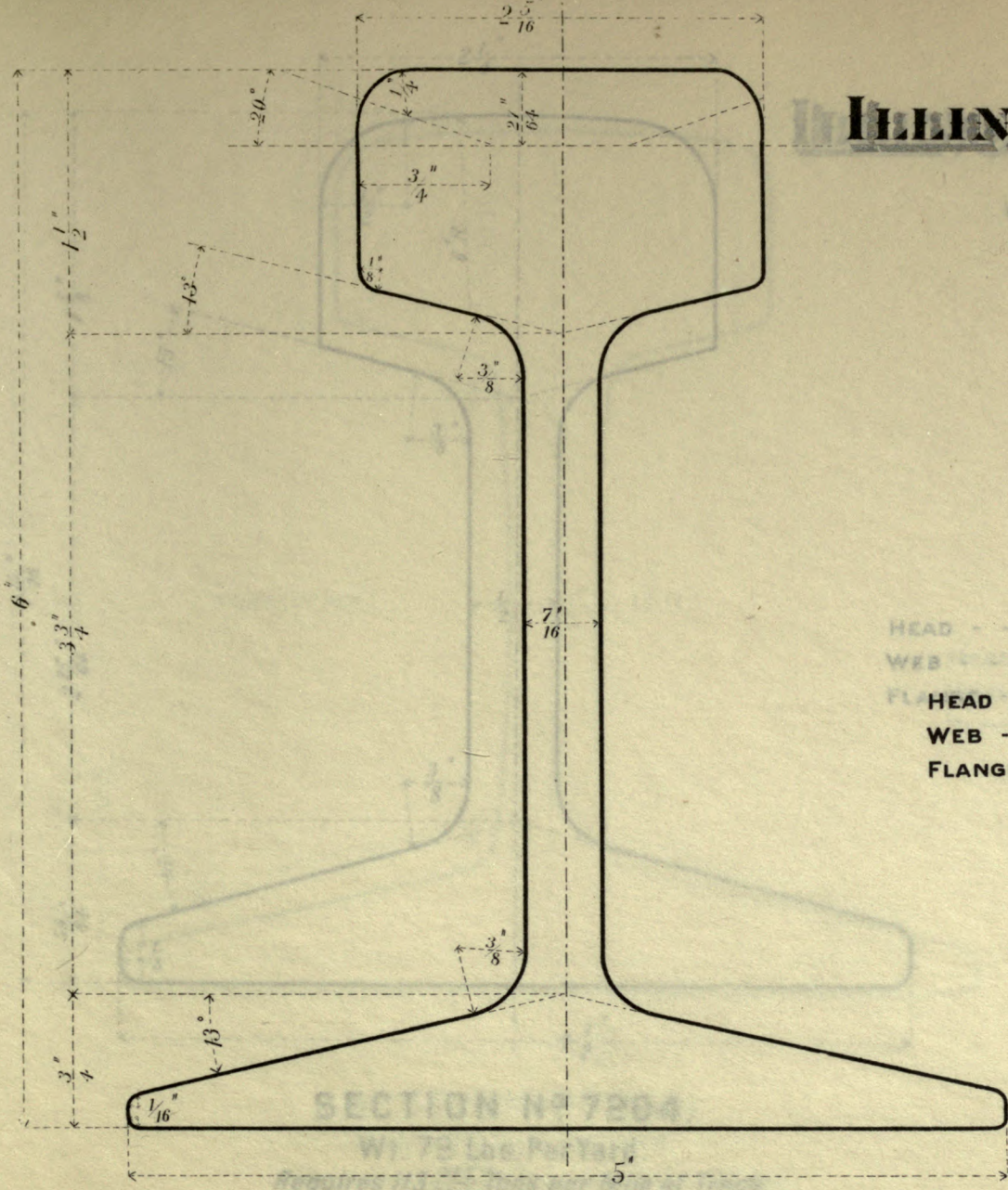
| | | | | |
|--------|---|---|----|----|
| HEAD | - | - | 41 | % |
| WEB | - | - | 53 | .. |
| FLANGE | - | - | 36 | .. |

SECTION No 7505.
 Wt. 75 Lbs Per Yard.
 Requires 113 250/3200 Tons per Mile of Track

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.



| | | |
|------|--------|----------|
| HEAD | - - | 44 % |
| WEB | - - | 16 |
| FL | HEAD | - - 44 % |
| | WEB | - - 24 " |
| | FLANGE | - 32 " |

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

SECTION N^o 7203
 Wt. 72 Lbs. Per Yard

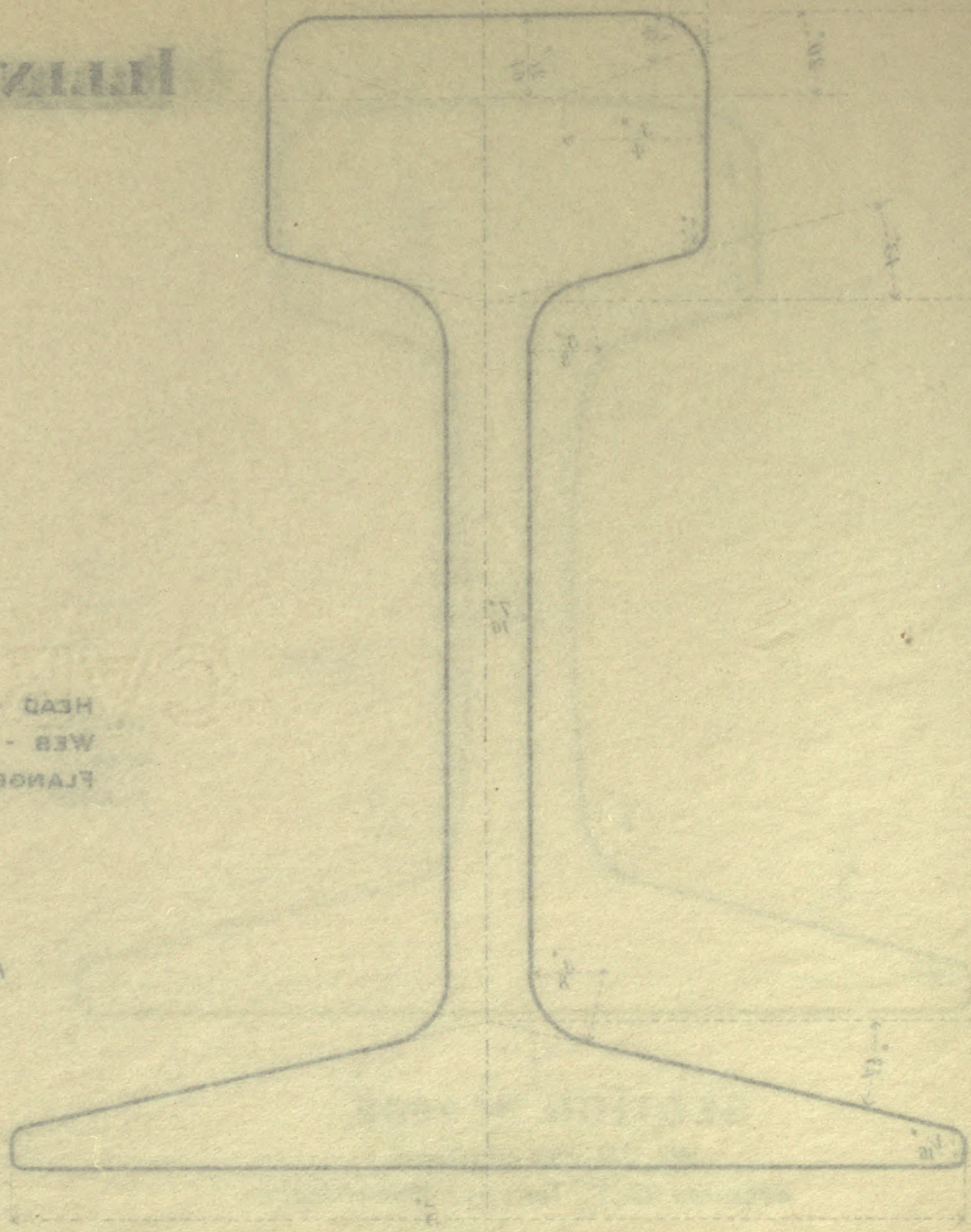
SECTION N^o 7203.

Wt. 72 Lbs. Per Yard.

Requires 113 $\frac{320}{2240}$ Tons per Mile of Track.

WALTON STEEL CO.

CHICAGO.



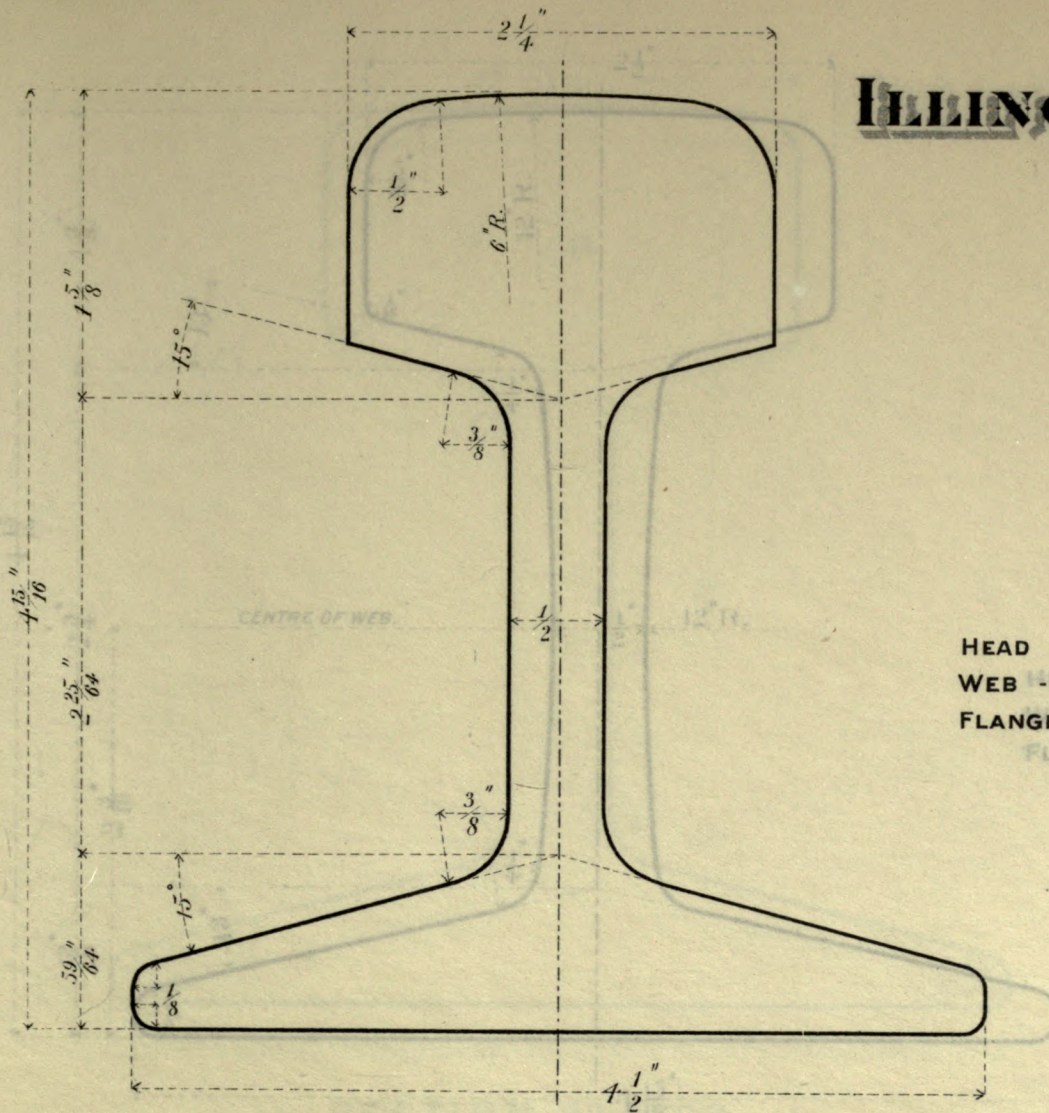
HEAD - - 44 %
 WEB - - 24 "
 FLANGE - 35 "

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX.

SECTION No 7503.
 Wt 75 Lbs Per Yard.
 Because 112 3/4 Tons per Mile of Track

ILLINOIS STEEL CO.

CHICAGO.



SECTION NO 7204.

Wt. 72 Lbs. Per Yard.

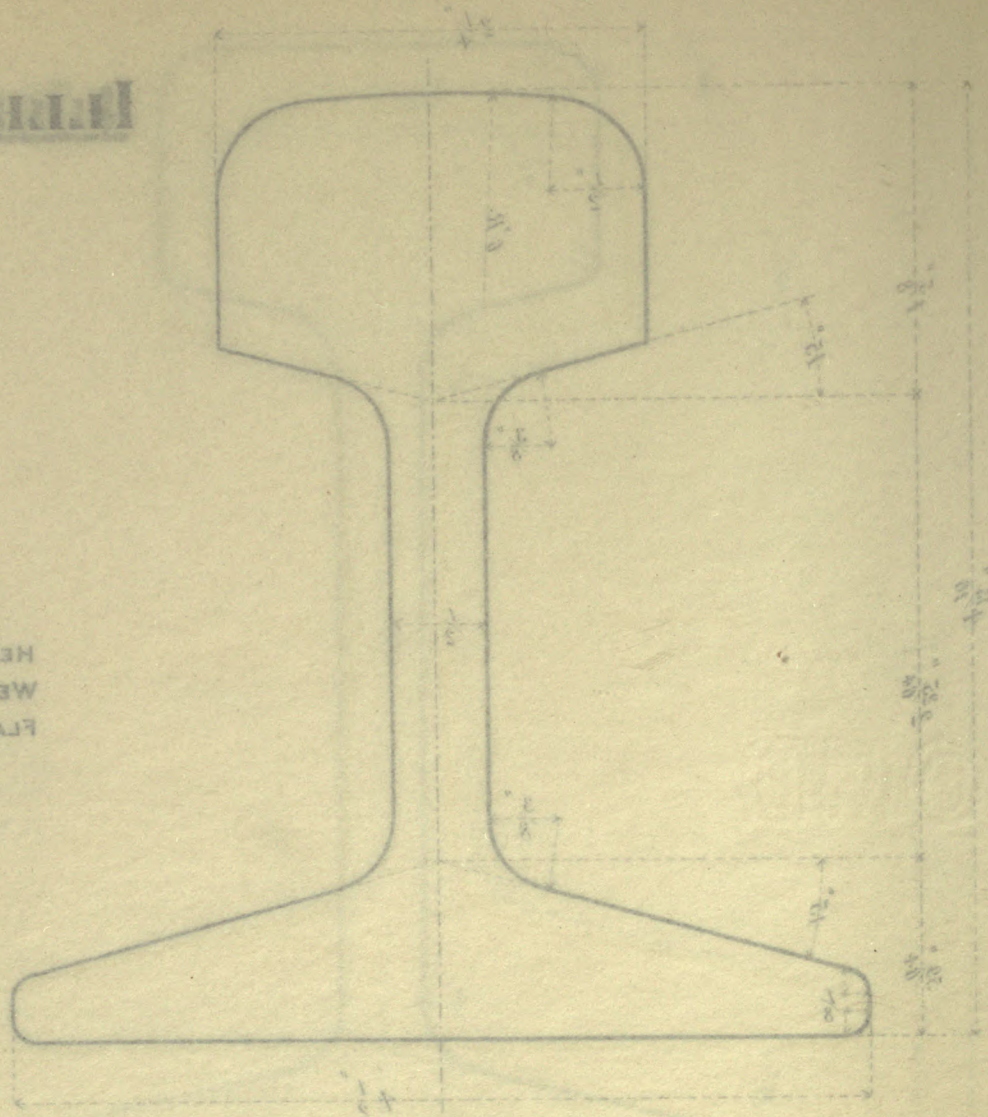
Requires 113 $\frac{320}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

ALLEN'S STEEL CO.

CHICAGO

HEAD - - 44 %
 WEB - - 18 "
 FLANGE - 38 "



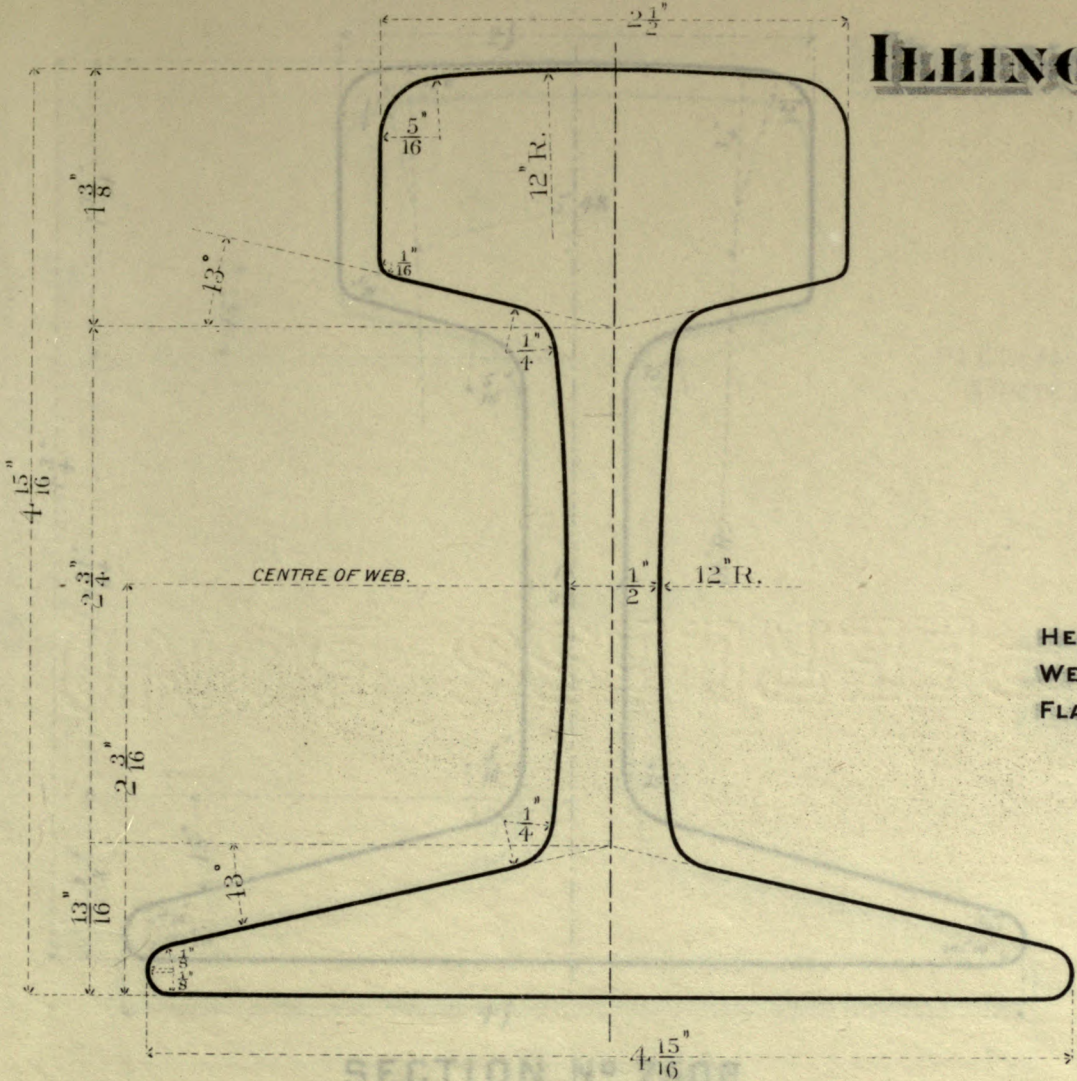
SECTION No 7504

Wt. 75 lbs. per Yard.
 Requires 113 7/8 Tons per Mile of Track.

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 41 %
 WEB - - 23 "
 FLANGE - 36 "

SECTION N^o 7301.

Wt. 73 Lbs. Per Yard.

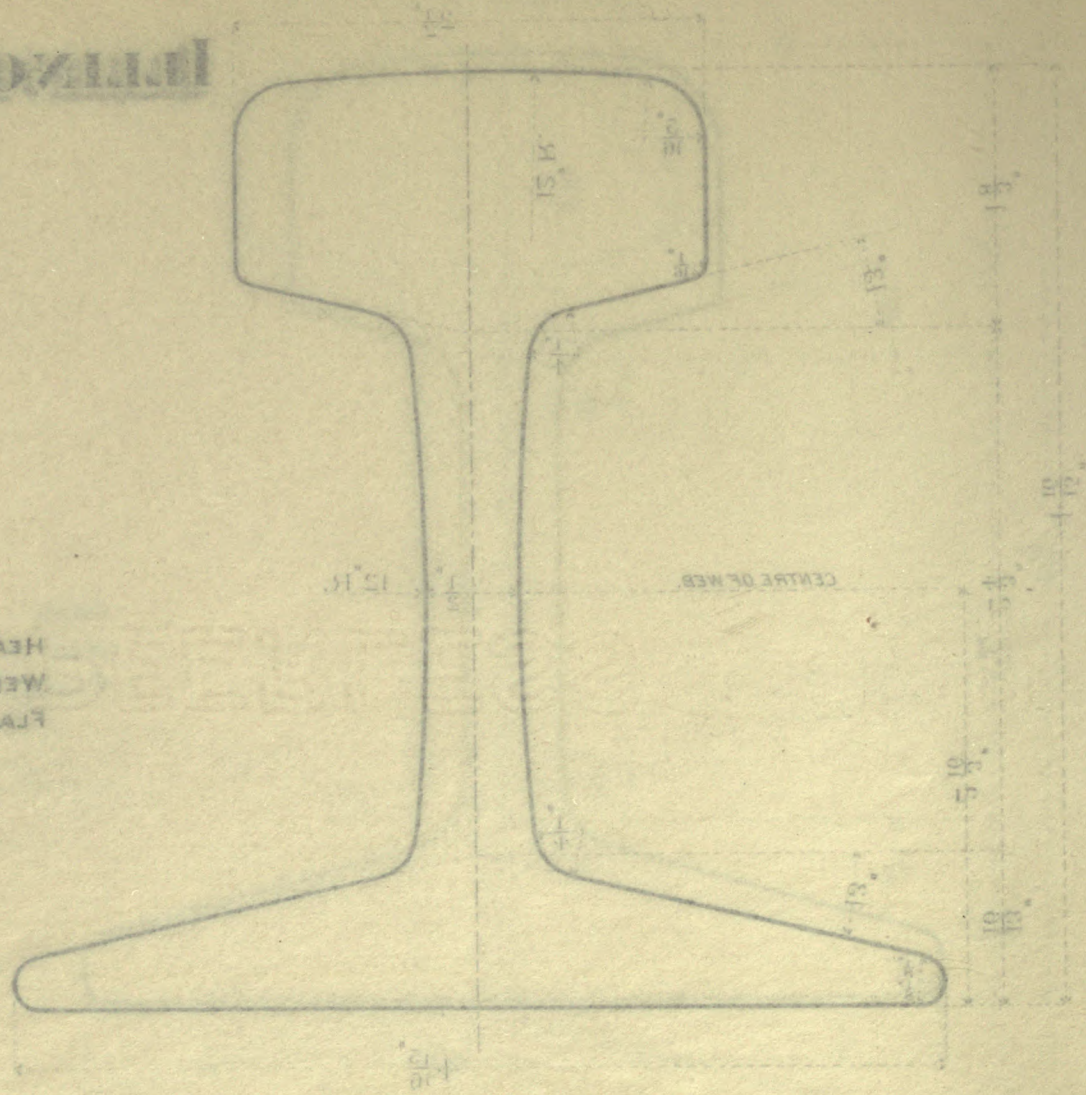
Requires $114 \frac{1600}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

WALKER STEEL CO.

CHICAGO.

| | | | |
|--------|---|----|------|
| HEAD | - | 41 | 1/8" |
| WEB | - | 53 | " |
| FLANGE | - | 36 | " |



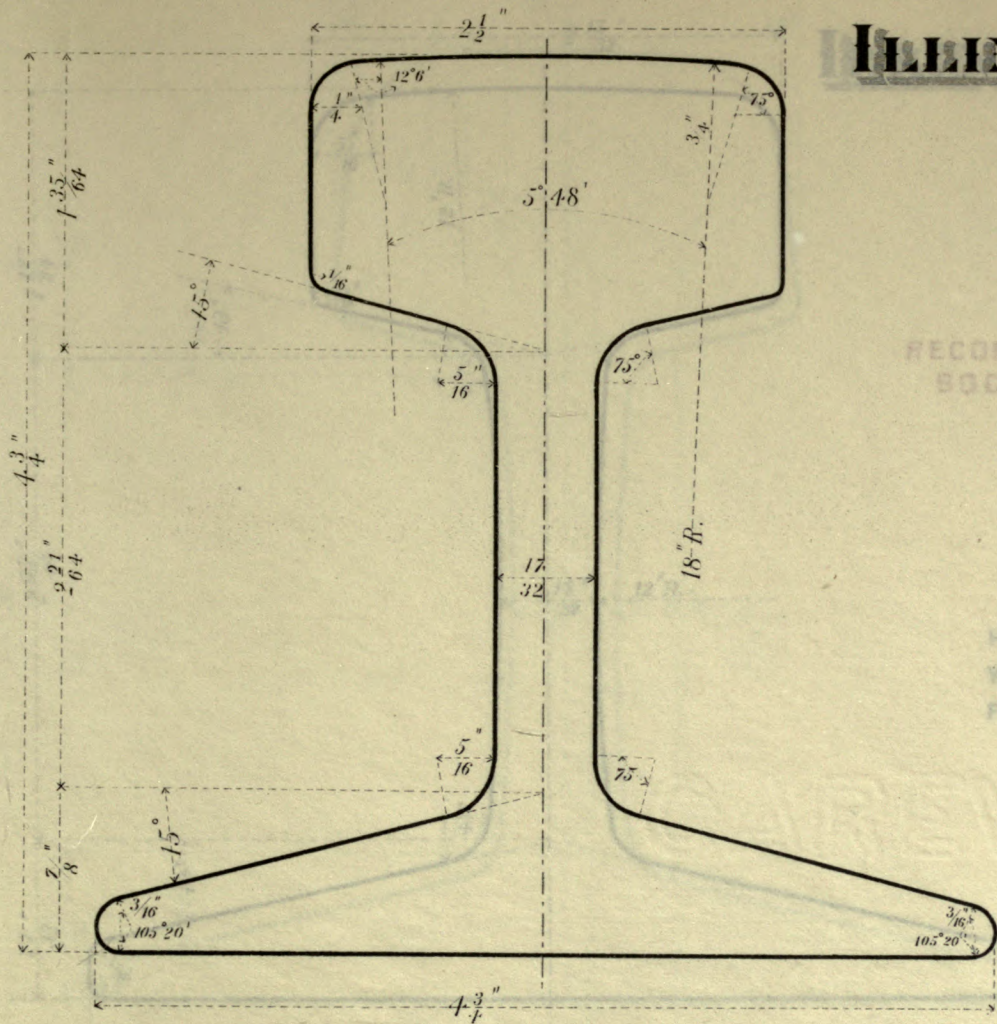
SECTION No 7301.
 Wt 73 lbs Per Yard.
 Requires 114 1/2 Tons per Mile of Track.

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



HEAD - - 46 %
 WEB - - 18 ..
 FLANGE - 36 ..

SECTION N^o 7502.

Wt. 75 Lbs. Per Yard.

Requires 117 ¹⁹²⁰/₂₂₄₀ Tons per Mile of Track.

Requires 117 ¹⁹²⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING

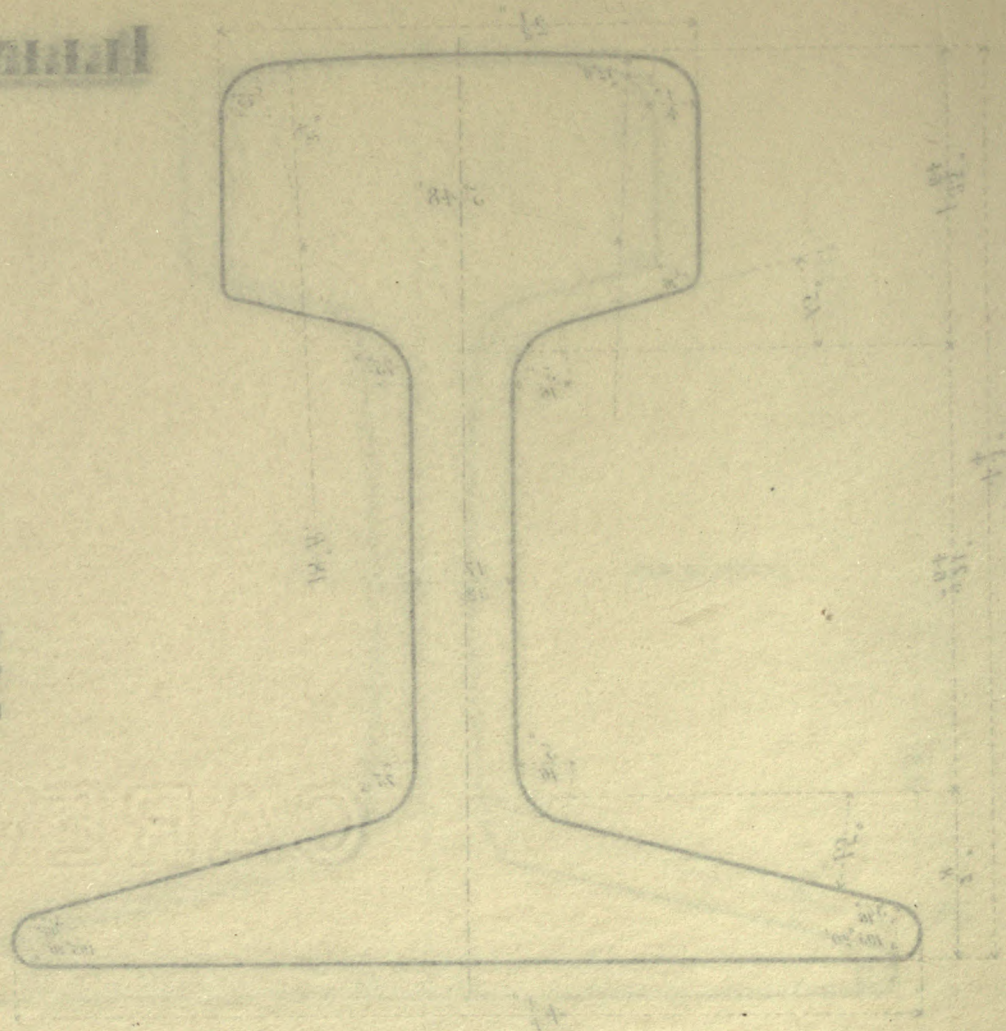
THIS RAIL SEE INDEX.

THIS RAIL SEE INDEX.

HEINZ'S STEEL CO.

CHICAGO.

HEAD - - 48 %
 WEB - - 18 ..
 FLANGE - 36 ..



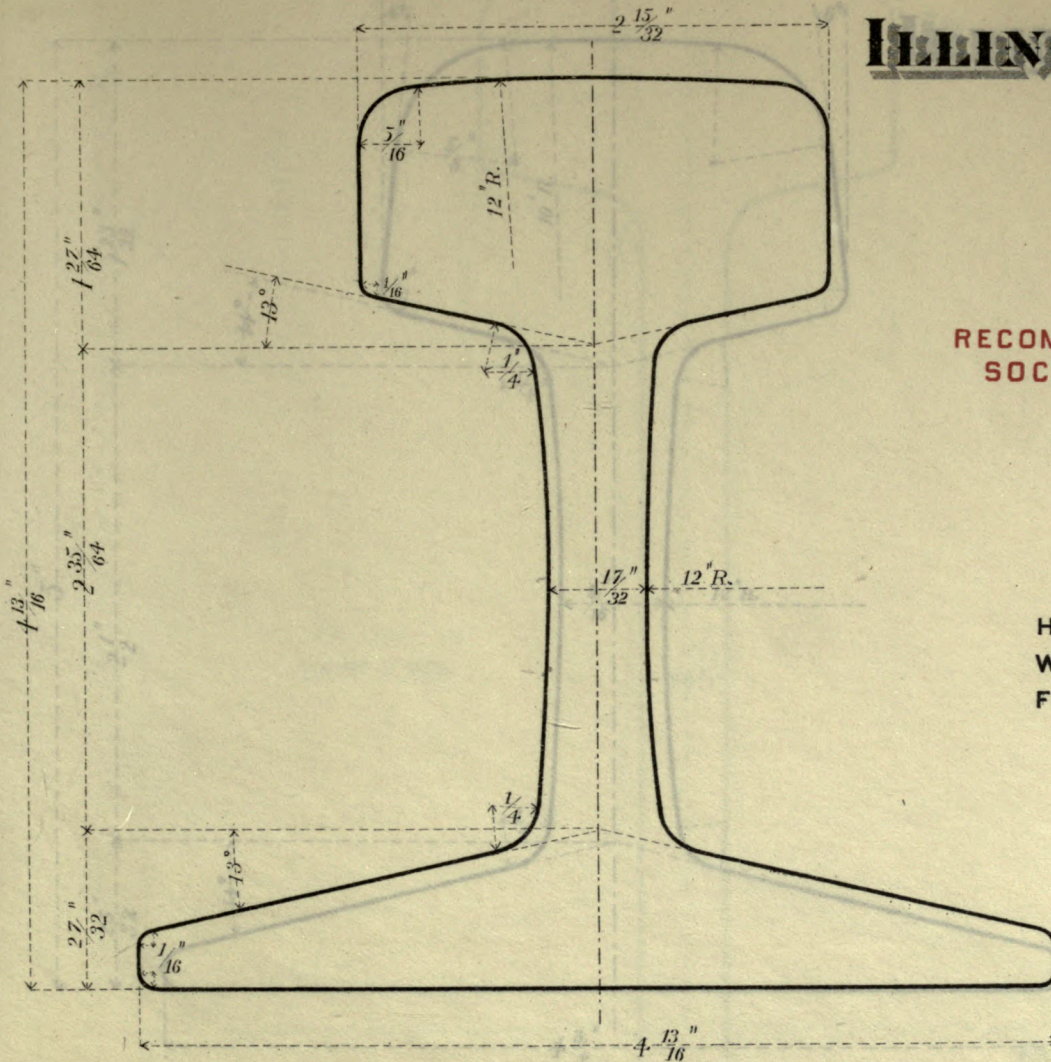
SECTION No 7205.
 Wt 75 Lbs Per Yard
 Requires 117 LBS
 3240 Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



HEAD - - 42 %
 WEB - - 21 %
 FLANGE - 37 %
 FLANGE - 31 %

SECTION N^o 7506.

Wt. 75 Lbs. Per Yard.

Requires 117 $\frac{1920}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

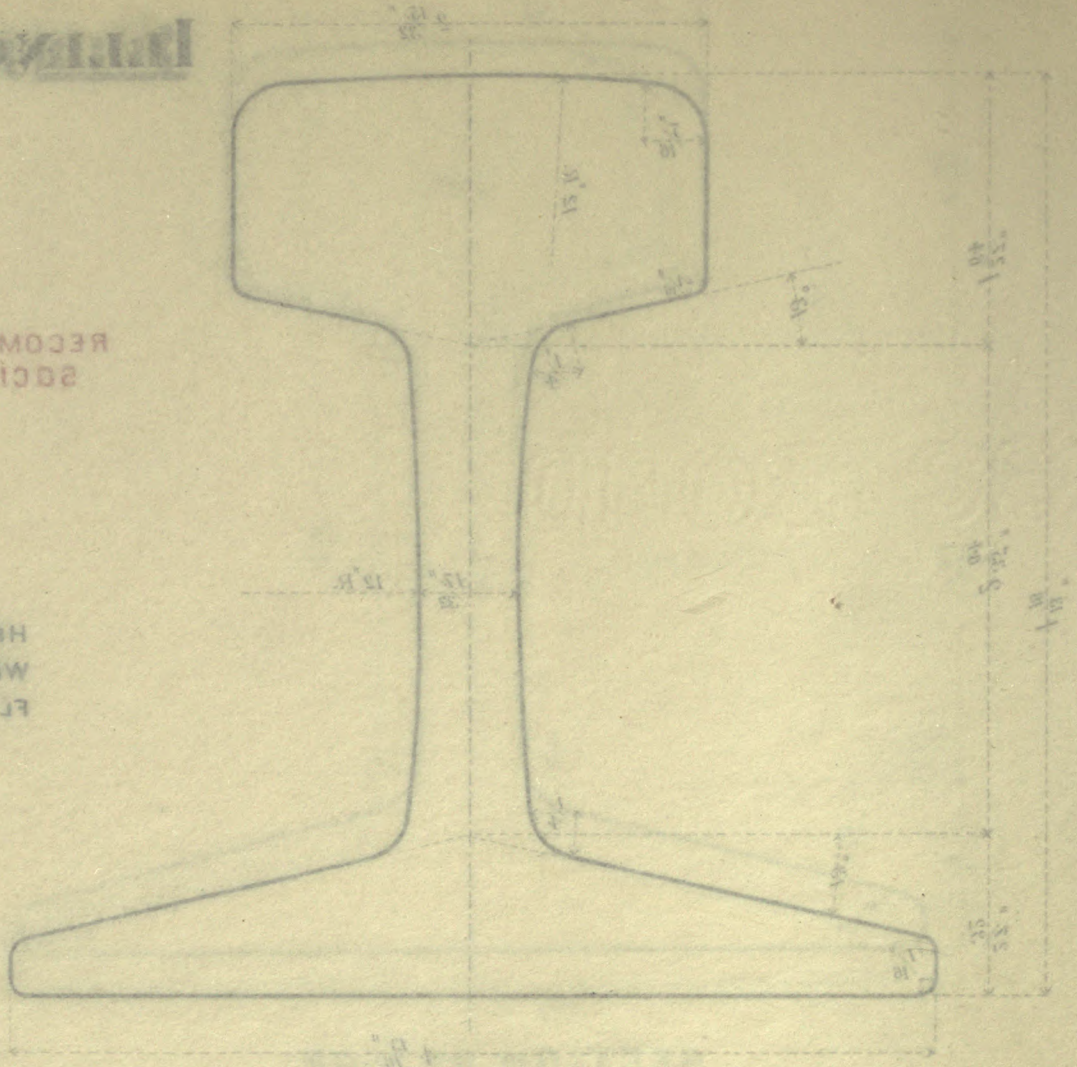
118
 59
 177

MILNERS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - 45%
WEB - 51"
FLANGE - 37"

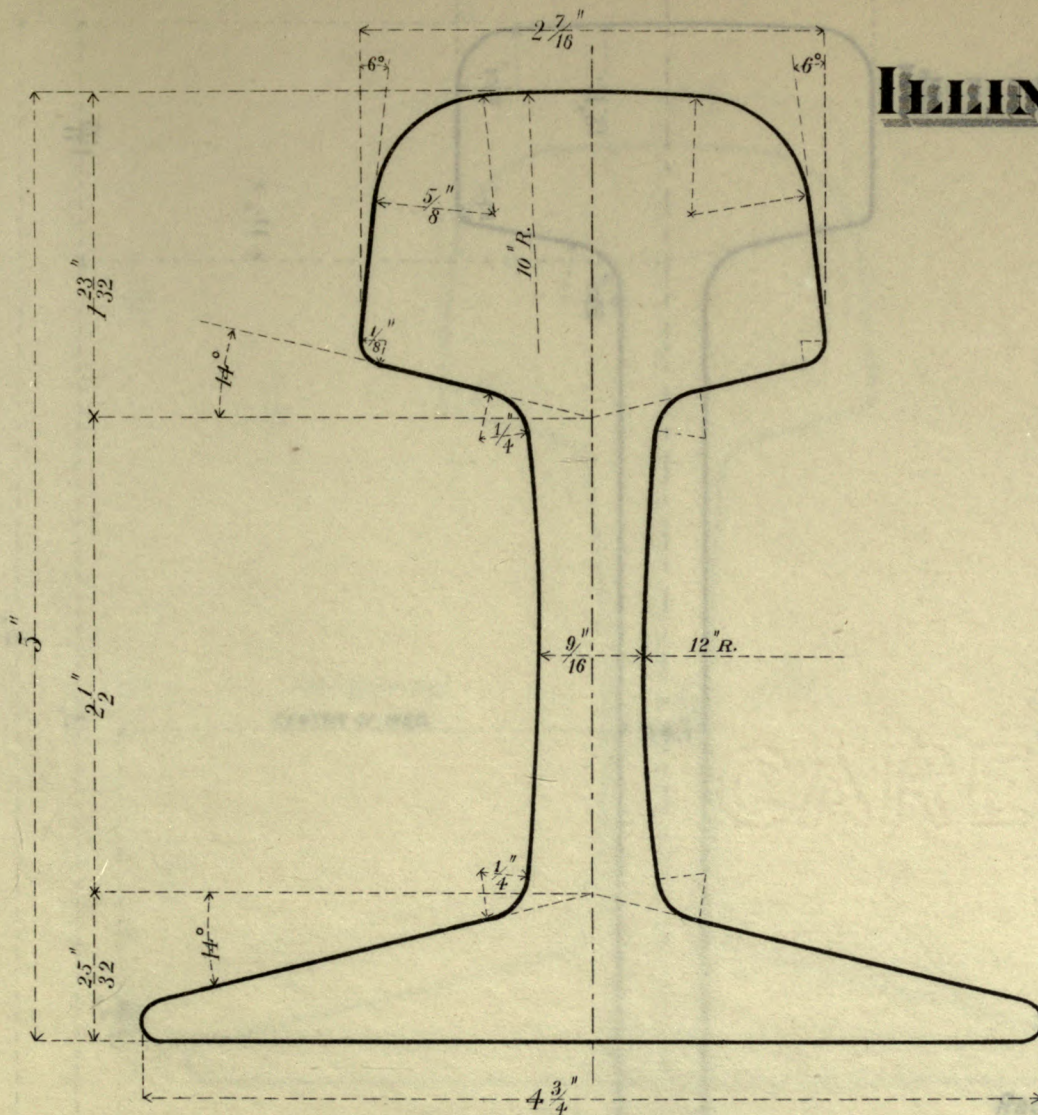


12 1/2
12 1/2

THIS RAIL SEE INDEX.
FOR LIST OF RAILS USING
Requires 117 ¹³²⁰/₃₅₄₀ Tons per Mile of Track.
Wt. 75 Lbs. per Yard.
SECTION No 720B.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 48 %
 WEB - - 21 "
 FLANGE - 31 "

SECTION N^o 7507.

Wt. 75 Lbs. Per Yard.

Requires 117 ¹⁹²⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

SECTION N^o 7508.

Wt. 75 Lbs. Per Yard.

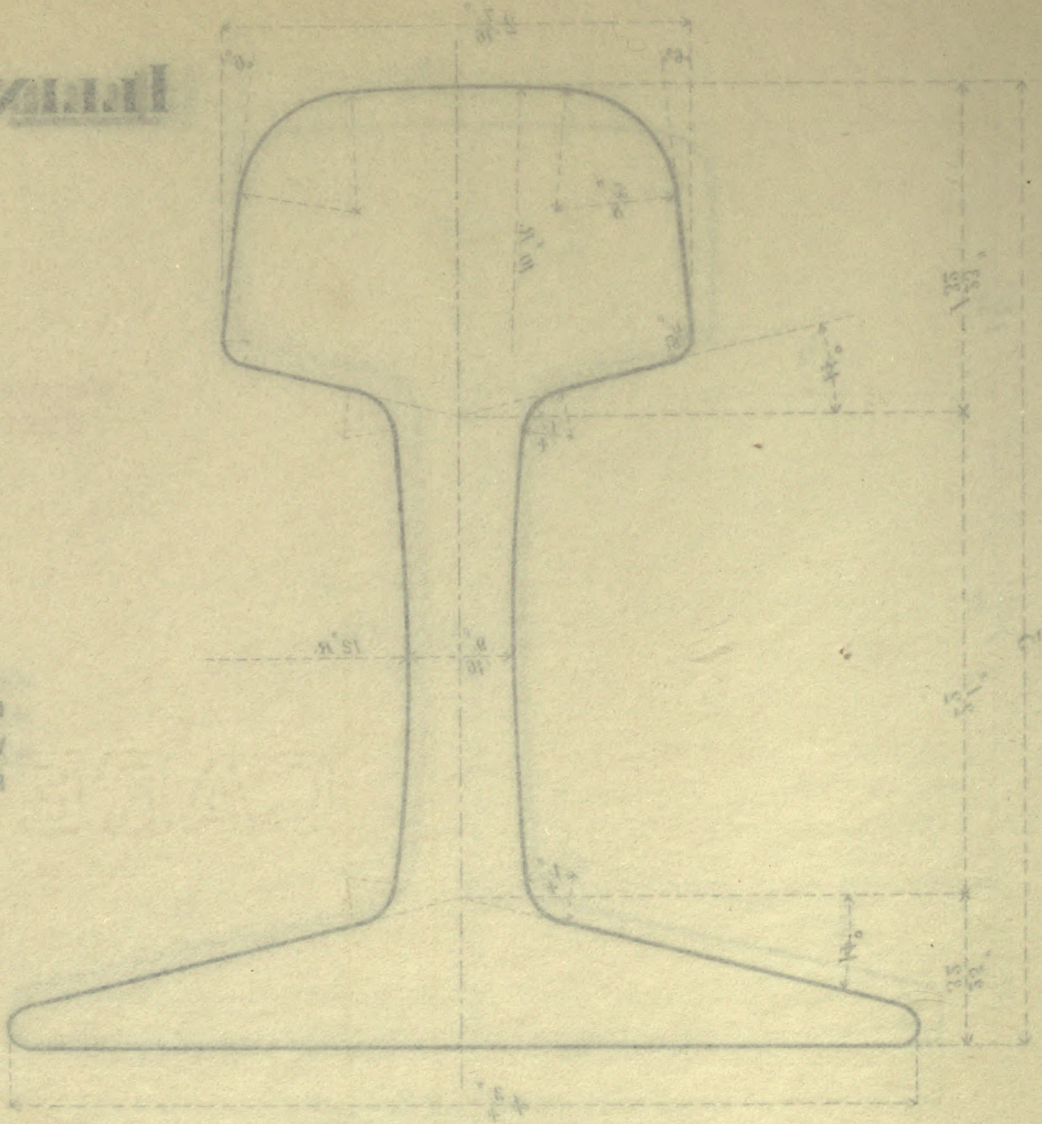
Requires 117 ¹⁹²⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

36
HAINZ'S STEEL CO.

CHICAGO.

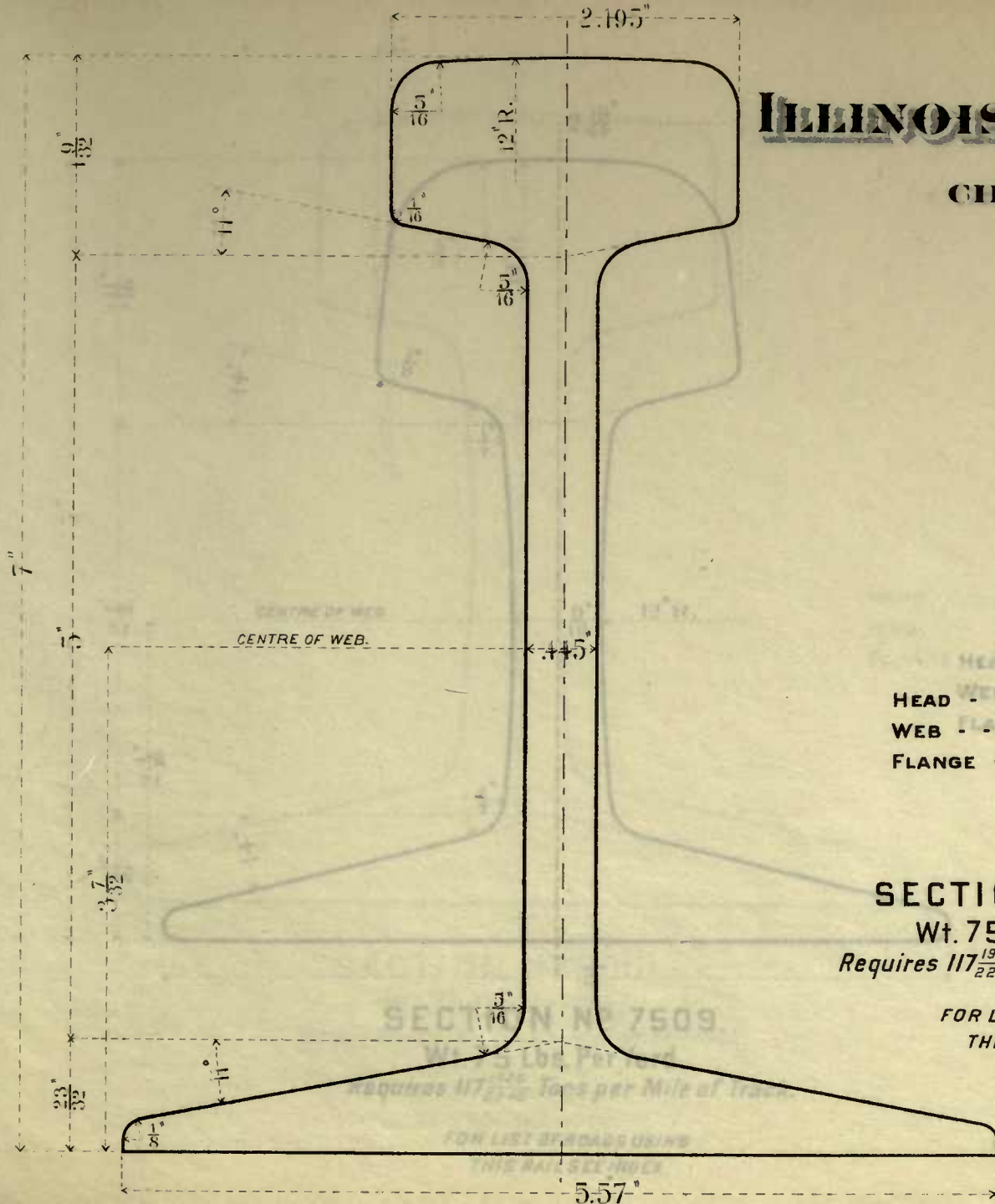
HEAD - - 48 0/100
WEB - - 51
FLANGE - 31



SECTION No 7507
Wt 75 Lbs Per Yard.
Requires 117 1/2 Tons per Mile of Track.
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



HEAD - - 34.4 %
 WEB - - 31.4 "
 FLANGE - 34.2 "

SECTION NO 7508.

Wt. 75 Lbs. Per Yard.

Requires 117 ¹⁹²⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

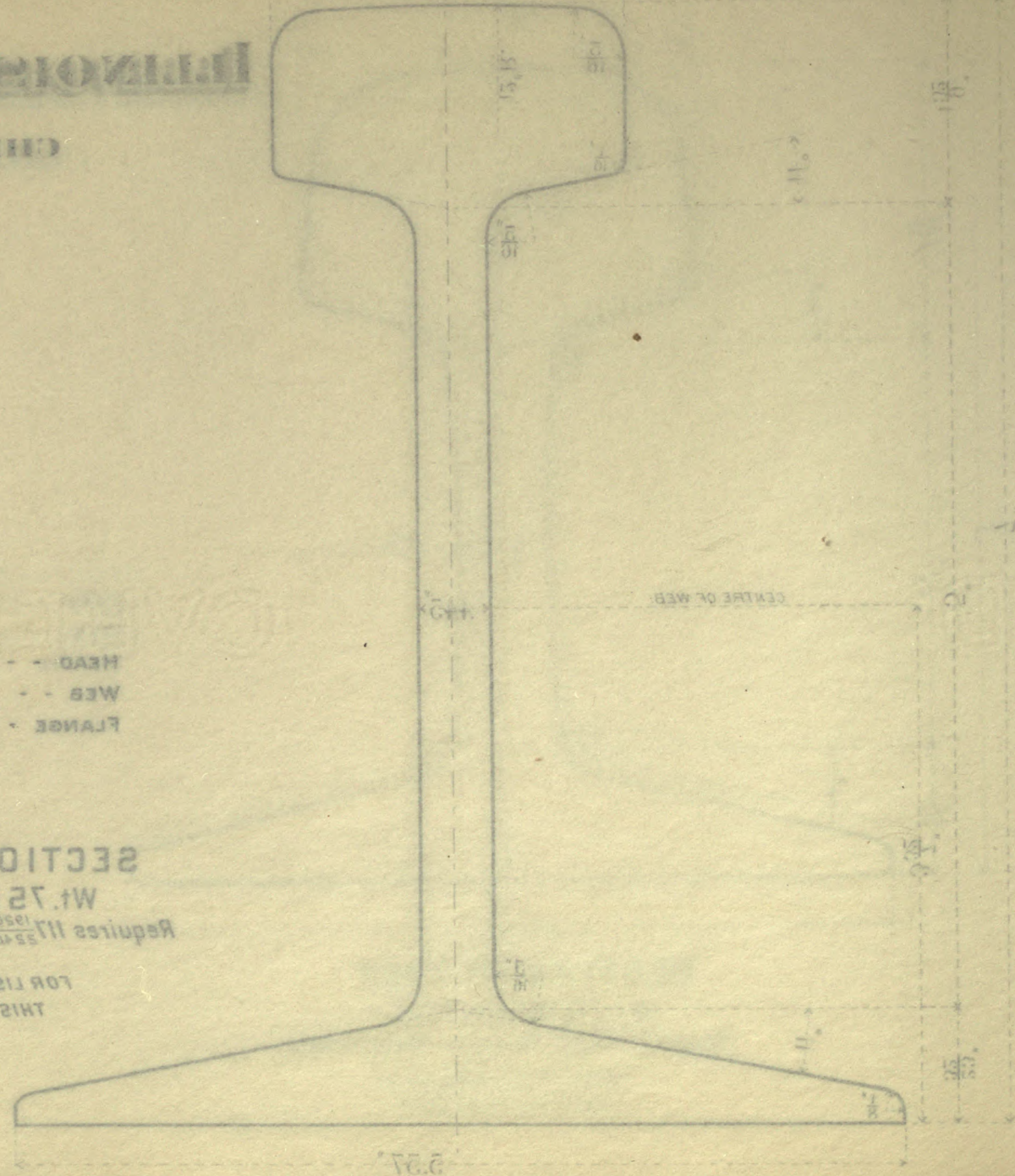
WALTON STEEL CO

CHICAGO

HEAD - - 34.4%
 WEB - - 31.4%
 FLANGE - 34.5%

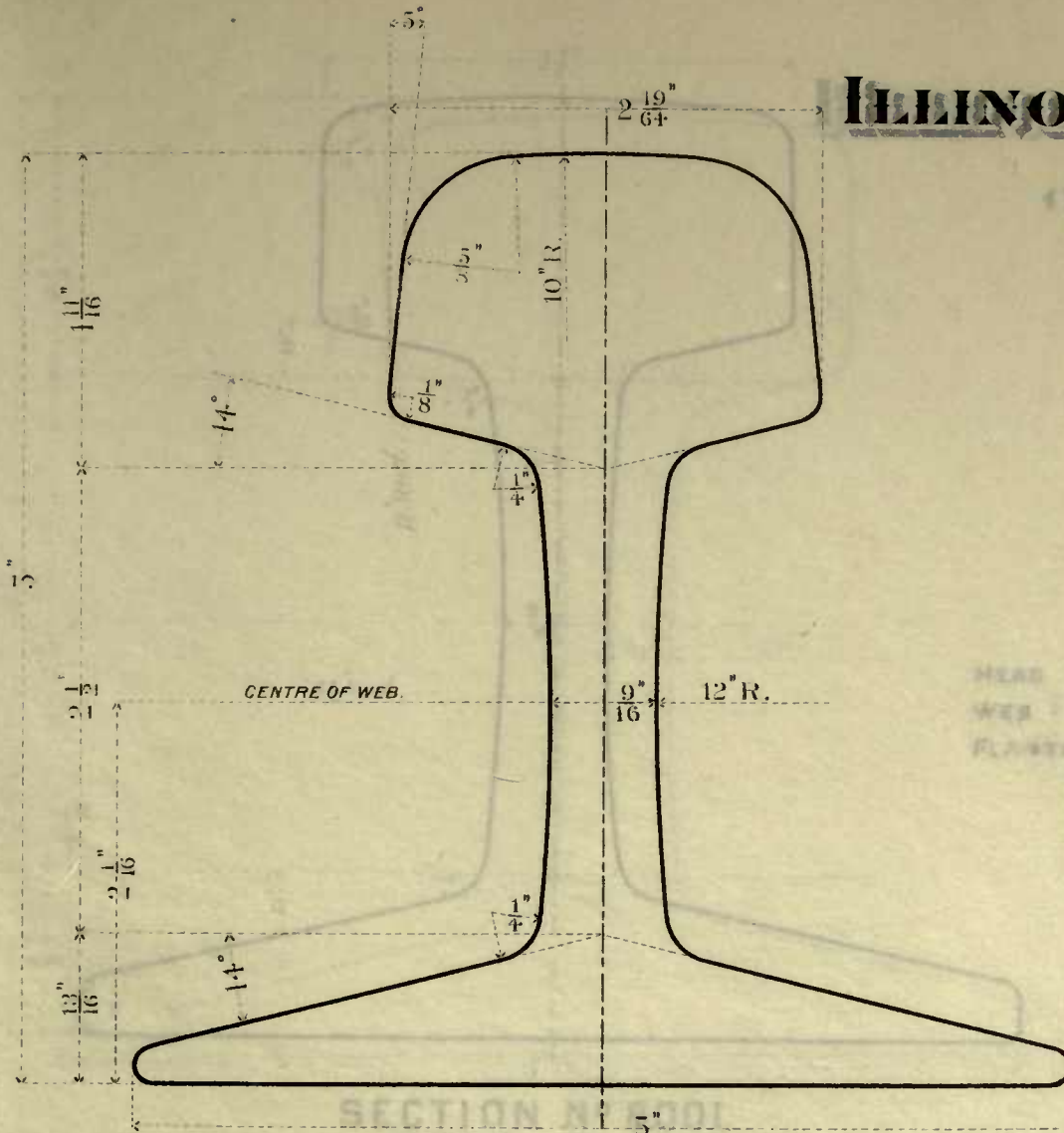
SECTION No 7508.
 Wt. 75 Lbs. Per Yard.
 Requires 117 ¹⁹²⁰/₃₂₄₀ Tons per Mile of Track.

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX.



ILLINOIS STEEL CO.

CHICAGO.



| | | |
|--------|-----|--------|
| HEAD | - - | 44.3 % |
| WEB | - - | 21.6 " |
| FLANGE | - - | 34.1 " |

SECTION N^o 7509.

Wt. 75 Lbs. Per Yard.

Requires 117 ¹⁹²⁰/₂₂₄₀ Tons per Mile of Track.

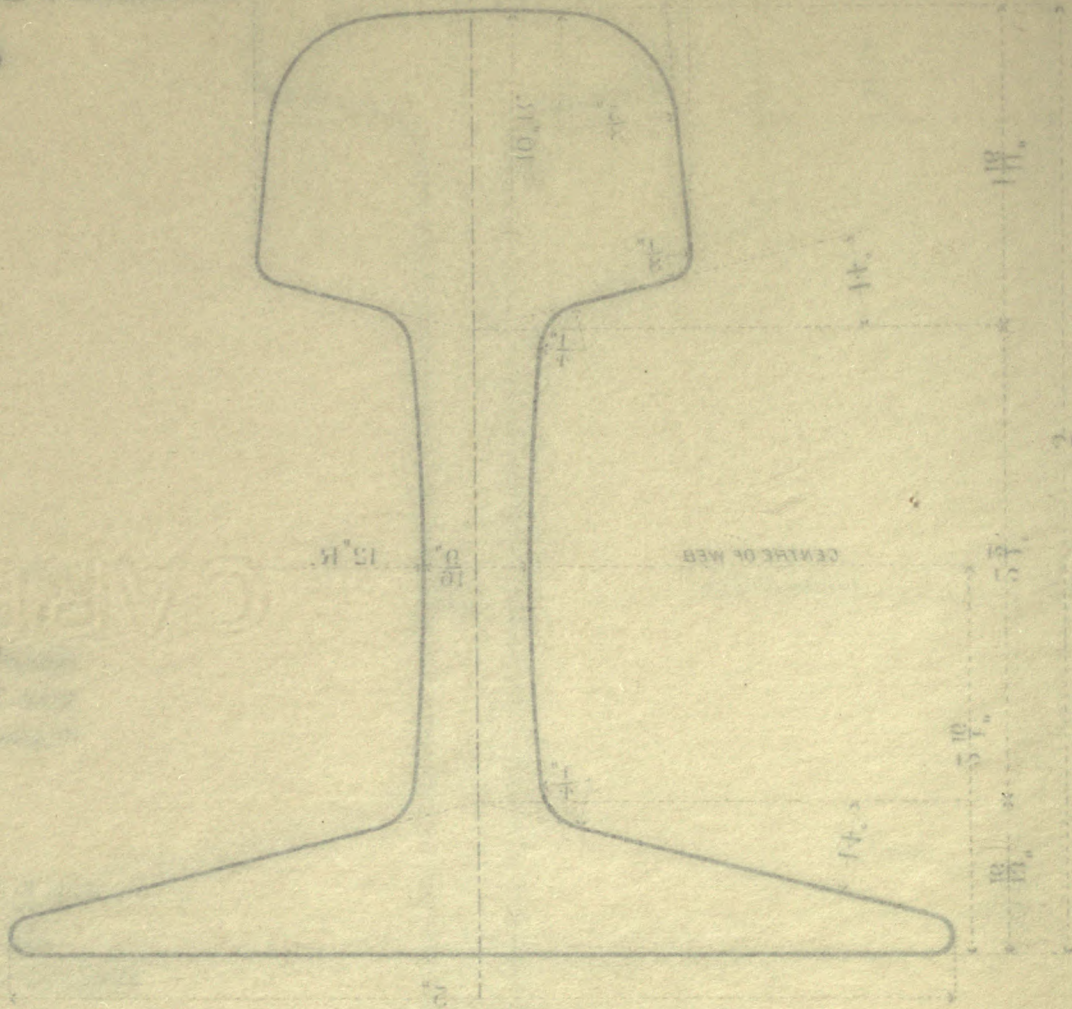
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX

Requires 117¹³⁵⁰/₃₂₀₀ Tons per Mile of Track.
Wt. 75 Lbs. Per Yard.

SECTION No 7509

FLANGE - 3.41
WEB - 51.6
HEAD - 44.3
%
0.0

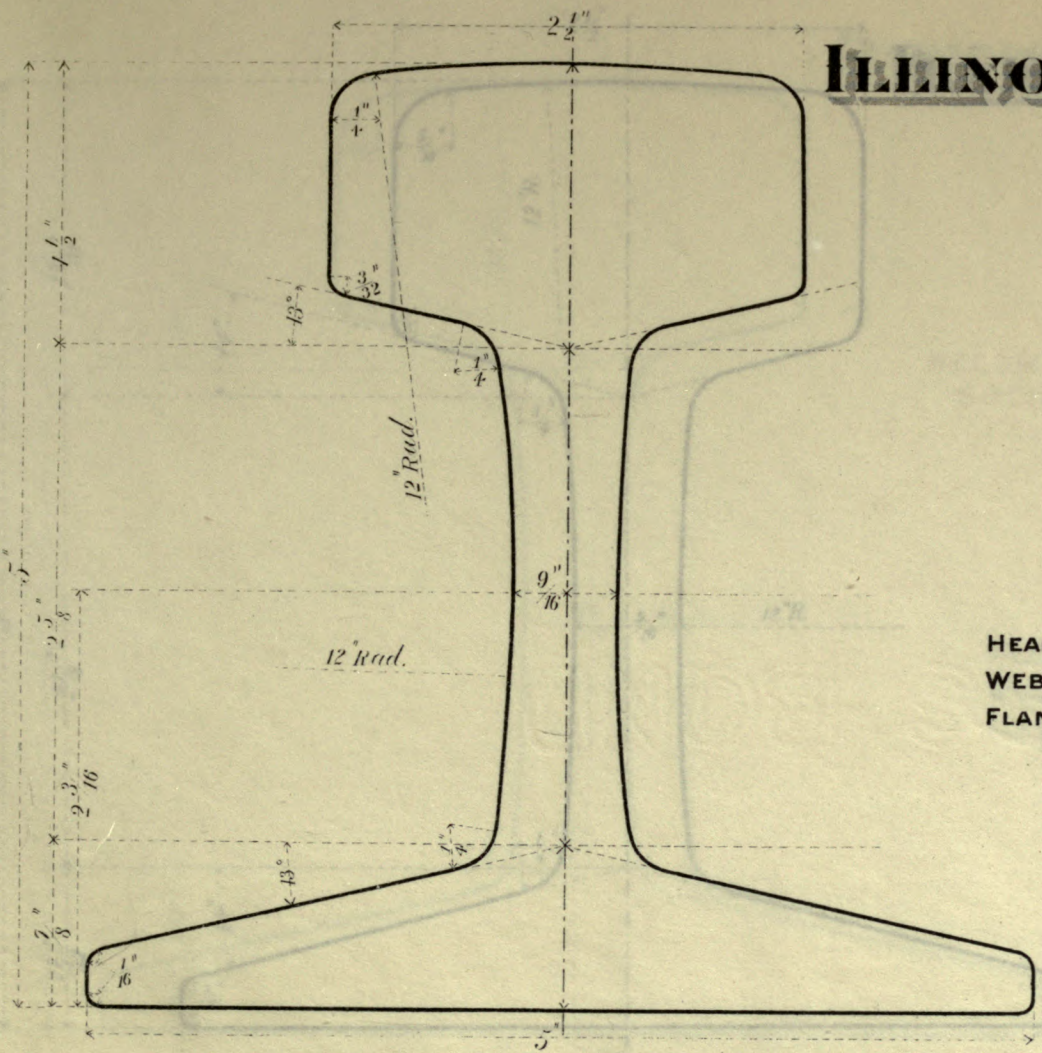


CHICAGO.

ILLINOIS STEEL CO.

ILLINOIS STEEL CO.

CHICAGO, ILL.



HEAD - - 42 %
 WEB - - 21 "
 FLANGE - 37 "

SECTION NO 8001.

Wt. 80 Lbs. Per Yard.

Requires $125\frac{1600}{2240}$ Tons per Mile of Track.

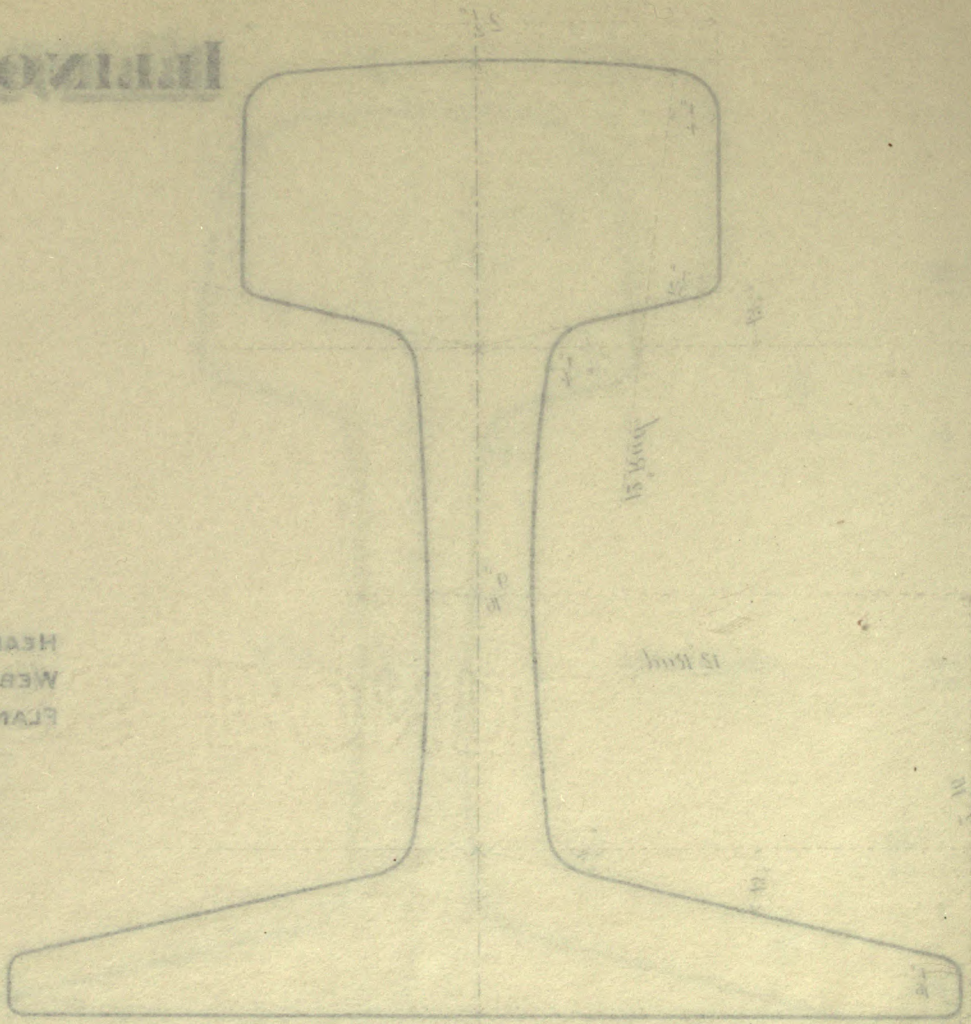
Requires 125% Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

WALKER'S STEEL CO.

CHICAGO.

HEAD - 45%
WEB - 51
FLANGE - 37



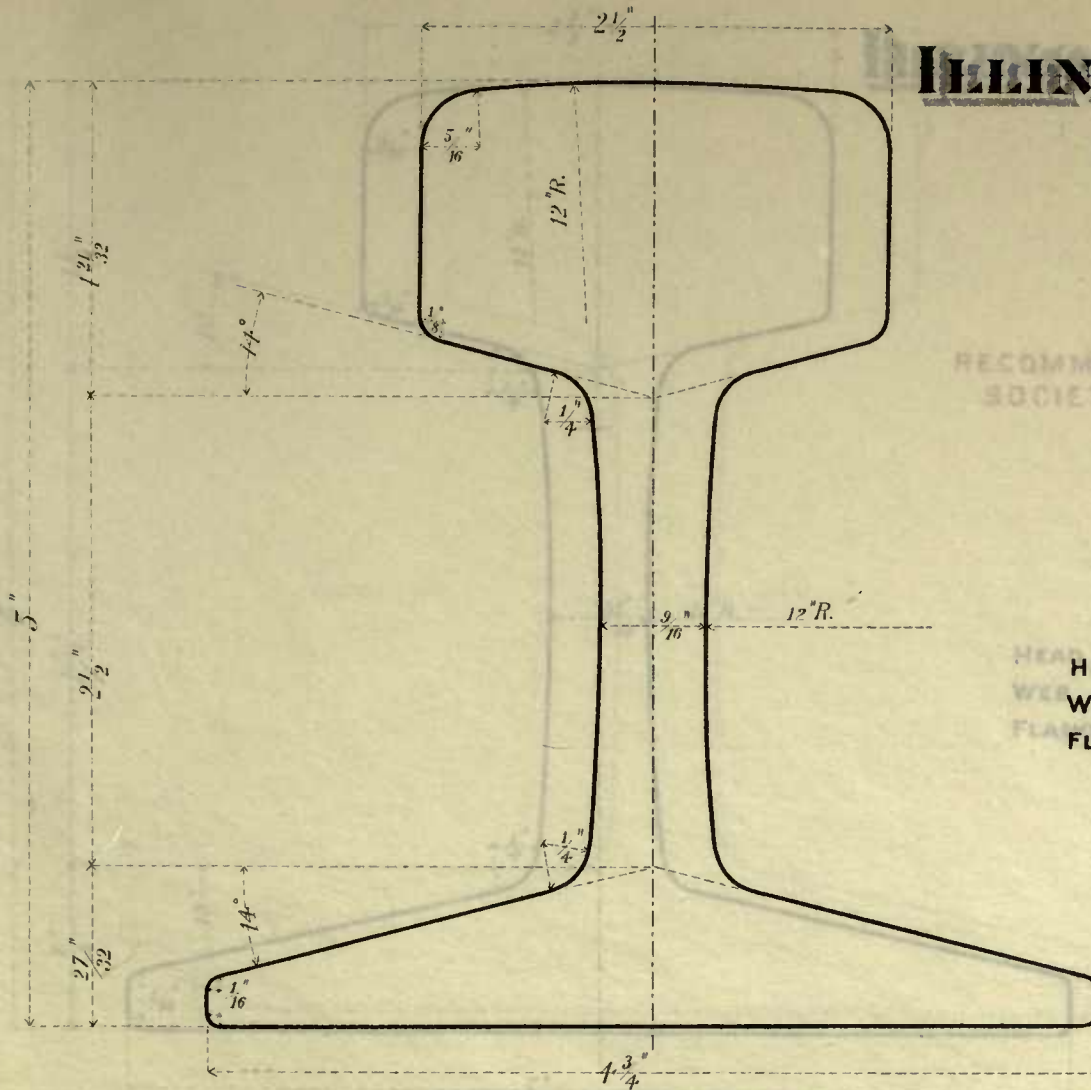
SECTION No 8001
 Wt 80 lbs Per Yard
 Requires 155 Tons per Mile of Track

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN
SOCIETY OF CIVIL ENGINEERS.



| | | |
|--------|-----|------|
| HEAD | - - | 47 % |
| WEB | - - | 20 " |
| FLANGE | - - | 33 " |

SECTION NO. 8003.

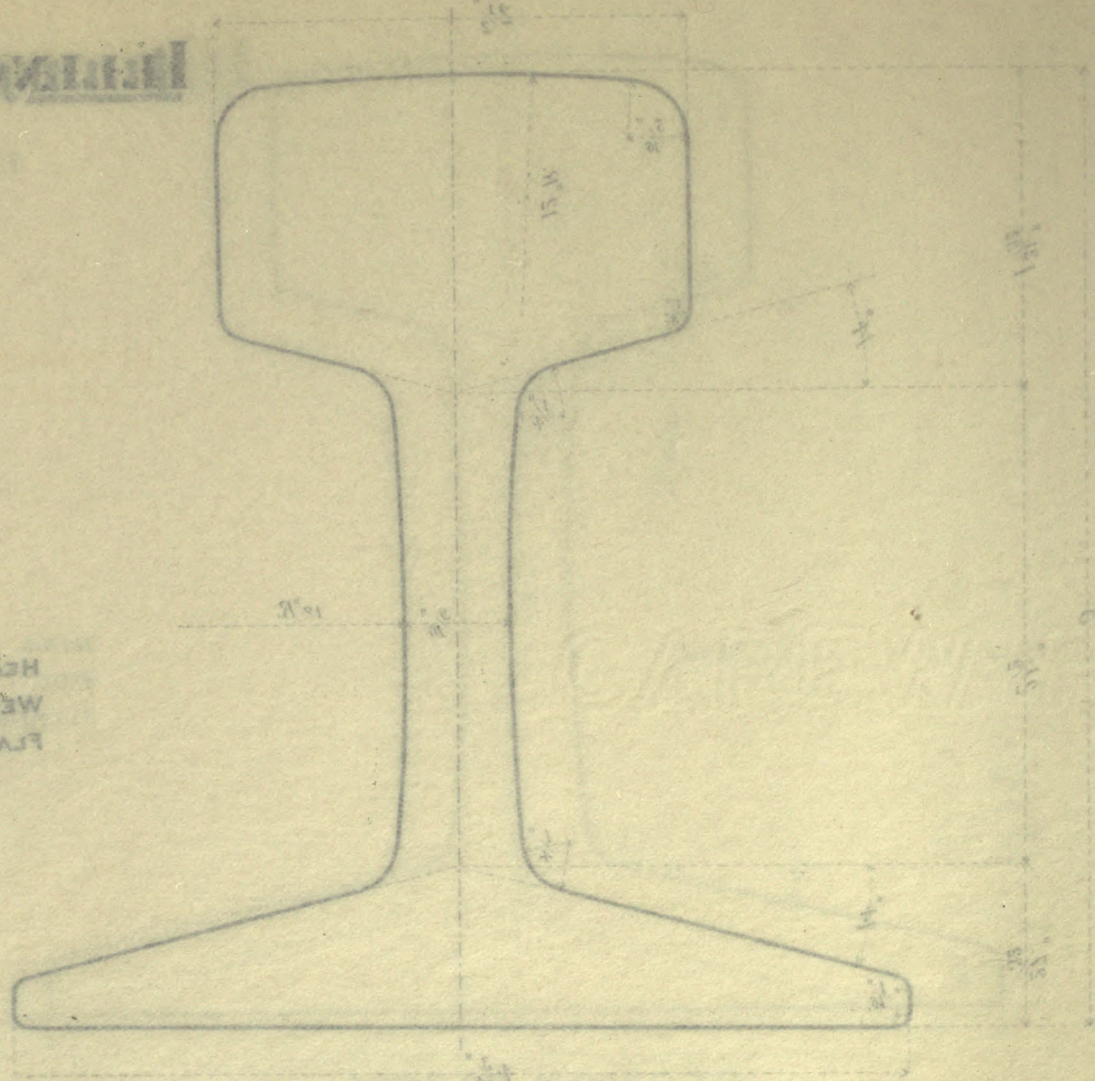
Wt. 80 Lbs. Per Yard.

Requires $125\frac{1600}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

HEILBRON STEEL CO

CHICAGO



HEAD - 47 0/10
 WEB - 50
 FLANGE - 33

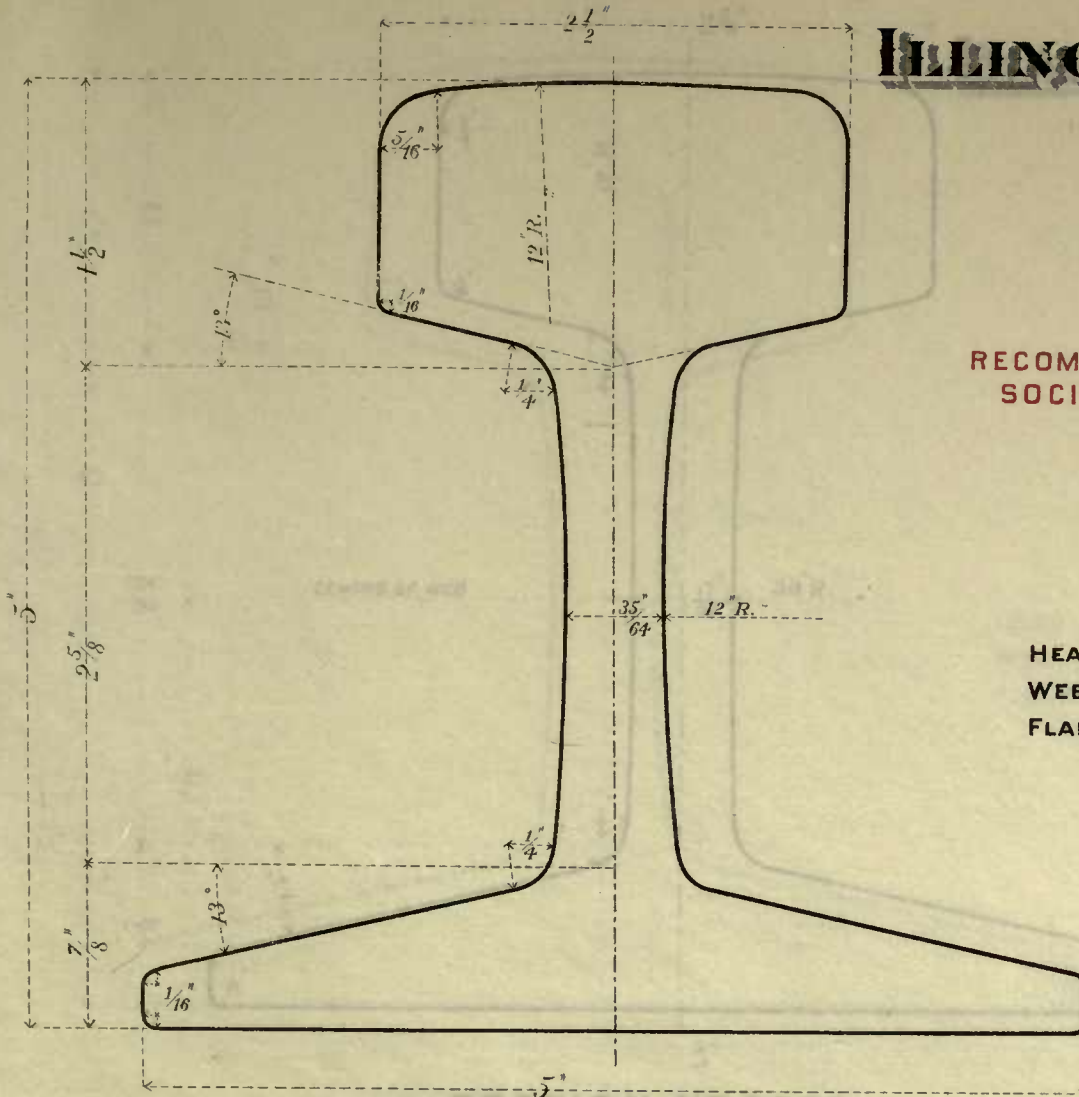
SECTION No 8003
 Wt. 80 Lbs Per Yard
 Requires 152,500 Tons per Mile of Track

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO, ILL.

RECOMMENDED BY THE AMERICAN
SOCIETY OF CIVIL ENGINEERS.



HEAD - - 42 %
WEB - - 21 "
FLANGE - 37 "

SECTION NO 8004.

Wt. 80 Lbs. Per Yard.

Requires $125 \frac{1600}{2240}$ Tons per Mile of Track.

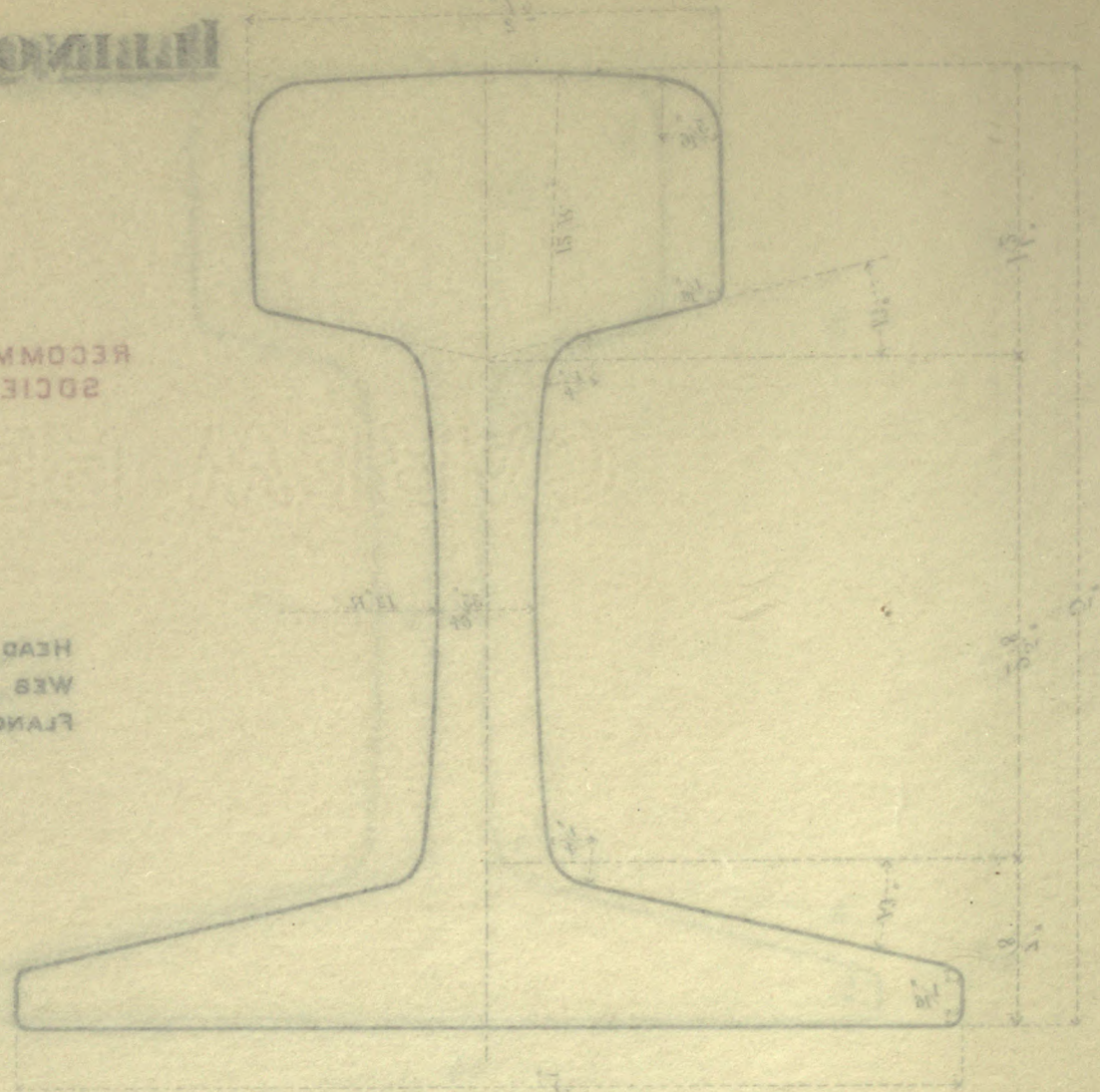
FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

AMERICAN STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 42 %
WEB - - 21 "
FLANGE - 37 "

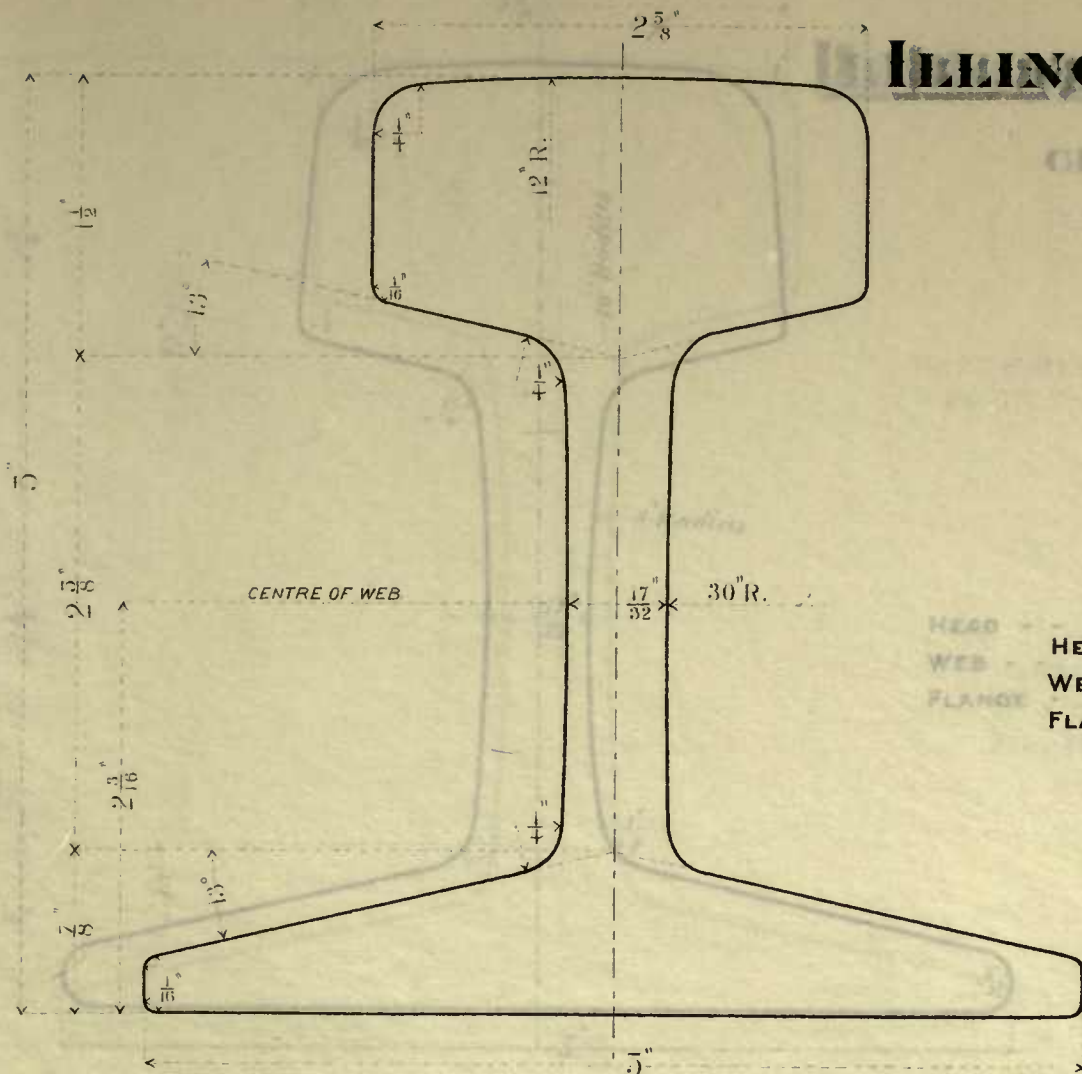


SECTION No 8004.
Wt 80 Lbs Per Yard.
Requires 155 Tons per Mile of Track.

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.



| | |
|--------|-----------|
| HEAD | - - 44 % |
| WEB | - - 19 .. |
| FLANGE | - - 37 .. |

SECTION N° 8005.

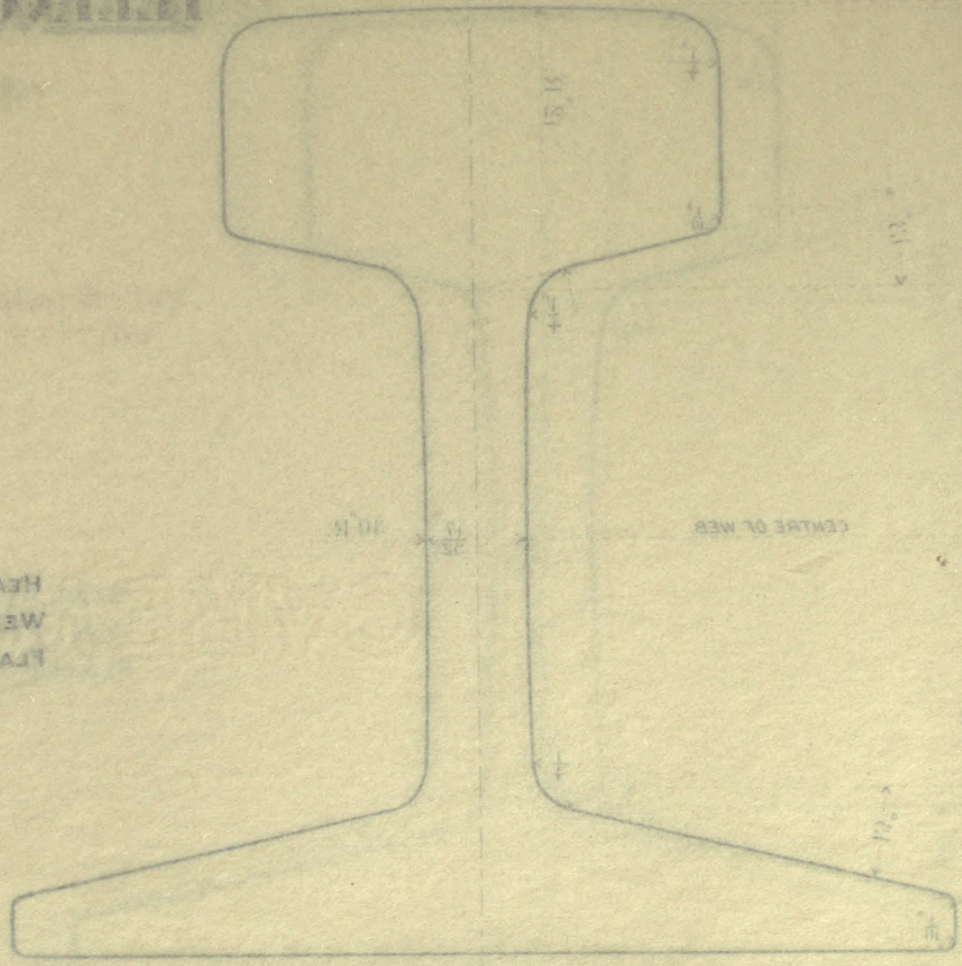
Wt. 80 Lbs. Per Yard.

Requires 125 ¹⁶⁰⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.

BRITAIN'S STEEL CO

CHICAGO.



HEAD - - 44
 WEB - - 19
 FLANGE - 37
 9/16

SECTION No 8002.

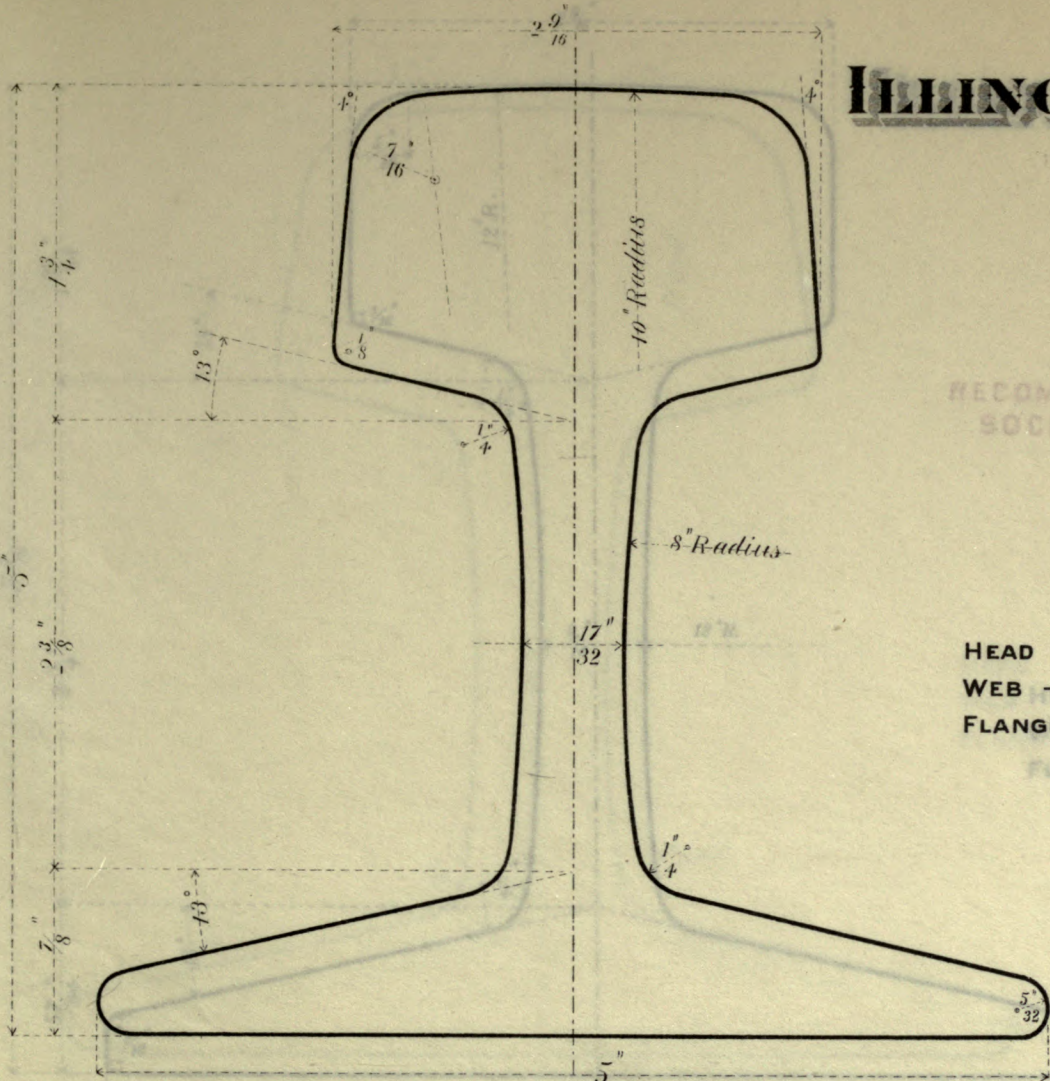
Wt. 80 Lbs. Per Yard.
 Requires 152 3/4 Tons per Mile of Track.

FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



HEAD - - 47 %
 WEB - - 18 " 42 %
 FLANGE - 35 " 21 %
 FLANGE - 37 "

SECTION N^o 8503.

Wt. 85 Lbs. Per Yard.

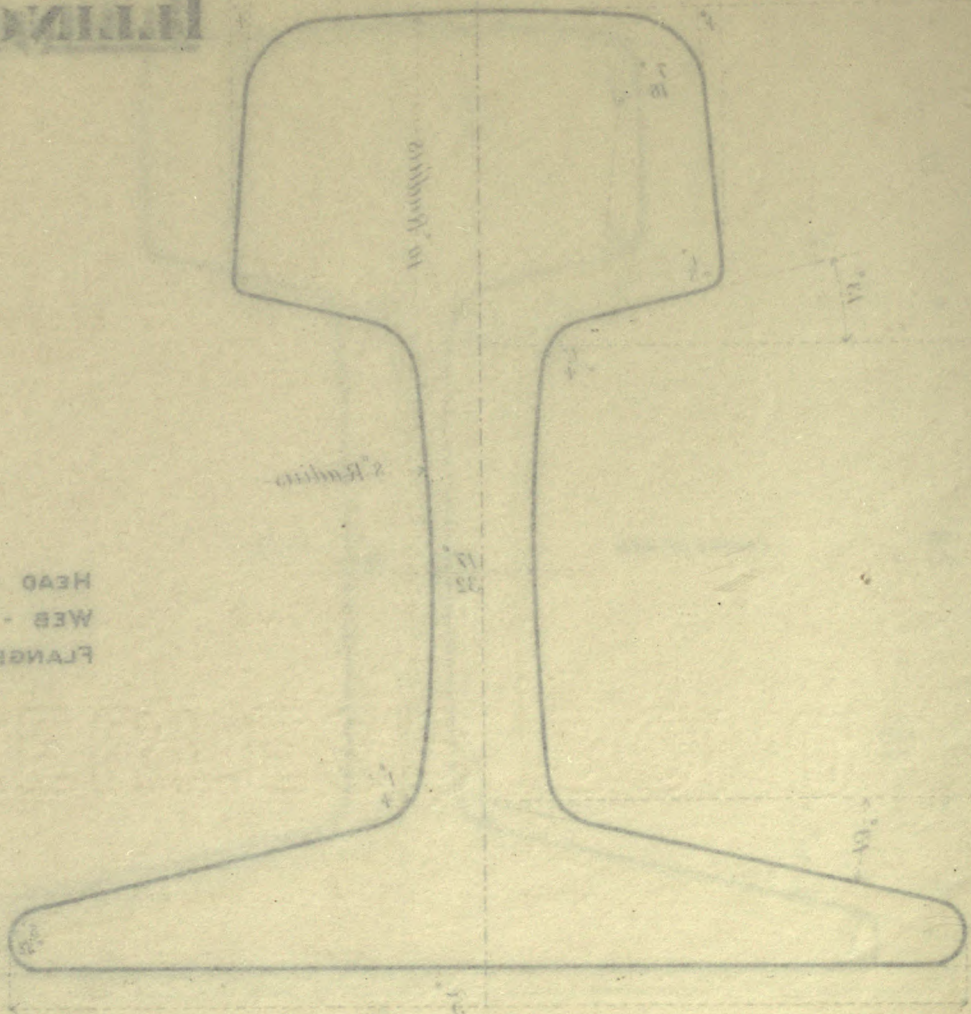
Requires 133 ¹²⁸⁰/₂₂₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

THIS RAIL SEE INDEX.

32
MILWAUKEE STEEL CO.

CHICAGO



HEAD - - 47
WEB - - 18
FLANGE - 35

SECTION No 8203.

Wt 82 Lbs Per Yard.

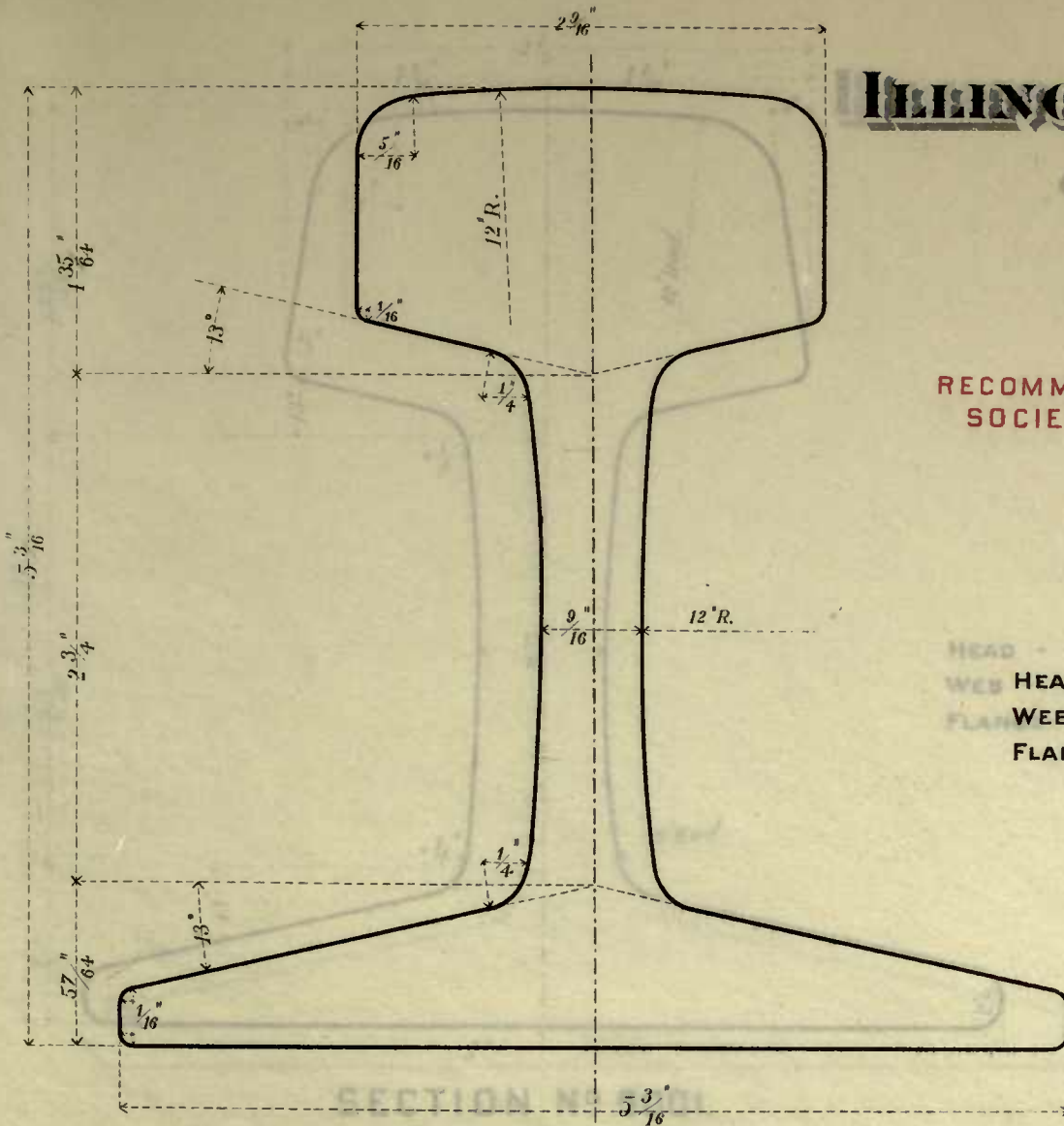
Requires 133 ¹⁵⁸⁰/₅₉₄₀ Tons per Mile of Track.

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

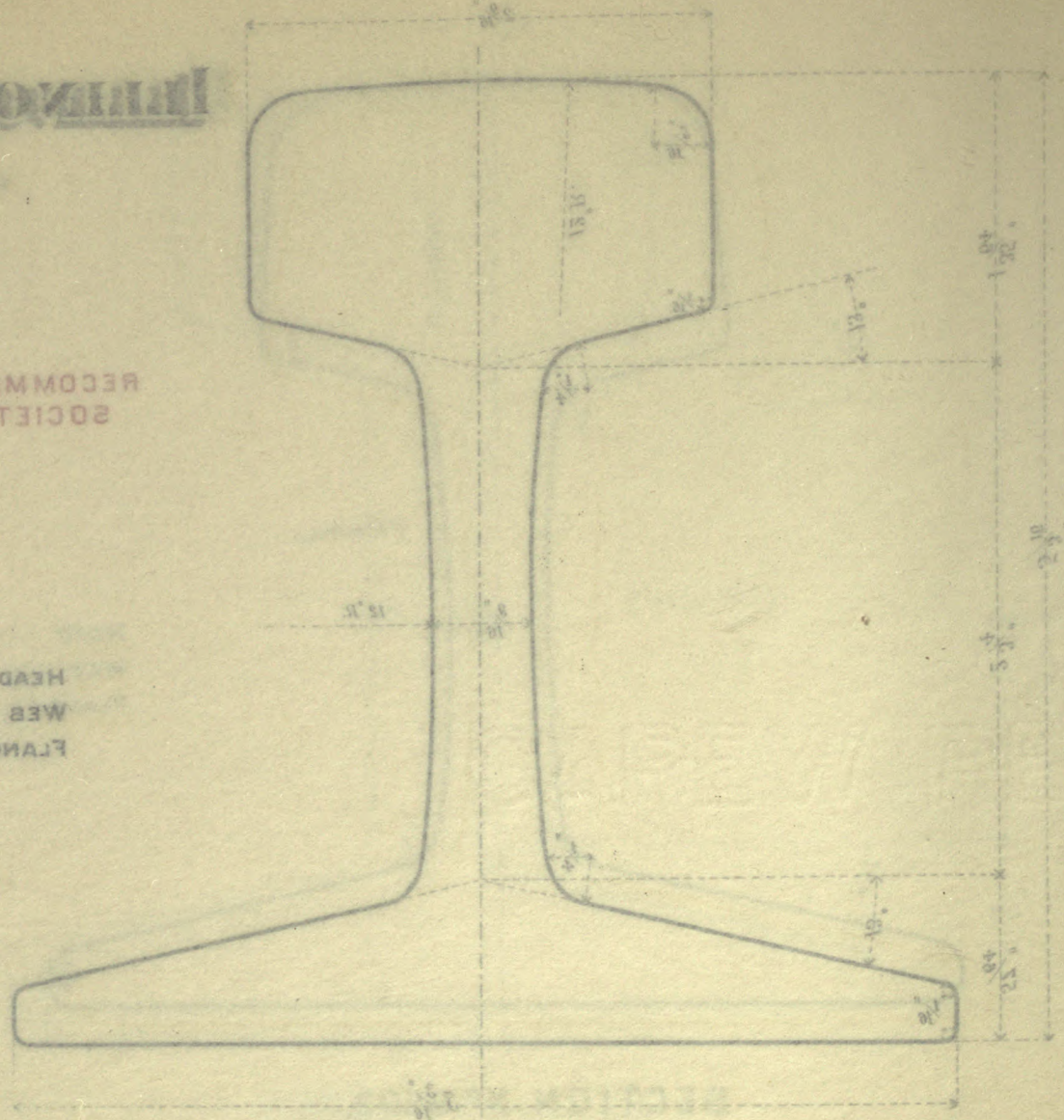


| | | |
|--------|--------|---------|
| HEAD | - - | 47% |
| WEB | HEAD | - - 42% |
| FLANGE | WEB | - - 21" |
| | FLANGE | - - 37" |

SECTION NO. 8504.
 Wt. 85 Lbs. Per Yard.
 Requires $133\frac{1280}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

THIS RAIL SECTION
 FOR LIST OF RAILS USING
 Requires 133 ¹⁵⁶⁰/₁₀₀₀ Tons per Mile of Track.
 Wt. 82 Lbs. Per Yard.
 SECTION No. 8204.



FLANGE - 37%
 WEB - 51%
 HEAD - 48%

RECOMMENDED BY THE AMERICAN
 SOCIETY OF CIVIL ENGINEERS.

CHICAGO.

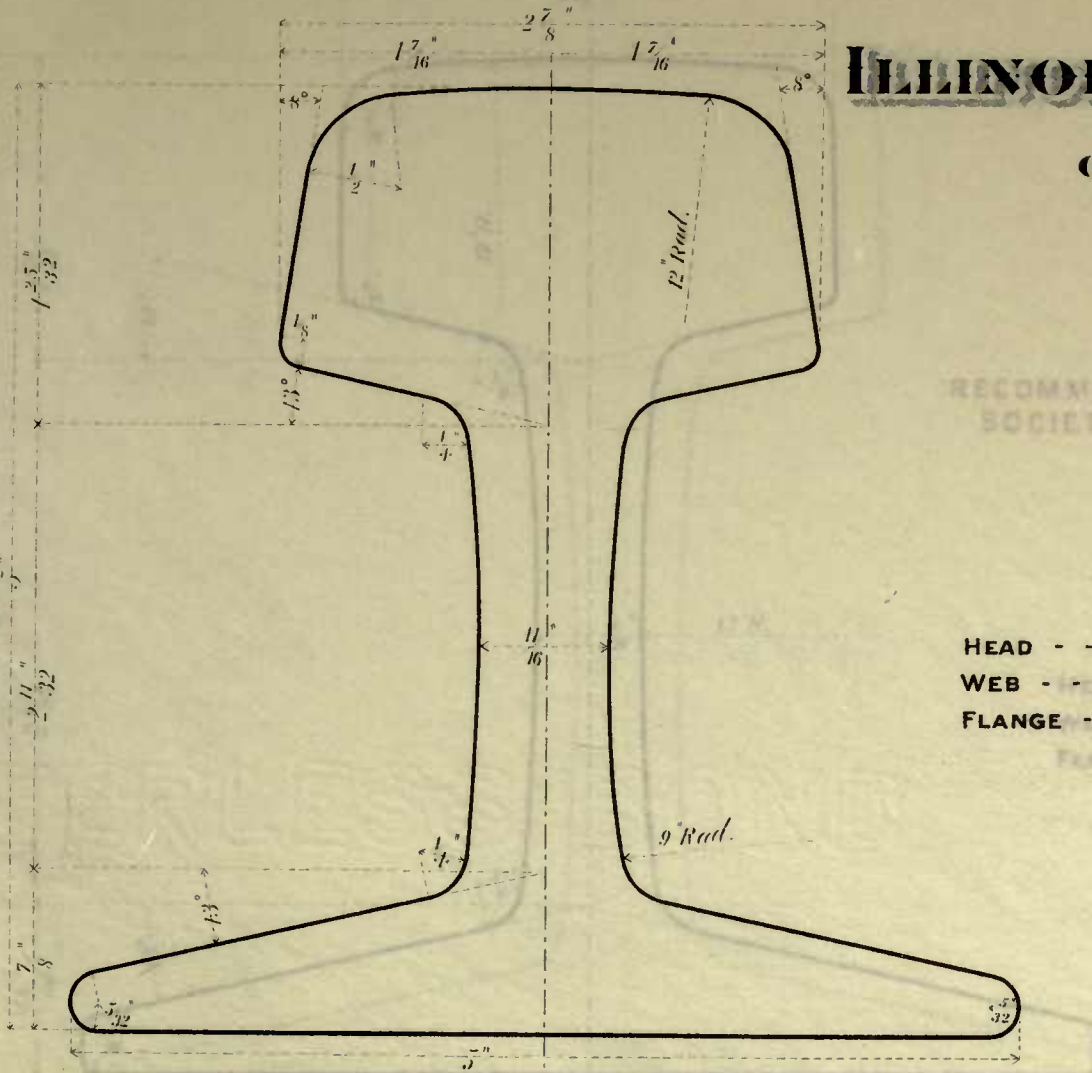
ILLINOIS STEEL CO.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 47 %
 WEB - - 21 " 47 %
 FLANGE - 32 " 21 %
 FLANGE - 37 "



SECTION N° 9001.

Wt. 90 Lbs. Per Yard.

Requires $141 \frac{960}{2240}$ Tons per Mile of Track.

FOR LIST OF ROADS USING

THIS RAIL SEE INDEX. Mile of Track.

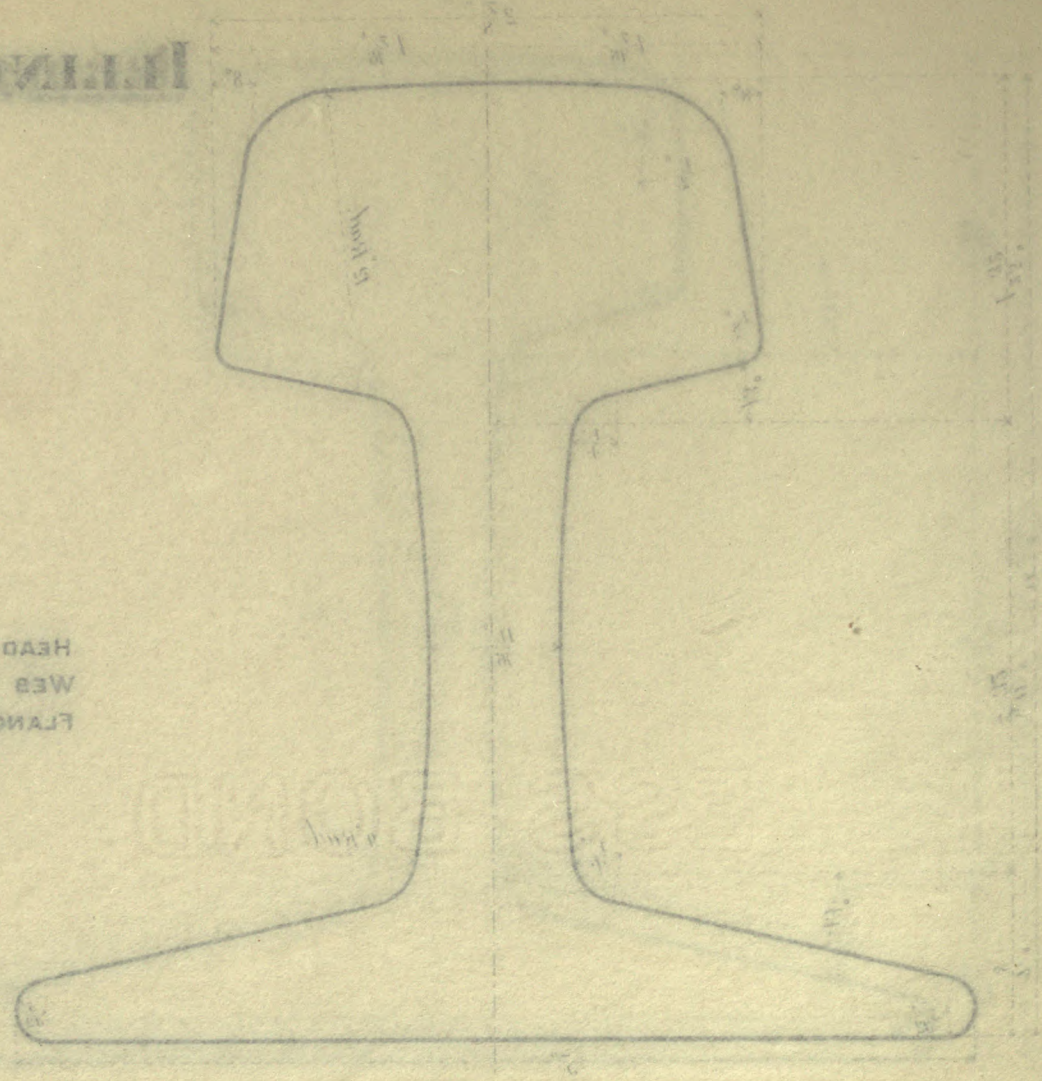
FOR LIST OF ROADS USING

THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

HEAD - - 47 %
 WEB - - 51 ..
 FLANGE - 35 ..

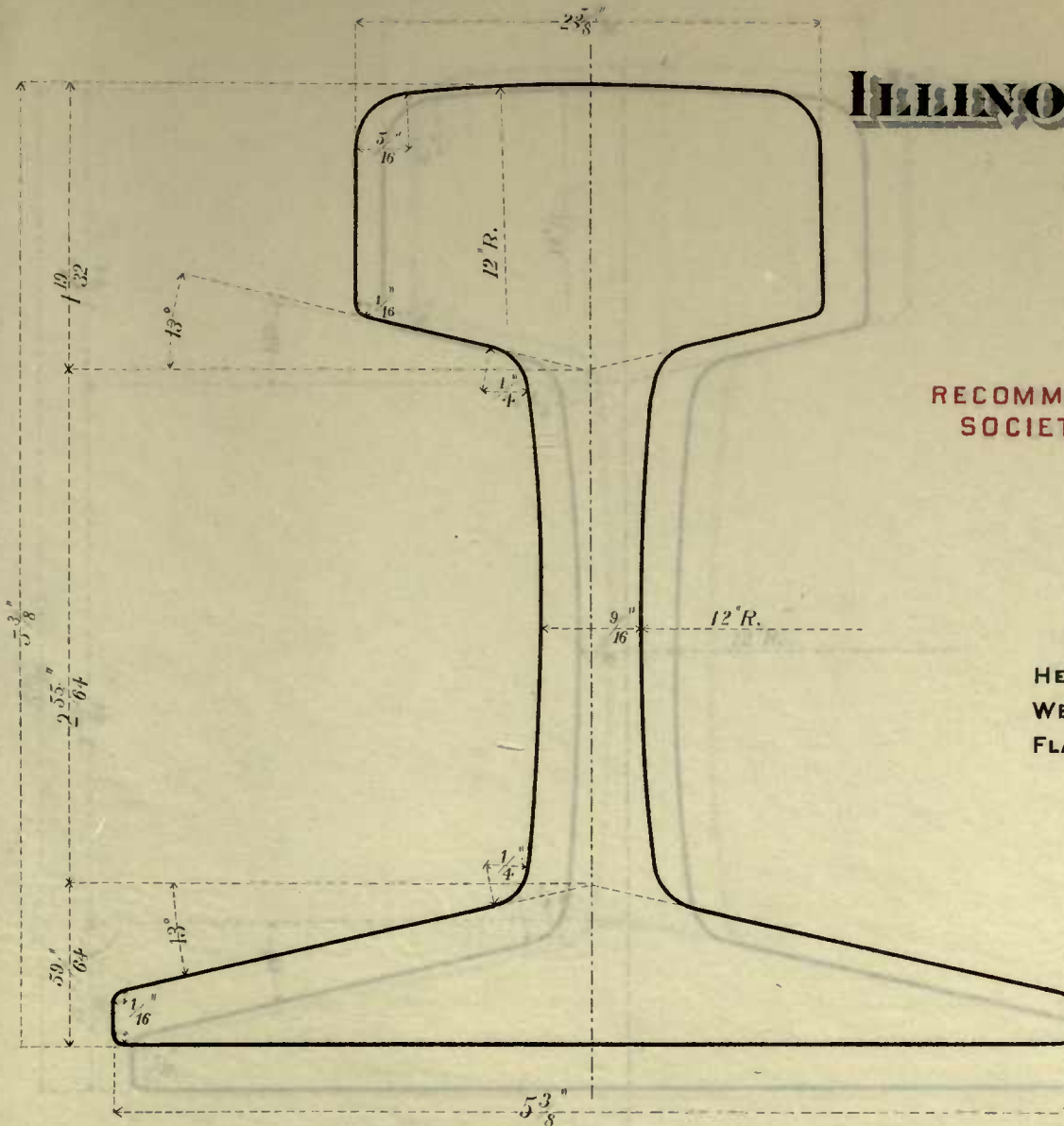


SECTION No 8001
 Wt 90 Lbs Per Yard
 Requires 141 ³⁵⁰⁰/₃₂₀₀ Tons per Mile of Track
 FOR LIST OF RAILS USING
 THIS RAIL SEE INDEX

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



| | | |
|--------|-----|-----|
| HEAD | - - | 42% |
| WEB | - - | 21 |
| FLANGE | - - | 37 |
| FLANGE | - - | 37 |

FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

SECTION NO. 9002.

Wt. 90 Lbs. Per Yard.

Requires $141\frac{960}{2240}$ Tons per Mile of Track.

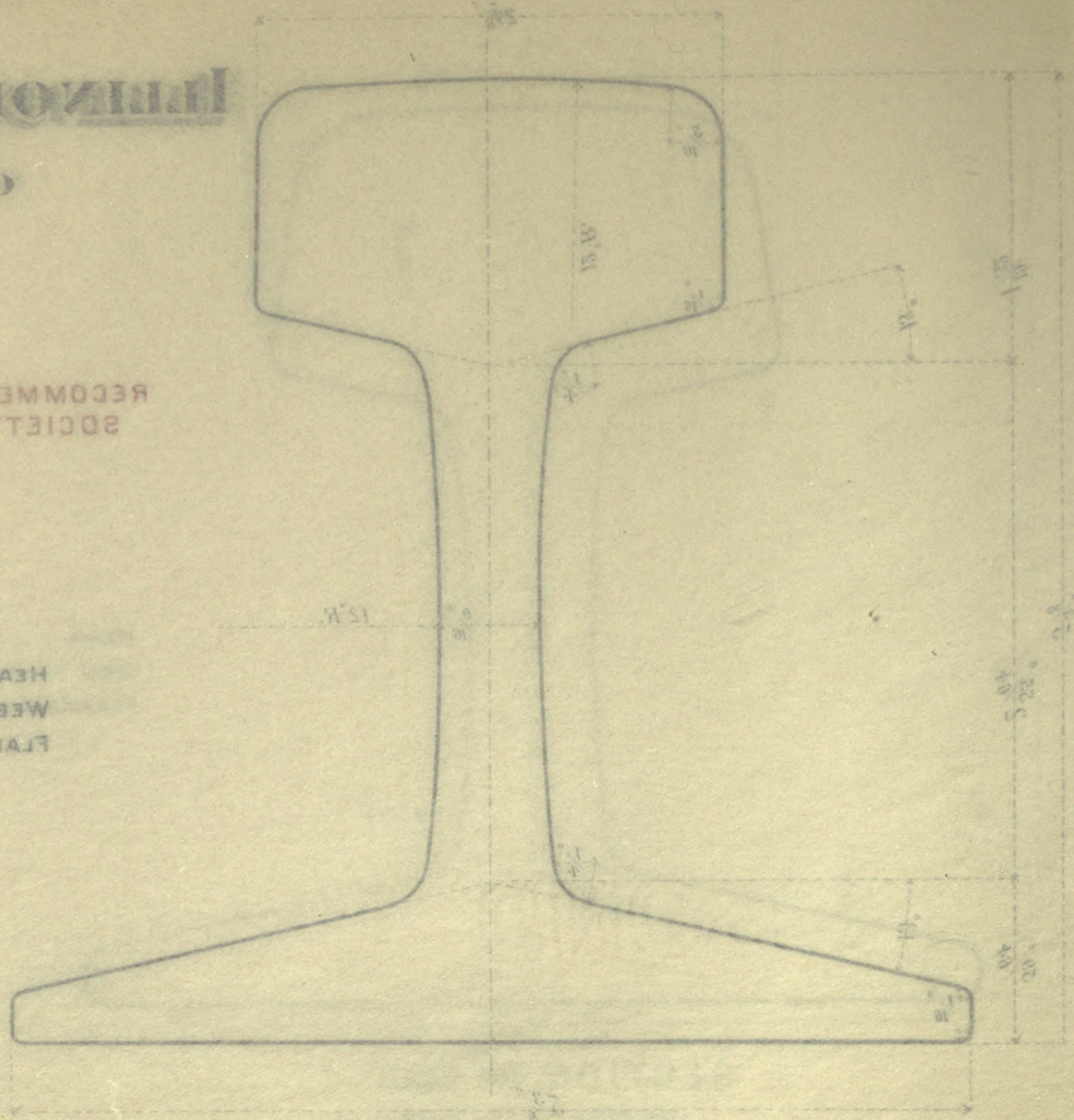
FOR LIST OF ROADS USING THIS RAIL SEE INDEX.

WALKER STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 45%
WEB - - 51%
FLANGE - 37%

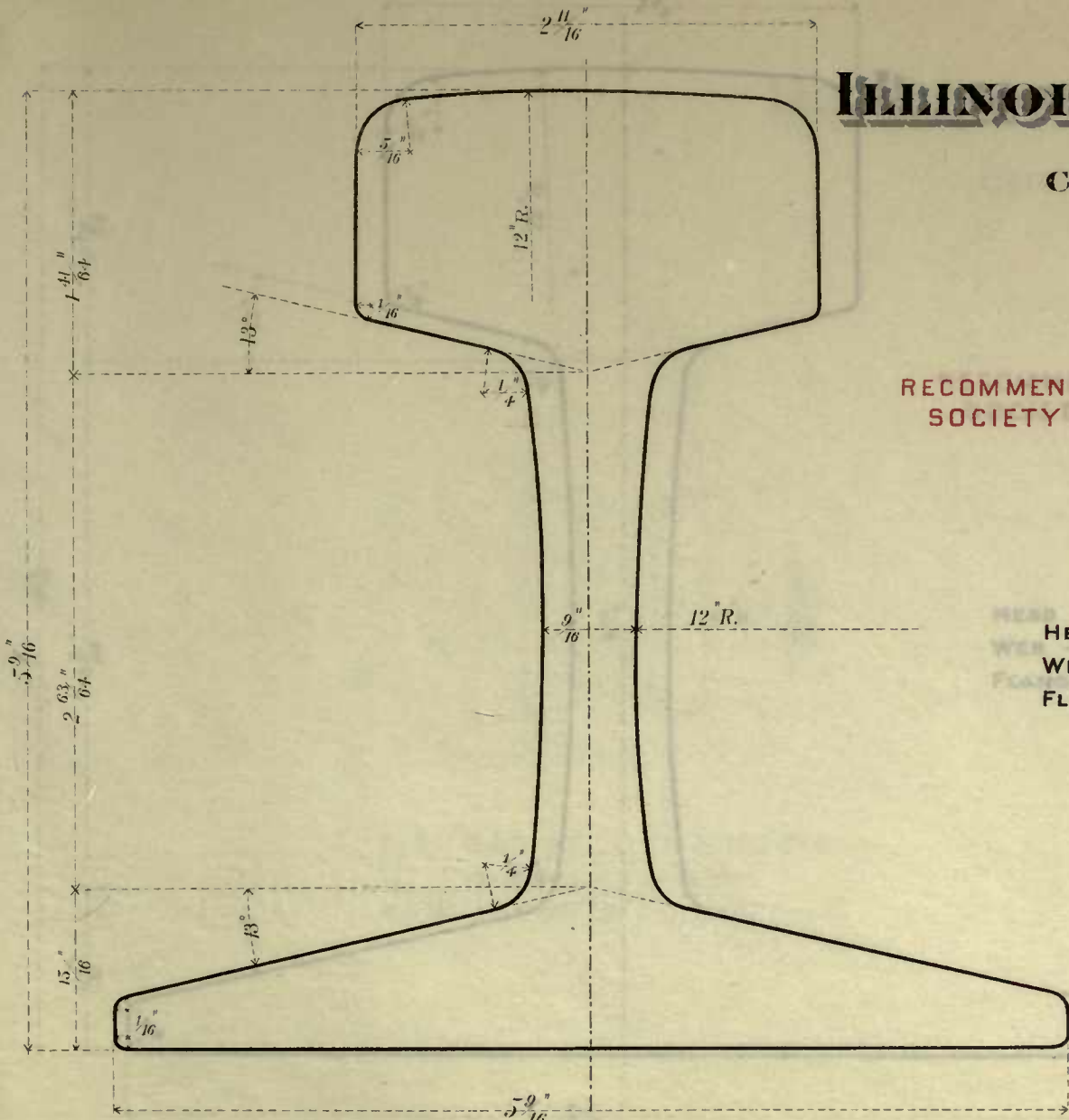


SECTION No 8005
 Wt. 90 Lbs Per Yard.
 Requires 141 ⁵⁰⁰/₅₅₀₀ Tons per Mile of Track.
 FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.



HEAD - - 42 %
 WEB - - 21 ''
 FLANGE - 37 ''

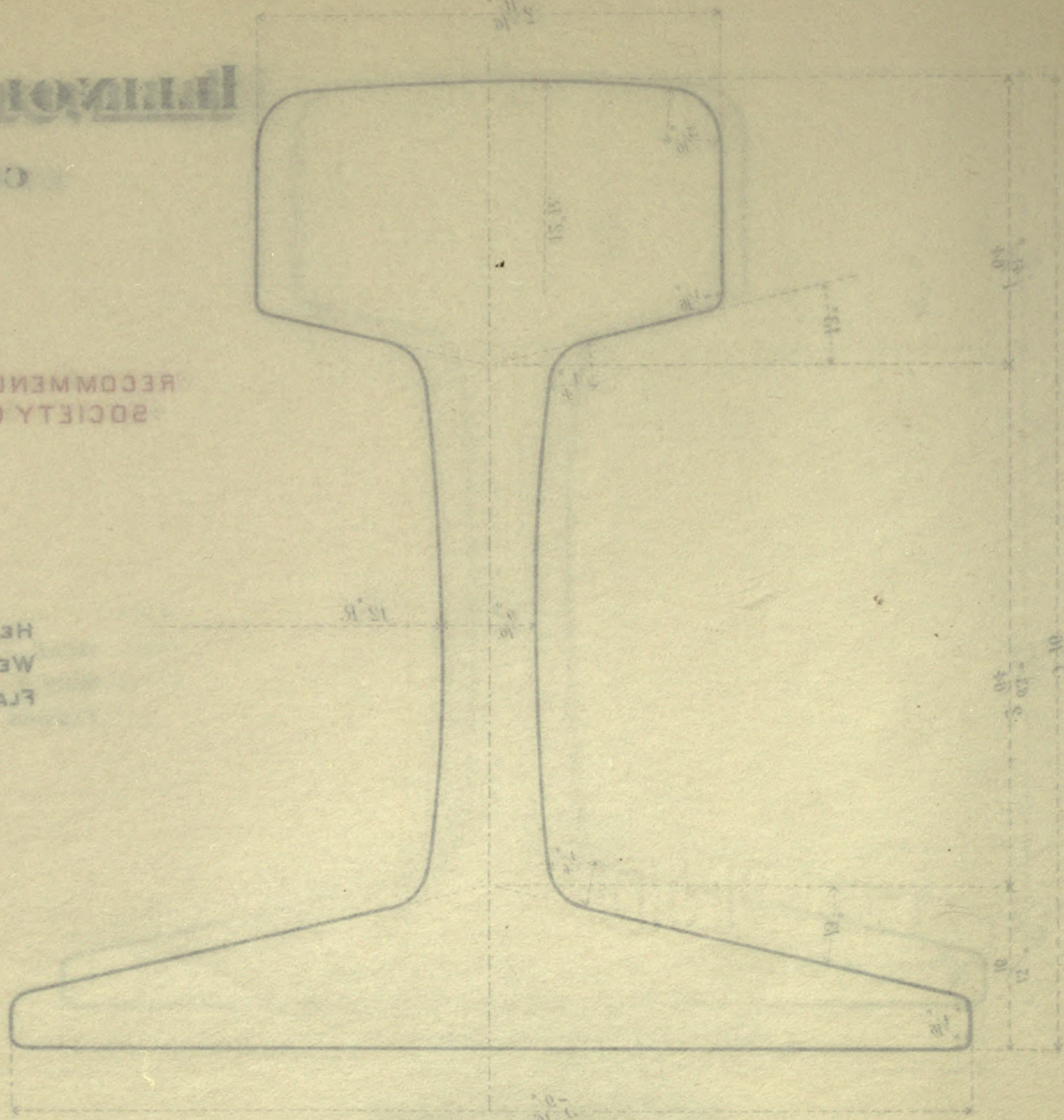
FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

SECTION N° 9501.

Wt. 95 Lbs. Per Yard.

Requires $149 \frac{640}{2240}$ Tons per Mile of Track.

Requires 142^{5/8} Tons per Mile of Track.
 Wt. 25 Lbs Per Yard.
 SECTION No 2501.



FLANGE - 37"
 WEB - 21"
 HEAD - 45%

FOR LIST OF ROADS USING
 THIS RAIL SEE INDEX.

RECOMMENDED BY THE AMERICAN
 SOCIETY OF CIVIL ENGINEERS.

CHICAGO.

LINKHORN'S STEEL CO.

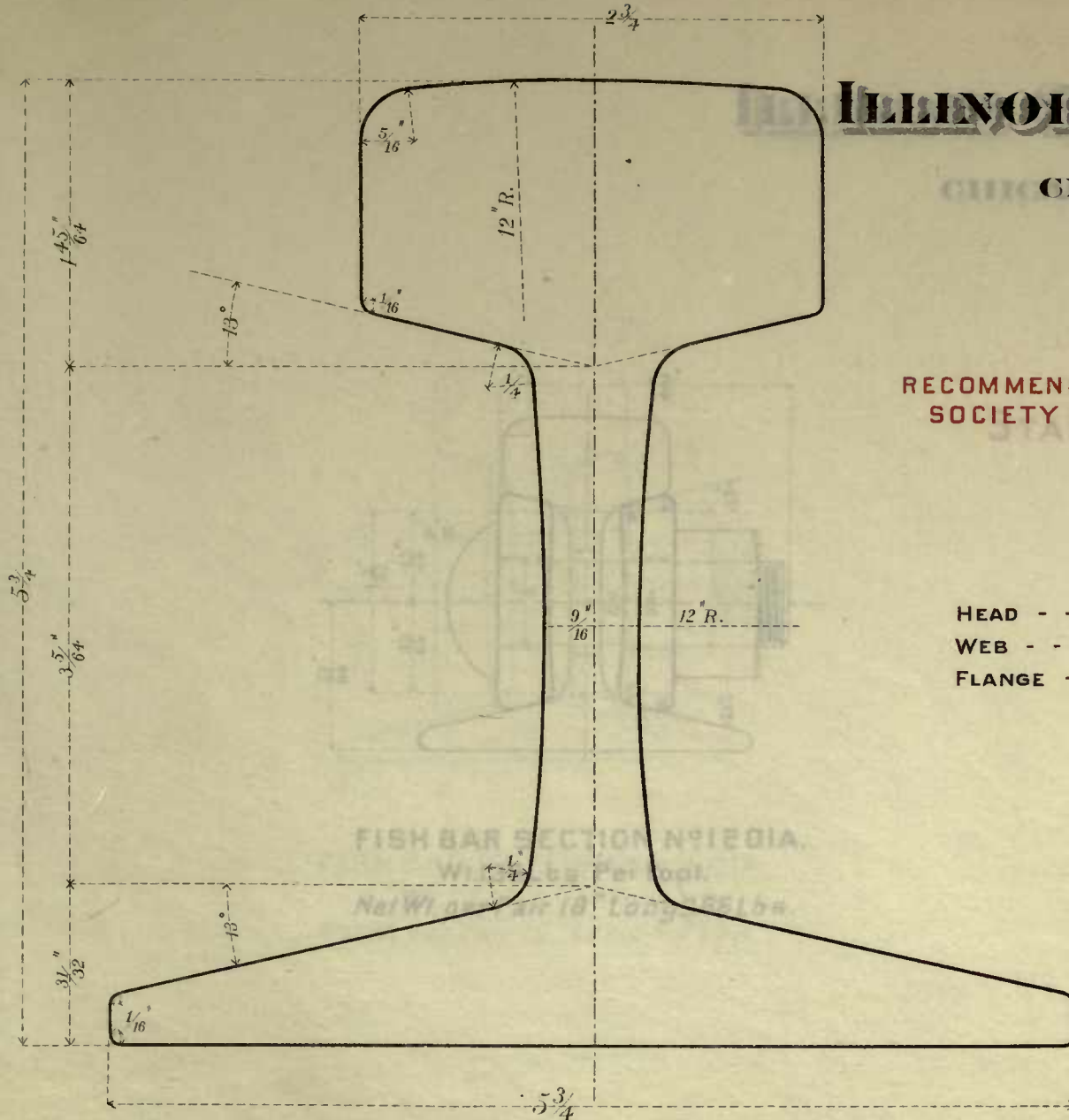
ILLINOIS STEEL CO.

CHICAGO.

RECOMMENDED BY THE AMERICAN
SOCIETY OF CIVIL ENGINEERS.

HEAD - - 42 %
WEB - - 21 "
FLANGE - 37 "

FOR LIST OF ROADS USING
THIS RAIL SEE INDEX.



SECTION N^o 10001.

Wt. 100 Lbs. Per Yard.

Requires $157\frac{320}{2240}$ Tons per Mile of Track.

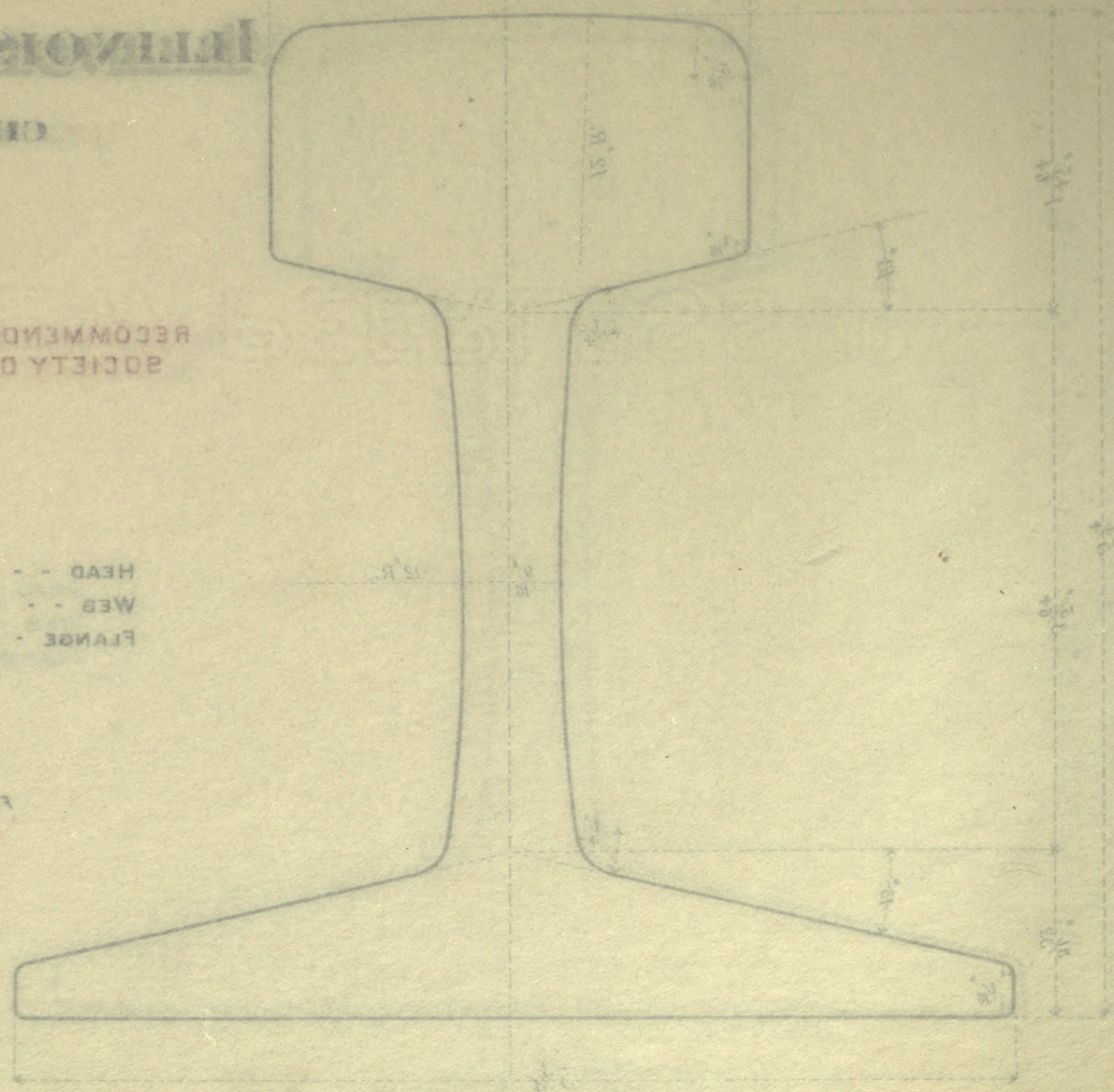
ILLINOIS STEEL CO

CHICAGO.

RECOMMENDED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS.

HEAD - - 45%
WEB - - 21"
FLANGE - 37"

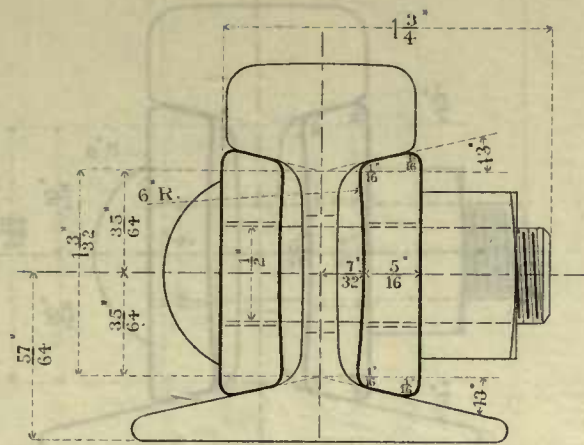
FOR LIST OF ROADS USING THIS RAIL SEE INDEX.



SECTION No 10001
Wt 100 Lbs Per Yard
Requires 157 1/2 Tons per Mile of Track

ILLINOIS STEEL CO.

CHICAGO.



STANDARD.

FISH BAR SECTION N^o 1201A.

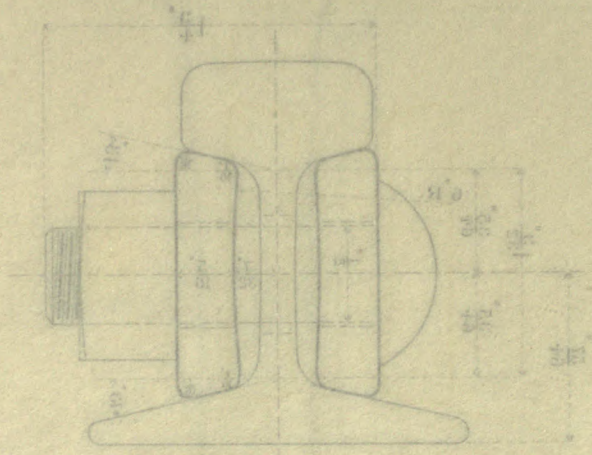
Wt. 1.36 Lbs. Per Foot.

Net Wt. per Pair 18" Long 3.86 Lbs.

HAMMOND STEEL CO

CHICAGO.

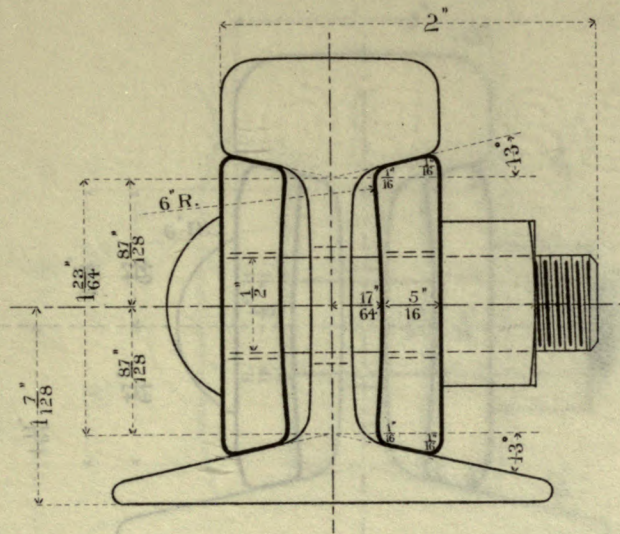
STANDARD.



FISH BAR SECTION No 1501A.
 Wt 138 lbs Per Foot.
 Net Wt per Pair 18" Long 38 lbs.

ILLINOIS STEEL CO.

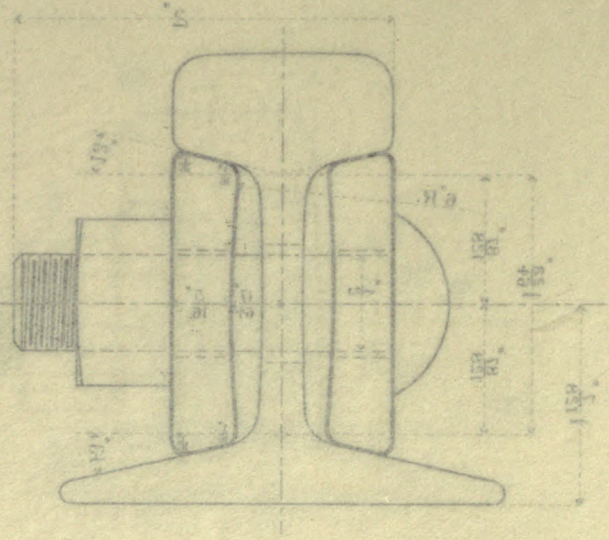
CHICAGO.



STANDARD.

FISH BAR SECTION N^o 1601A.
 Wt. 1.7 Lbs. Per Foot.
 Net Wt. per Pair 18" Long 4.9 Lbs.

FISH BAR SECTION No 1801A.
Wt. 17 Lbs. Per Foot.
Net Wt. per Pair 18" Long 4.9 Lbs.

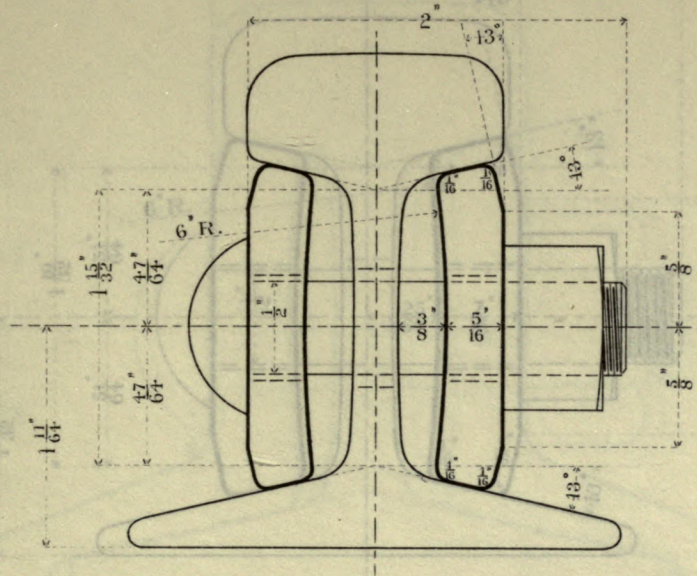


STANDARD.

CHICAGO.

ILLINOIS STEEL CO.

ILLINOIS STEEL CO.
CHICAGO.
CHICAGO.



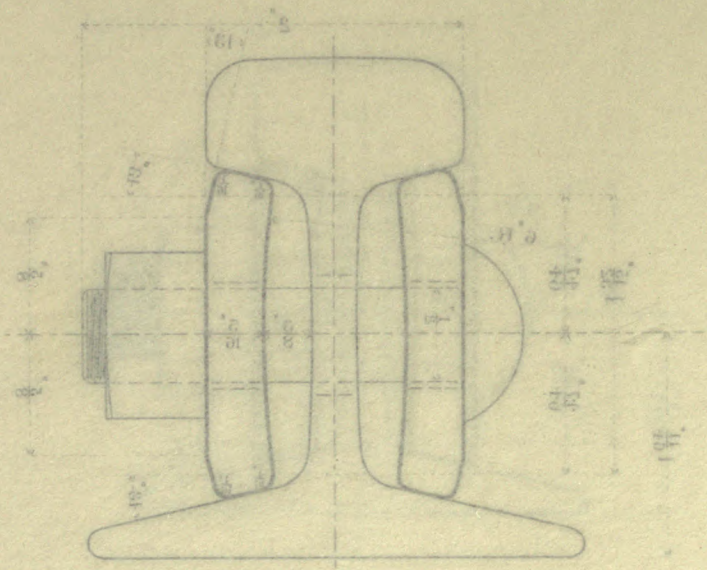
STANDARD.

FISH BAR SECTION N°2001A.
Wt. 1.87 Lbs. Per Foot.
Net Wt. per Pair 18" Long 5.4 Lbs.

AMERICAN STEEL CO.

CHICAGO.

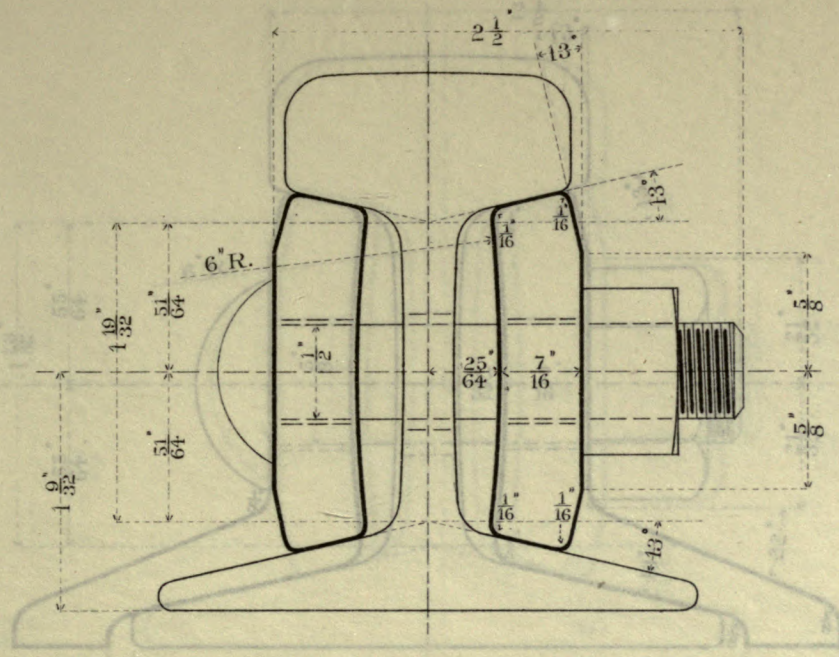
STANDARD.



FISH BAR SECTION NO. 501A.
 Wt. 1.87 lbs. Per Foot.
 Net Wt. per Pair 18" Long 24 lbs.

ILLINOIS STEEL CO.

CHICAGO.



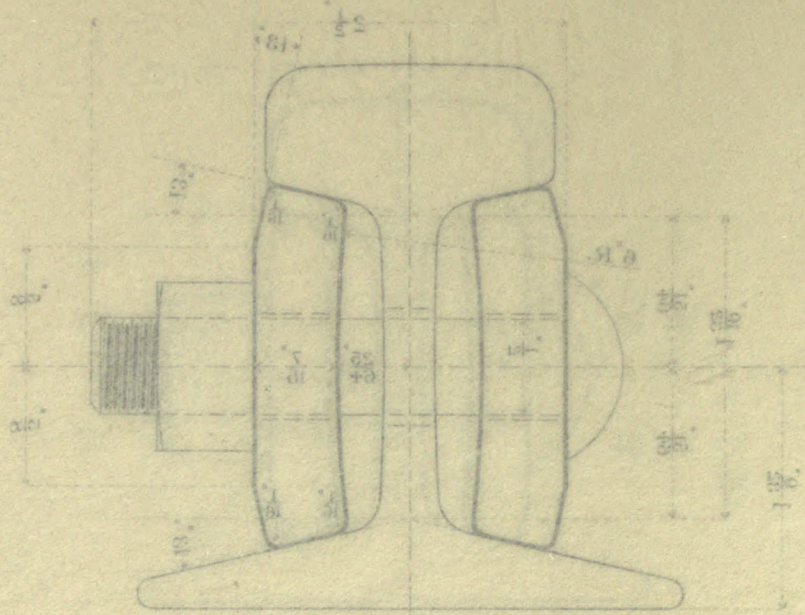
STANDARD.
STANDARD.

FISH BAR SECTION N^o2501A.
Wt. 2.82 Lbs. Per Foot.
Net Wt. per Pair 18" Long 8.2 Lbs.
Wt. 4.49 Lbs. Per Foot.
Net Wt. per Pair 21" Long 15.1 Lbs.

WILSON'S STEEL CO.

CHICAGO.

STANDARD.

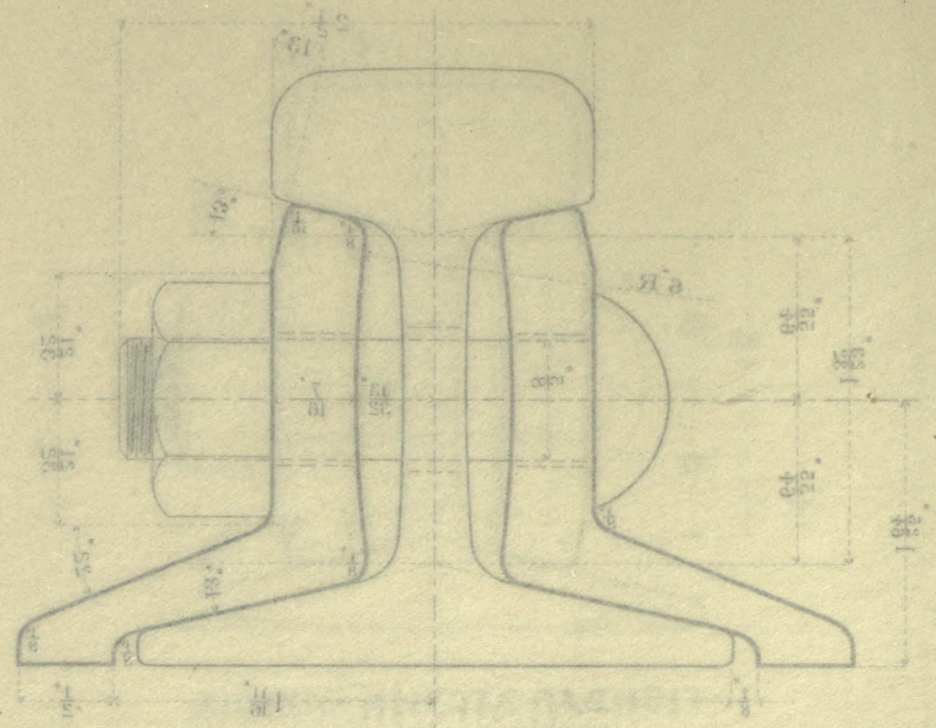


FISH BAR SECTION No 5201A.
Wt. 5.85 lbs. Per Foot.
Net Wt. per Pair 18" Long 85 lbs.

AMERICAN STEEL CO.

CHICAGO.

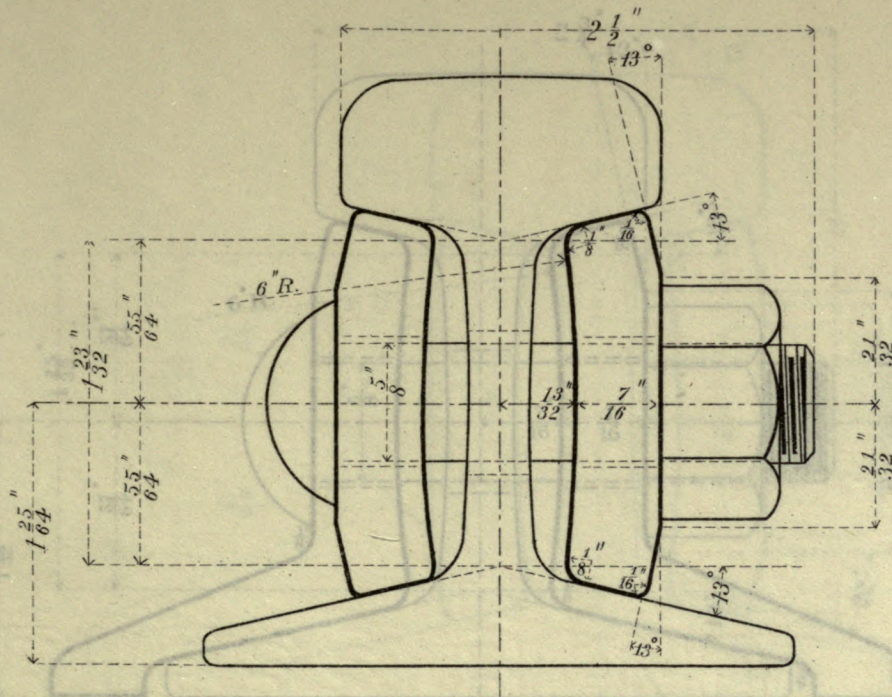
STANDARD.



ANGLE BAR SECTION NO. 3005A.
 Wt. 4.42 lbs. Per Foot.
 Net Wt. per Pair 51" Long 121 lbs.

ILLINOIS STEEL CO.

CHICAGO.



STANDARD.

FISH BAR SECTION N^o3002B.

Wt. 2.96 Lbs. Per Foot.

Net Wt. per Pair 21" Long 9.86 Lbs.

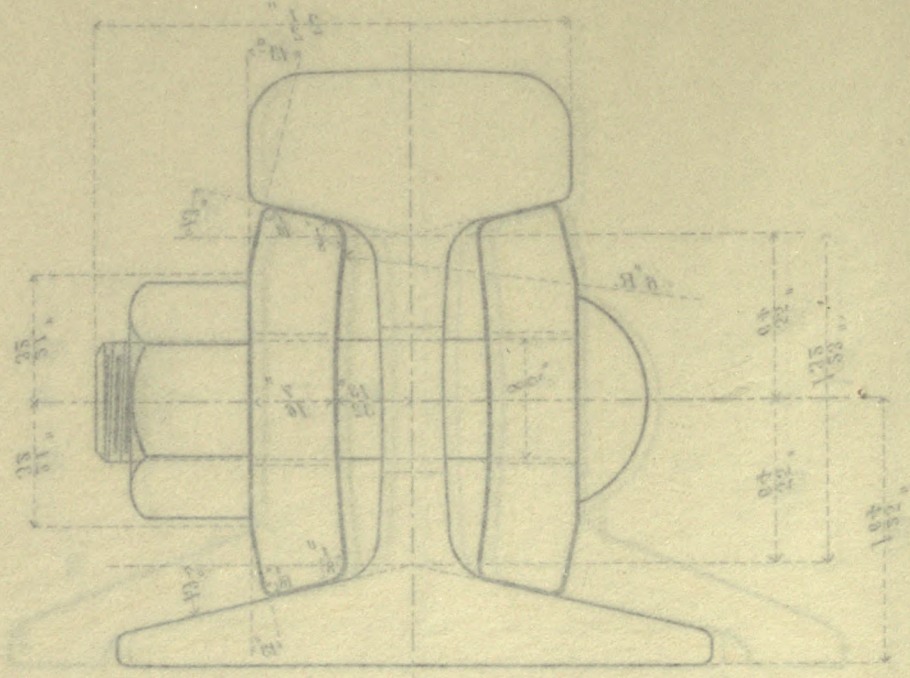
Wt. 4.7 Lbs. Per Foot.

Net Wt. per Pair 21" Long 15.9 Lbs.

WILSON'S SHEET CO.

CHICAGO.

STANDARD.

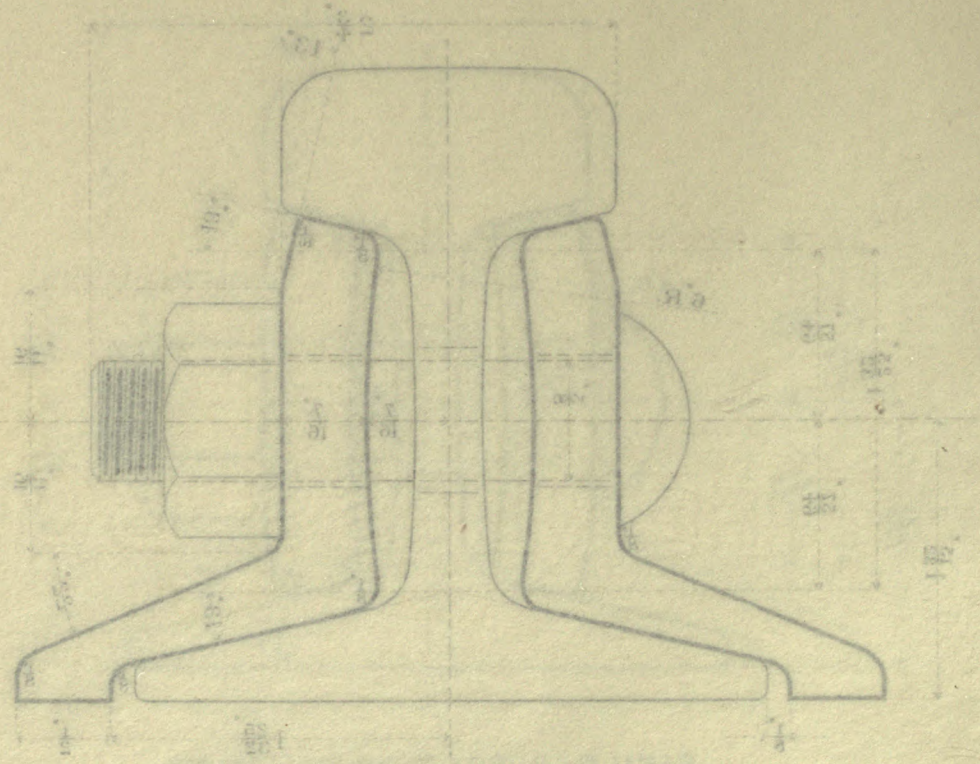


FISH BAR SECTION No 3005B.
 Wt 5.96 Lbs Per Foot.
 Net Wt per Pair 51" Long 386 Lbs.

BRINNO'S STEEL CO.

CHICAGO.

STANDARD.

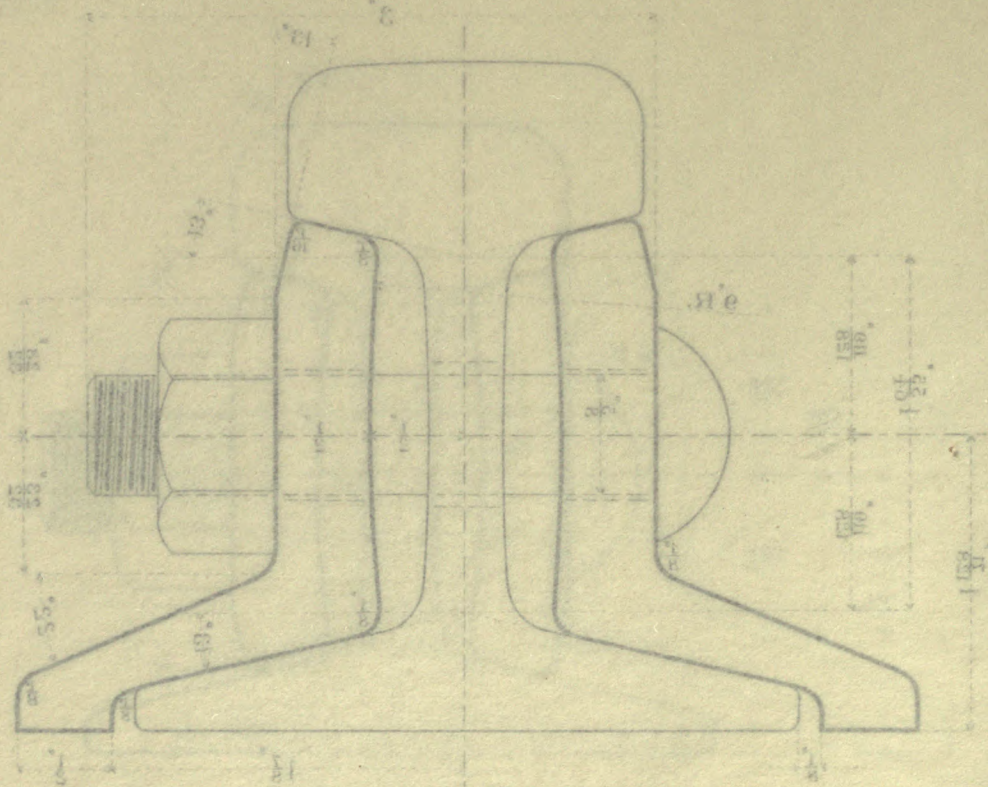


ANGLE BAR SECTION NO. 3205A.
 Net Wt. per Pair 21' Long 159 lbs.
 Wt. 47 lbs. per Foot.

13
LILLIONS STEEL CO

CHICAGO.

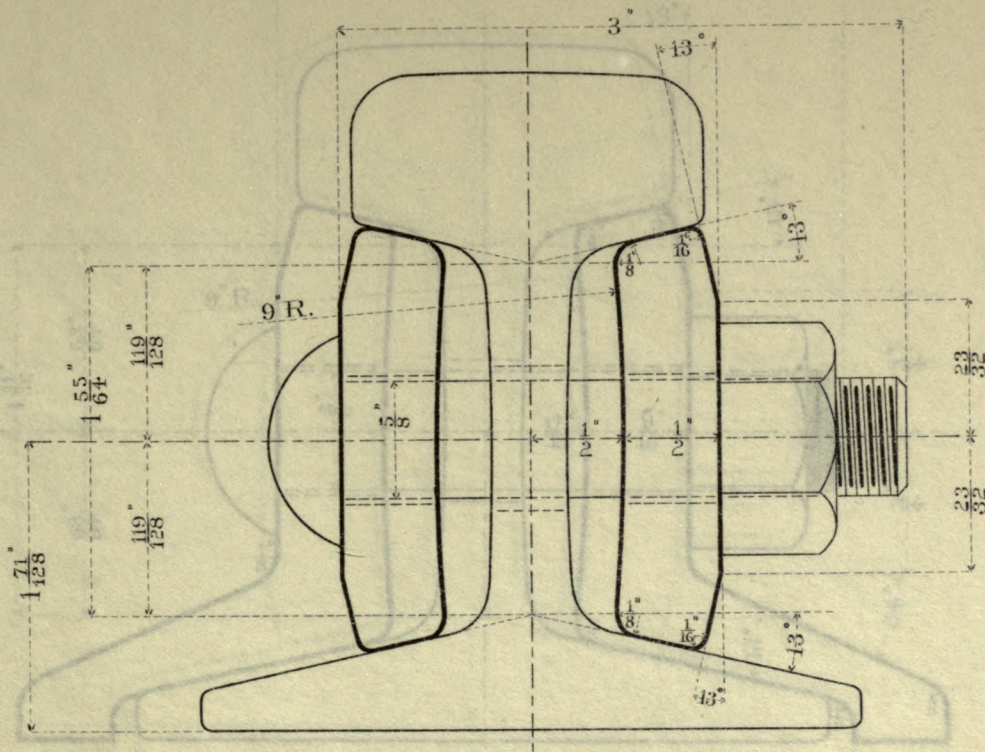
STANDARD.



ANGLE BAR SECTION No. 4004A.
Wt. 5.24 lbs. Per Foot.
Net Wt. per Pair 21" Long 18.8 lbs.

ILLINOIS STEEL CO.

CHICAGO.



STANDARD.

FISH BAR SECTION N^o 4004B.

Wt. 3.74 Lbs. Per Foot.

Net Wt. per Pair 21" Long 12.52 Lbs.

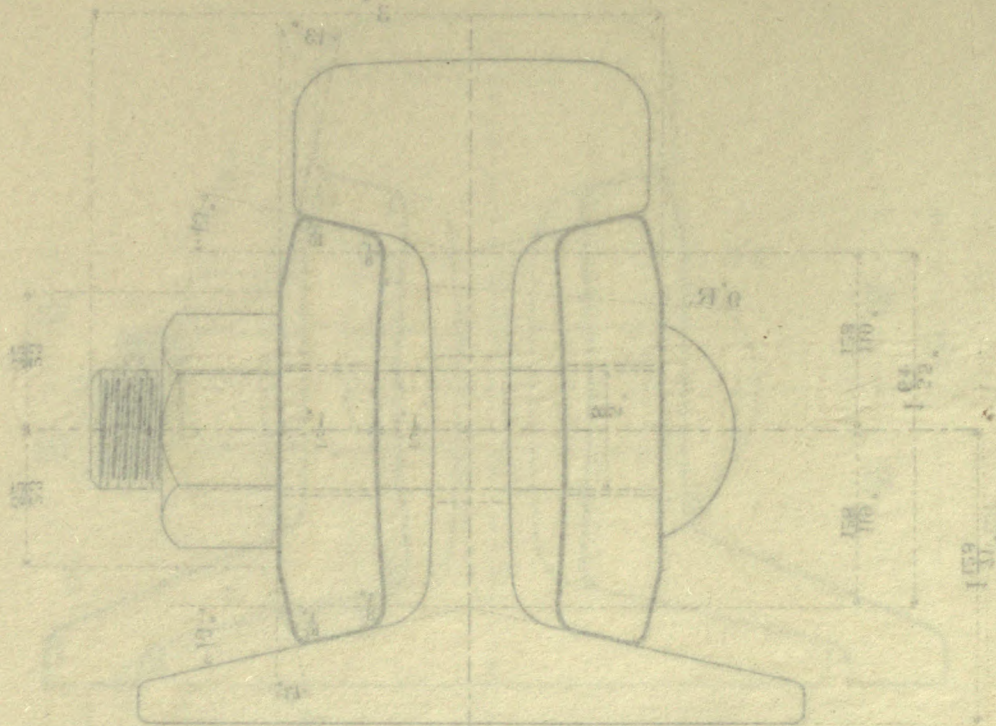
Wt. 5.3 Lbs. Per Foot

Net Wt. per Pair 21" Long 21.5 Lbs.

1
HAINES STEEL CO.

CHICAGO.

STANDARD.

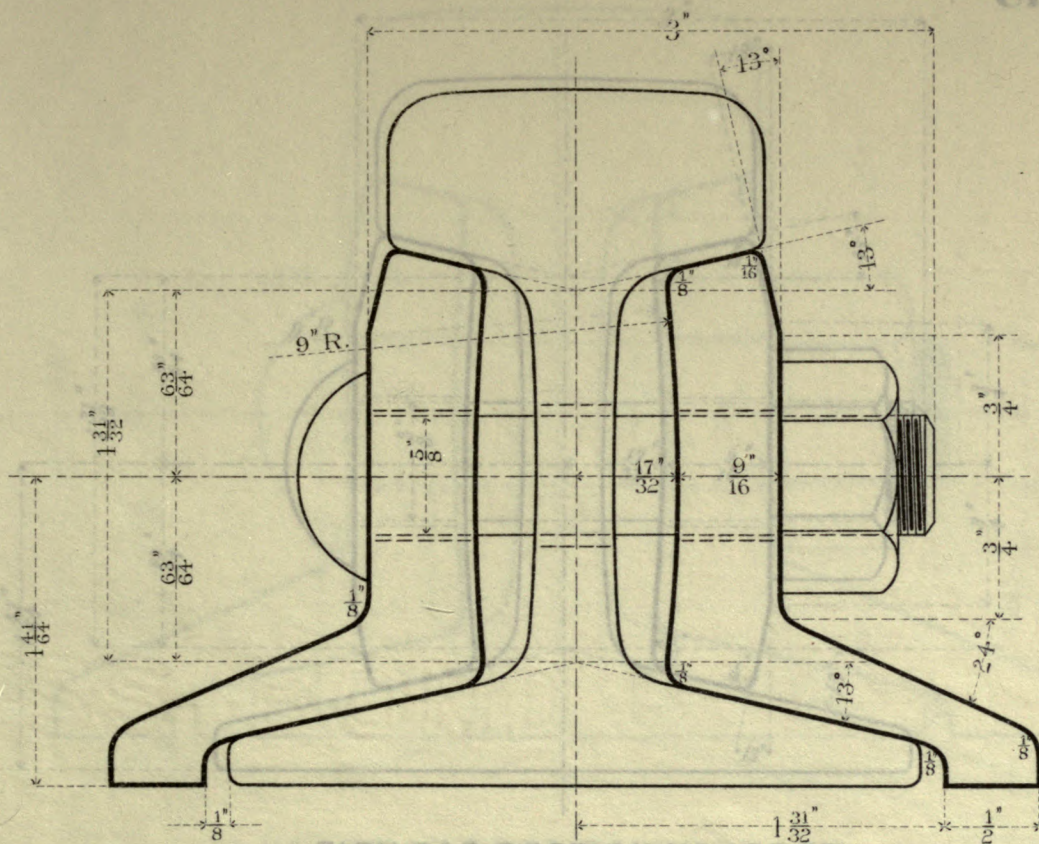


FISH BAR SECTION No 4004B
Wt. 374 Lbs. Per Foot
Net Wt. per Pair 57 Long 155 Lbs.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.



FISH BAR SECTION N^o 4504B.

ANGLE BAR SECTION N^o 4504A.

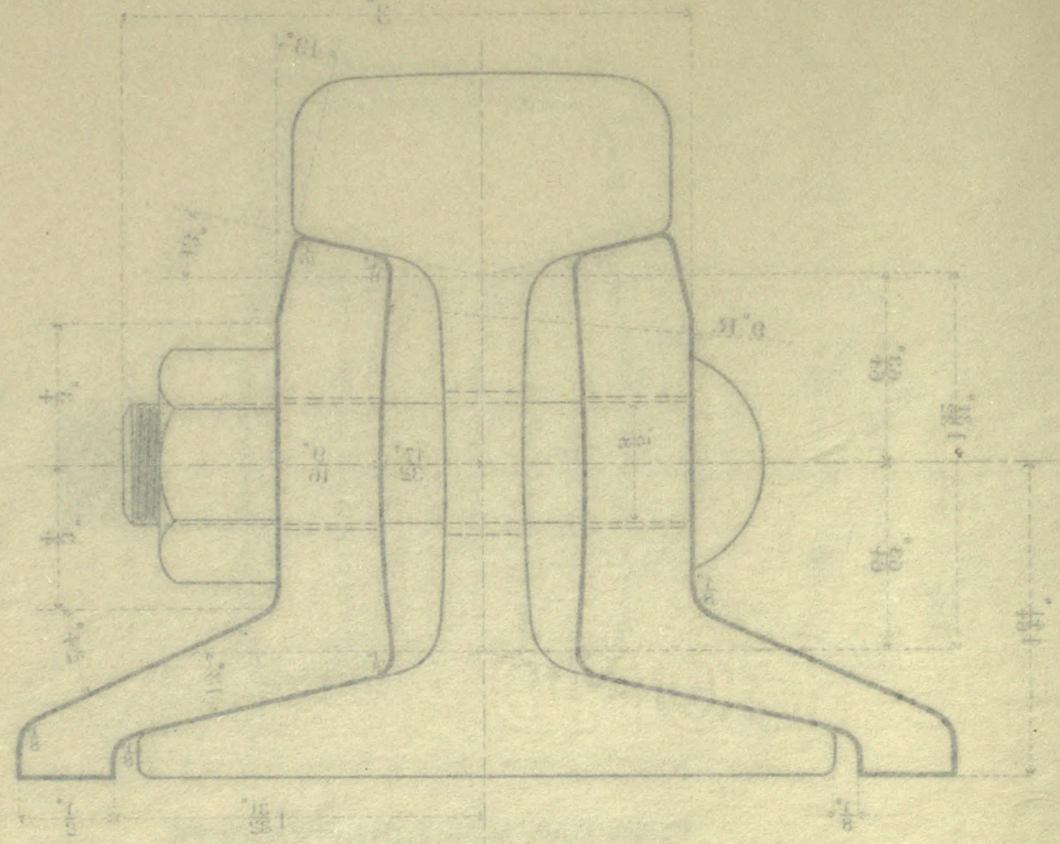
Wt. 6.3 Lbs. Per Foot.

Net Wt. per Pair 21" Long 21.5 Lbs.

BRUNNEN STEEL CO.

CHICAGO.

STANDARD

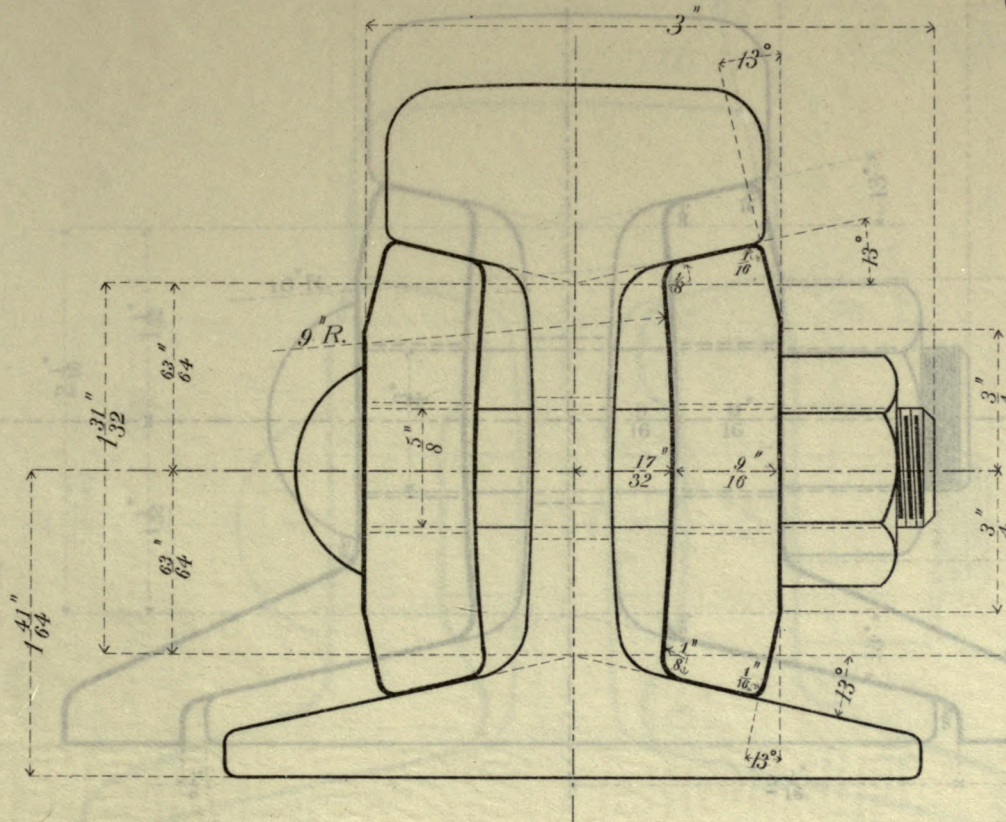


ANGLE BAR SECTION No. 4204 A.
 Wt. 6.3 Lbs. Per Foot.
 Net Wt. per Pair 51" Long 21.5 Lbs.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.
STANDARD.



ANG FISH BAR SECTION N^o 4504B.

Wt. 4.45 Lbs. Per Foot.

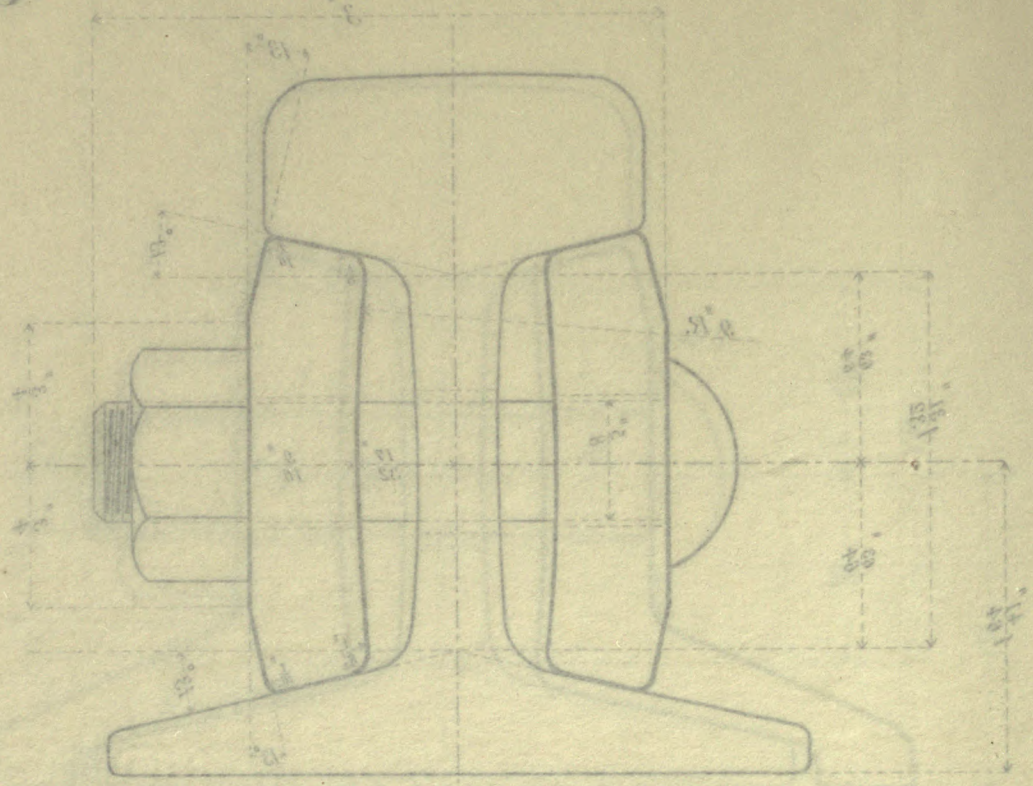
Net Wt. per Pair 21" Long 14.94 Lbs.

EXACT FIT RAIL SEC. 4802.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.

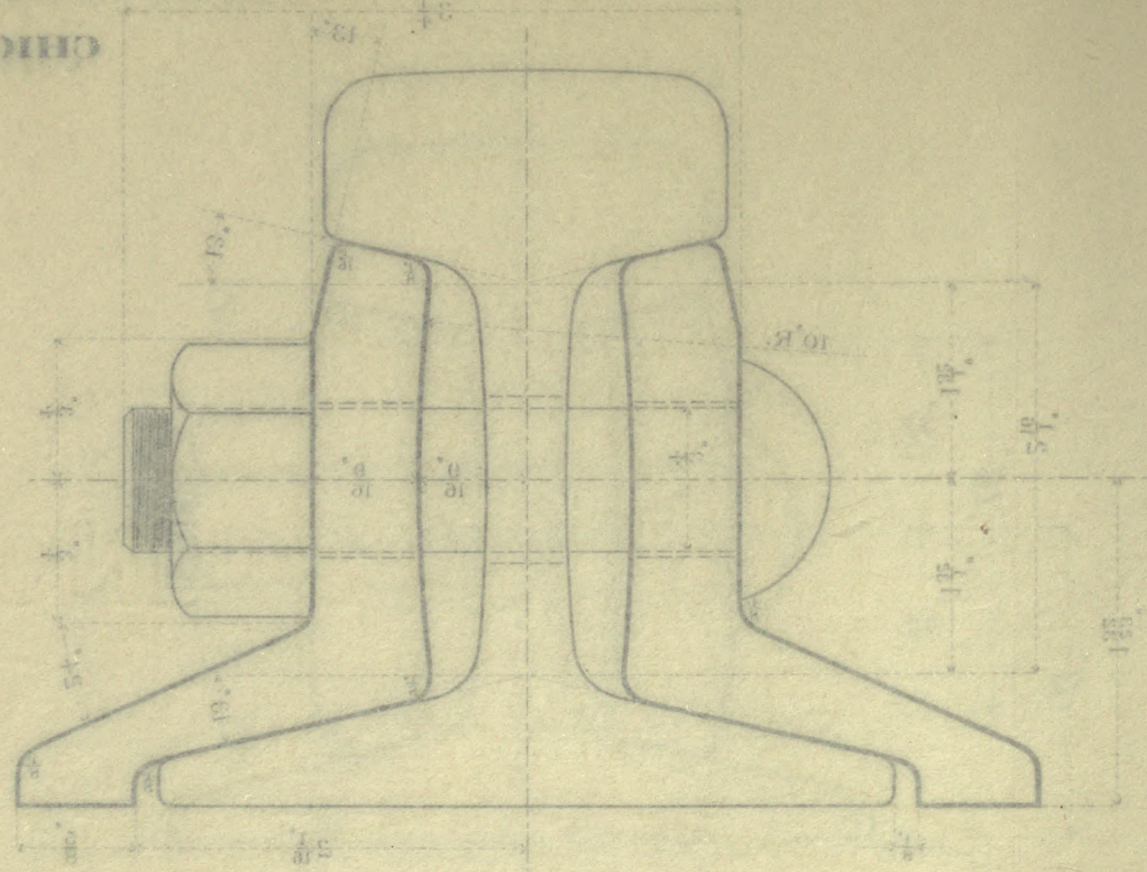


FISH BAR SECTION No 4504B.
 Wt. 4.5 lbs. Per Foot.
 Net Wt. per Pair 51" Long 49.4 lbs.

EXACT FIT RAIL SEC. 4805.

Net Wt. per Pair 51" Long 53.4 Lbs.
Wt 8 3/4 Lbs Per Foot.

ANGLE BAR SECTION No 2008A.



CHICAGO.

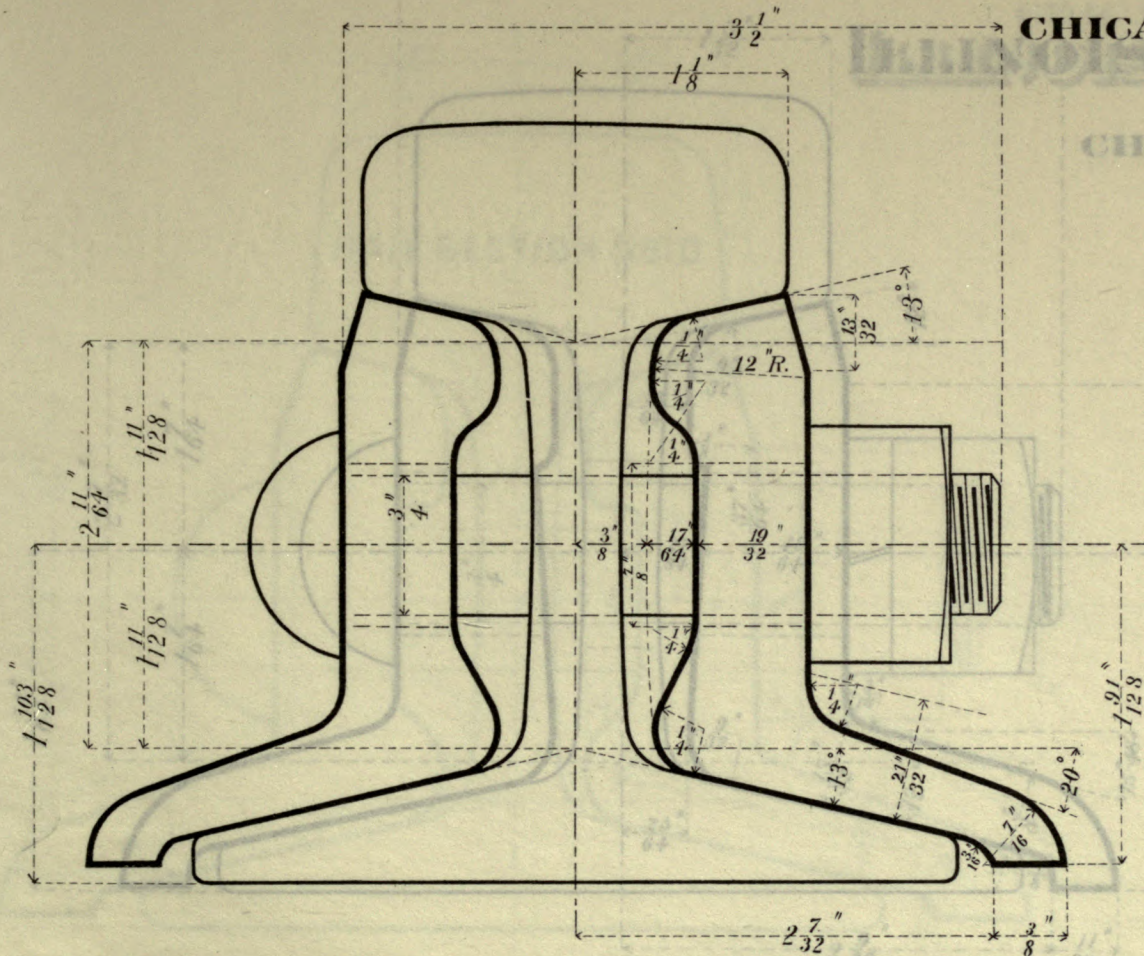
STANDARD.

BRUNNEN STEEL CO.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.



ANGLE BAR SECTION N° 5501-A.

Wt. 7.5 Lbs. Per Foot.

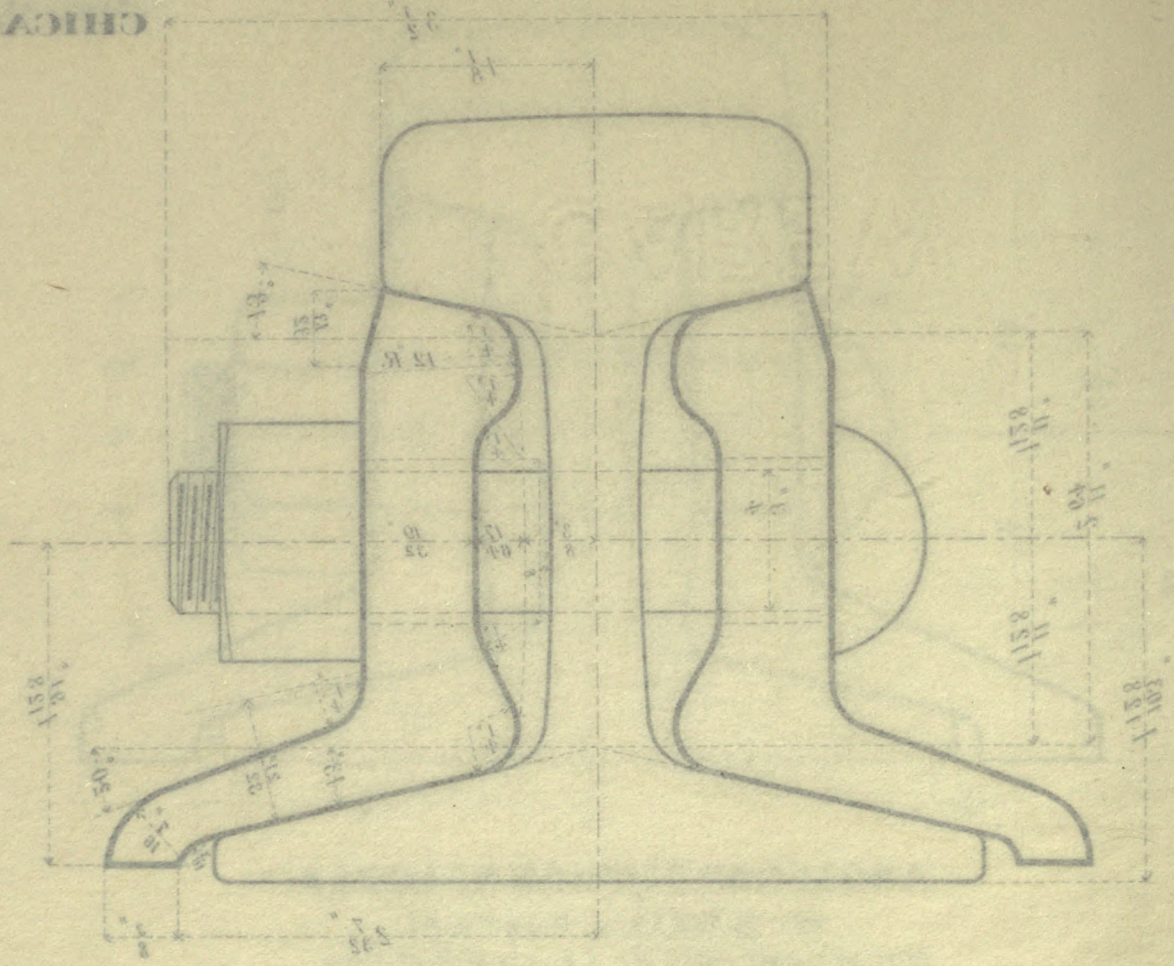
ANGLE BAR SECTION N° 5614 A.

Wt. 8.94 Lbs. Per Foot.

WILSON'S STEEL CO.

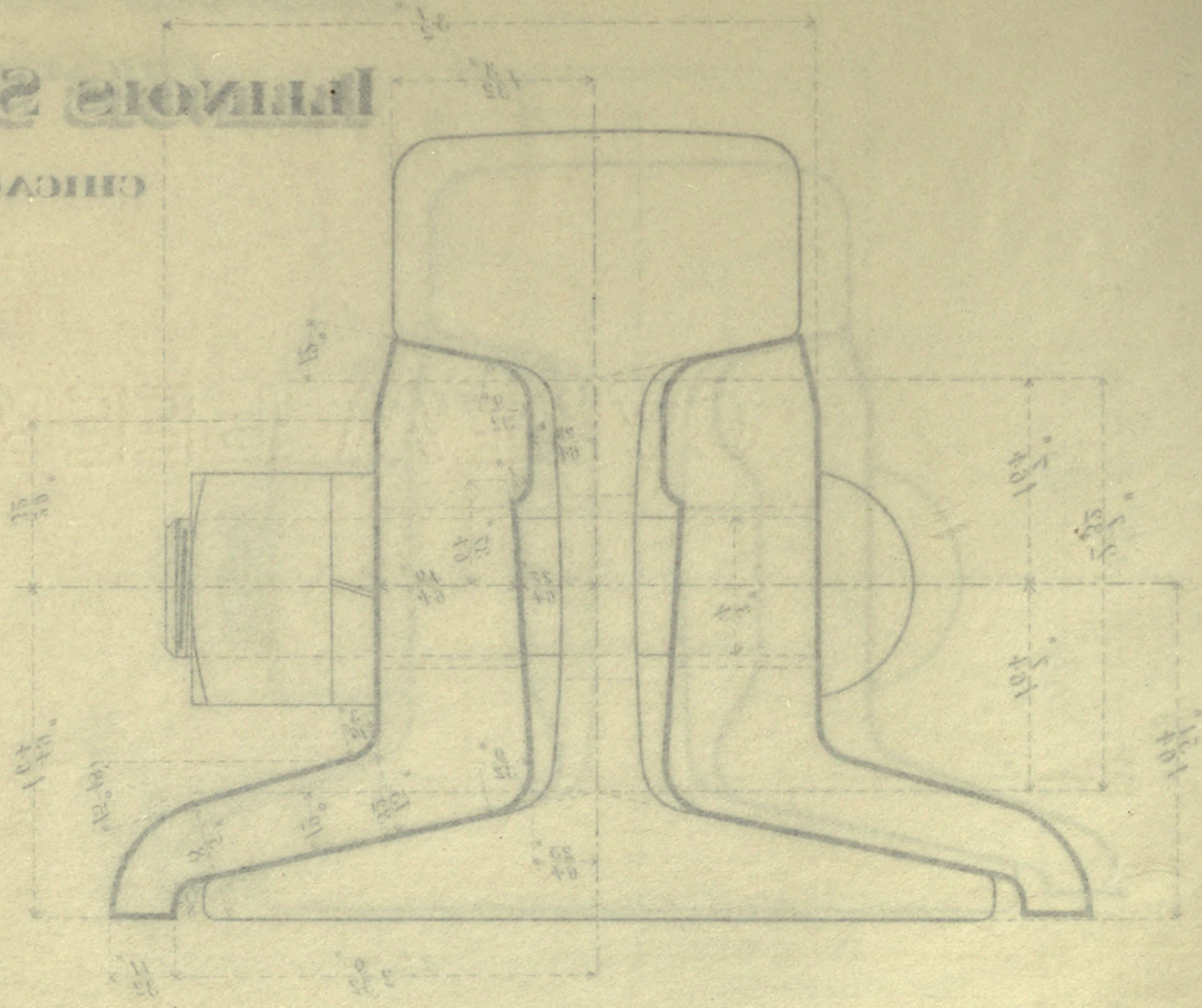
CHICAGO.

STANDARD.



ANGLE BAR SECTION No. 2501-A.
Wt. 7.5 Lbs. Per Foot.

BRINSON'S STEEL CO.
CHICAGO.

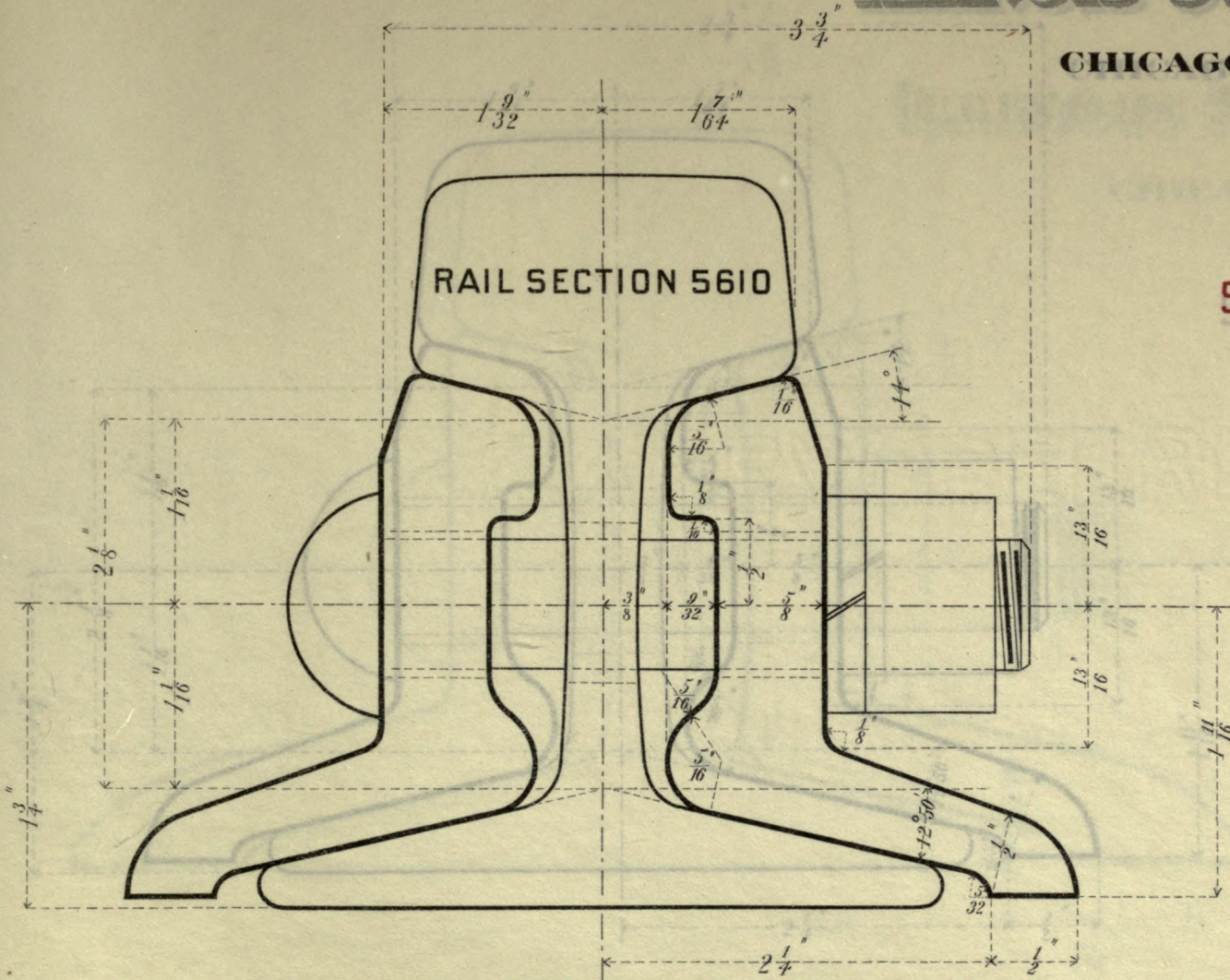


ANGLE BAR SECTION No. 2814 A.
Wt. 8.94 lbs Per Foot.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.

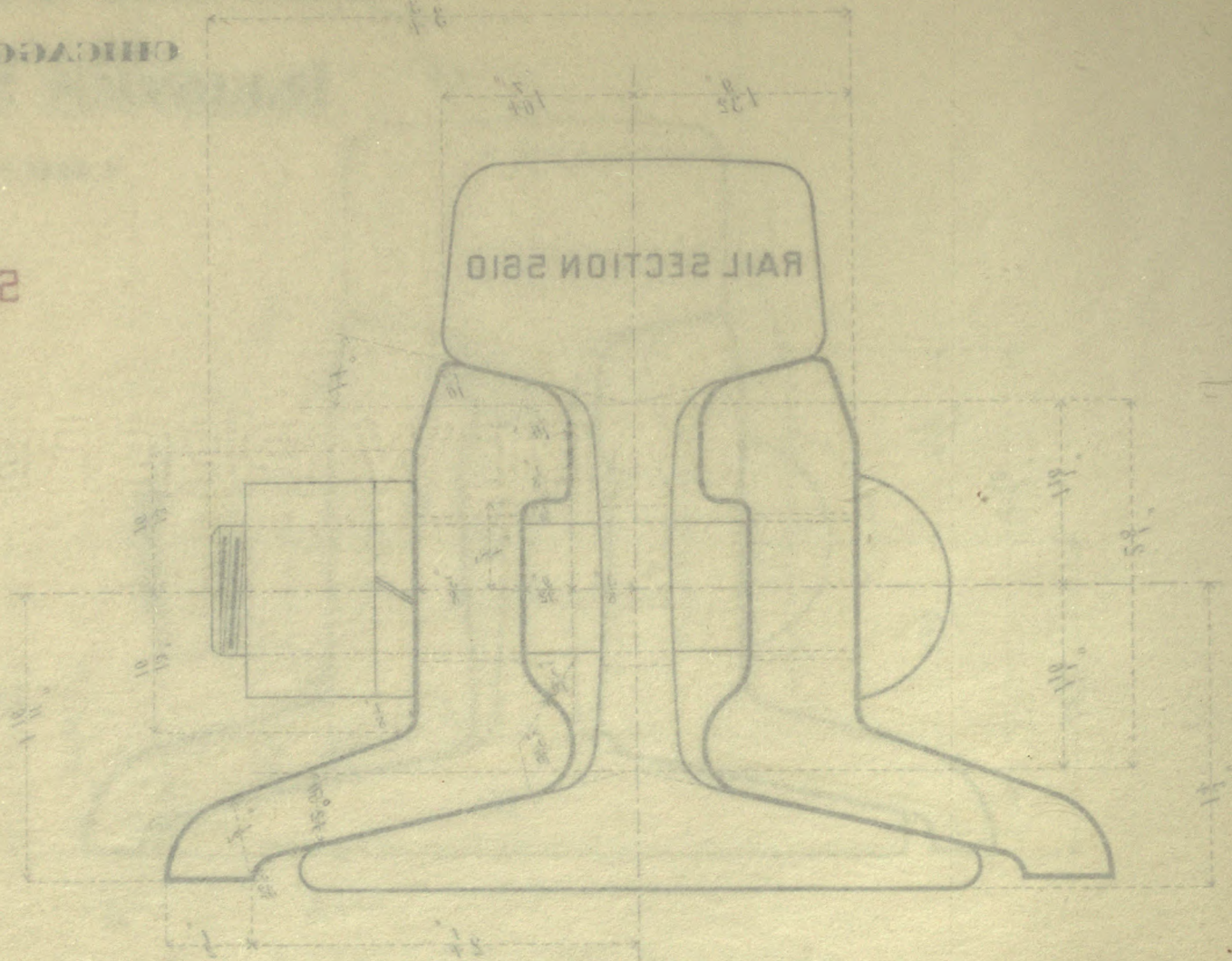


ANGLE BAR SECTION N° 6001A.
Wt. 8.63 Lbs. Per Foot.

WILKINS STEEL CO.

CHICAGO.

STANDARD.



ANGLE BAR SECTION NO. 8001A
Wt. 8.83 Lbs. Per Foot.

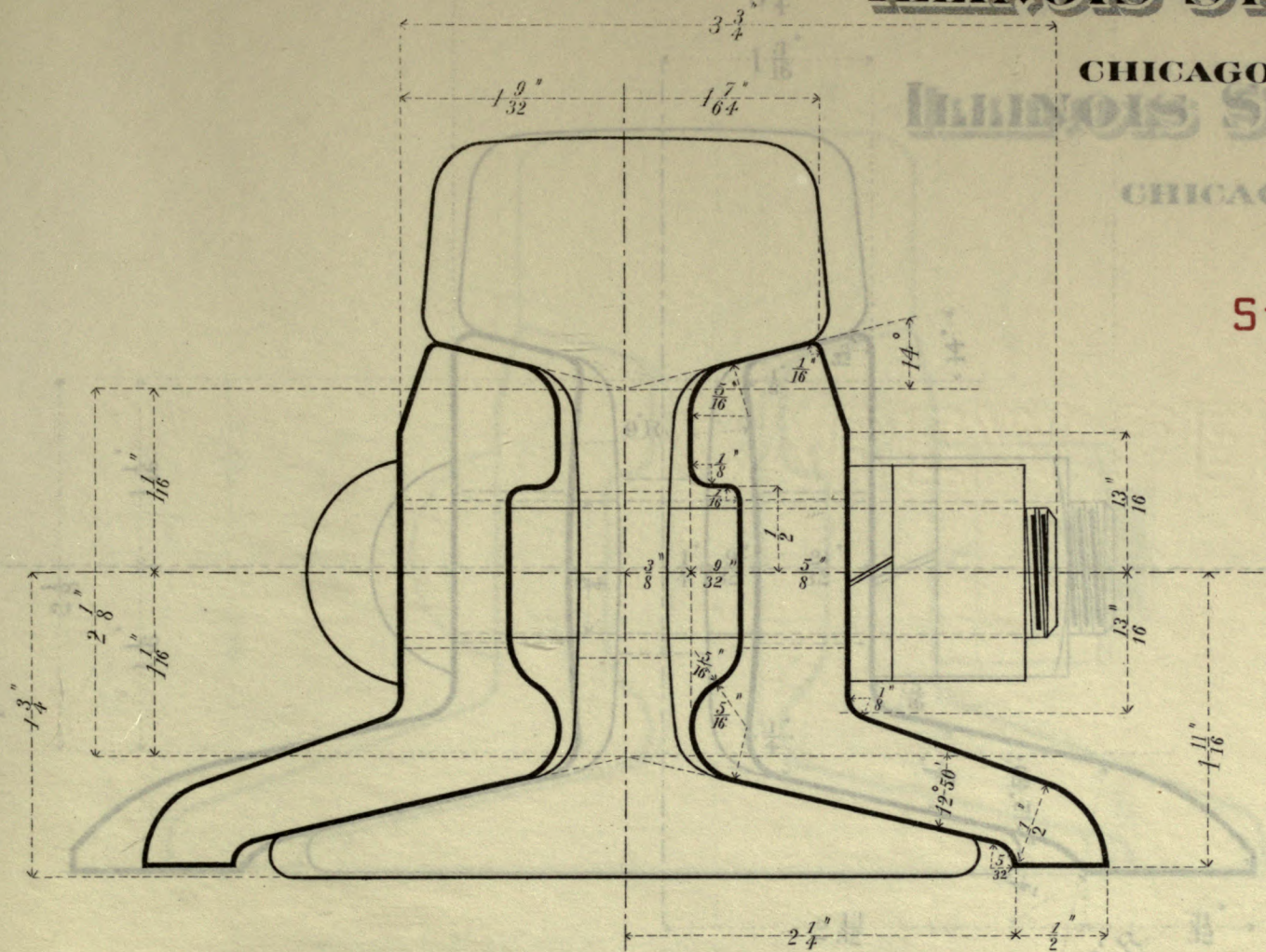
ILLINOIS STEEL CO.

CHICAGO.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.

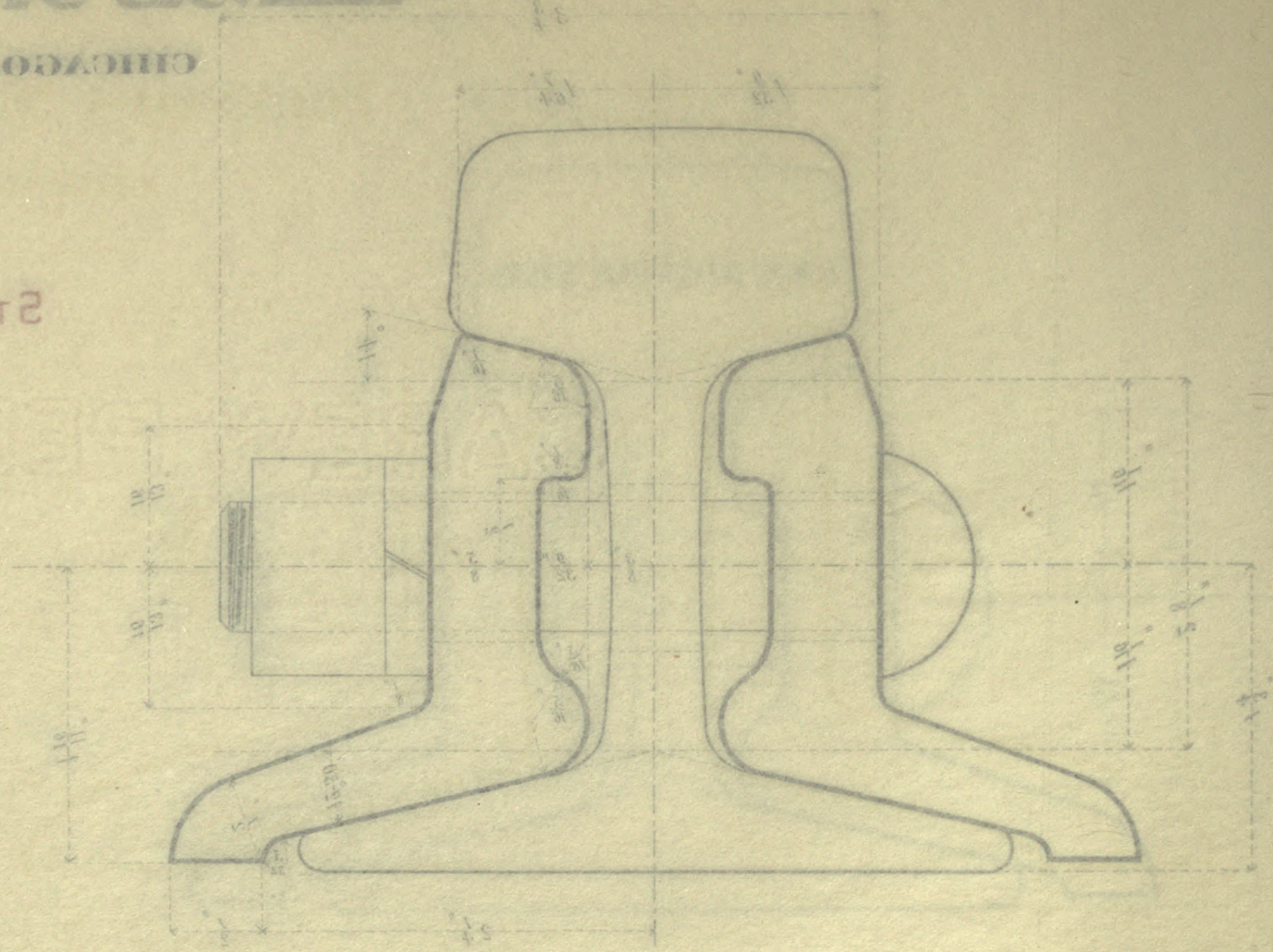


ANGLE BAR SECTION N° 6001A. B.
 Wt. 8.63 Lbs. Per Foot.

LINKERS STEEL CO.

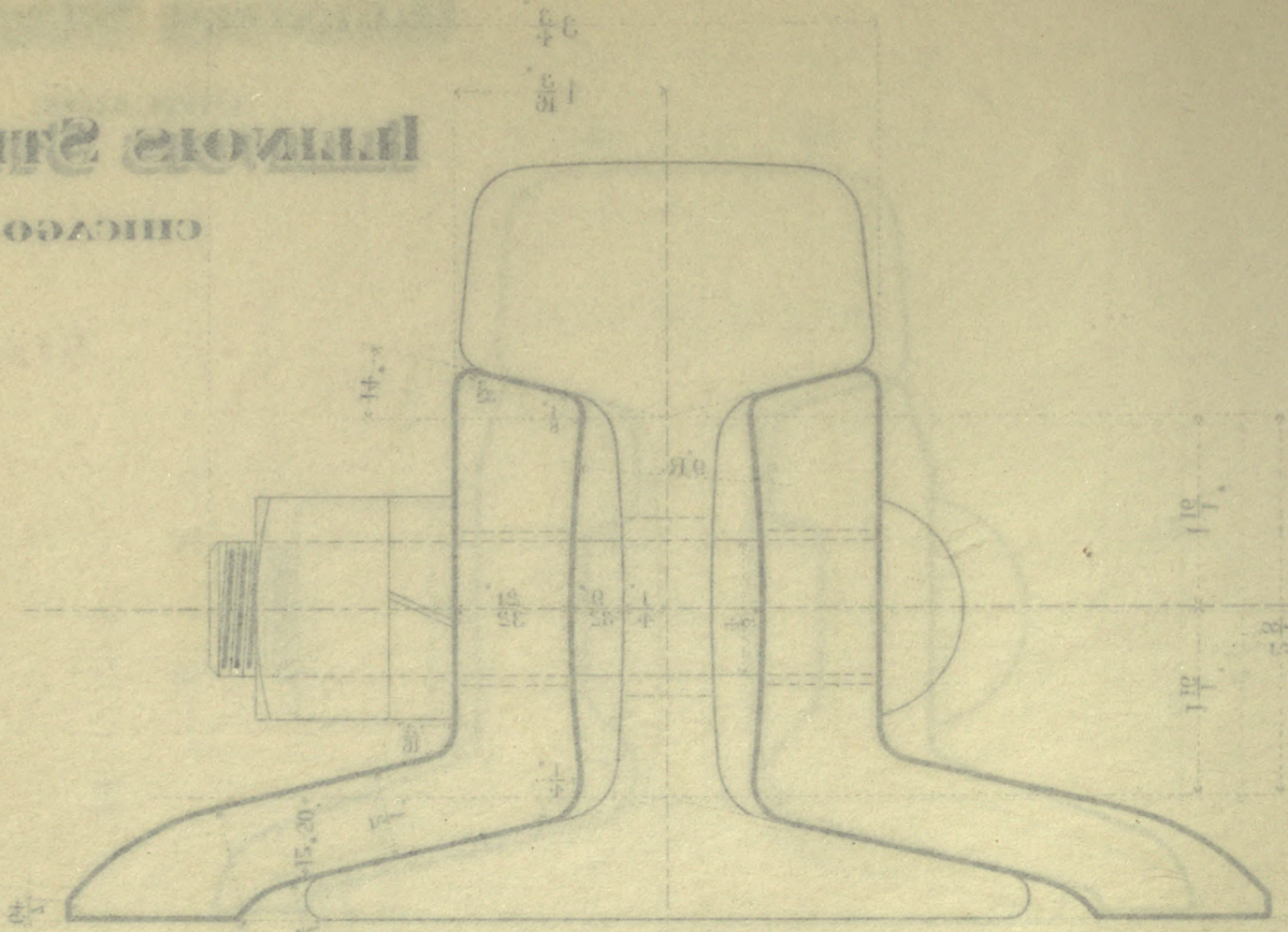
CHICAGO.

STANDARD



ANGLE BAR SECTION No 8001A.
Wt. 8.83 lbs Per Foot.

CHICAGO. LAMSON'S STEEL CO.

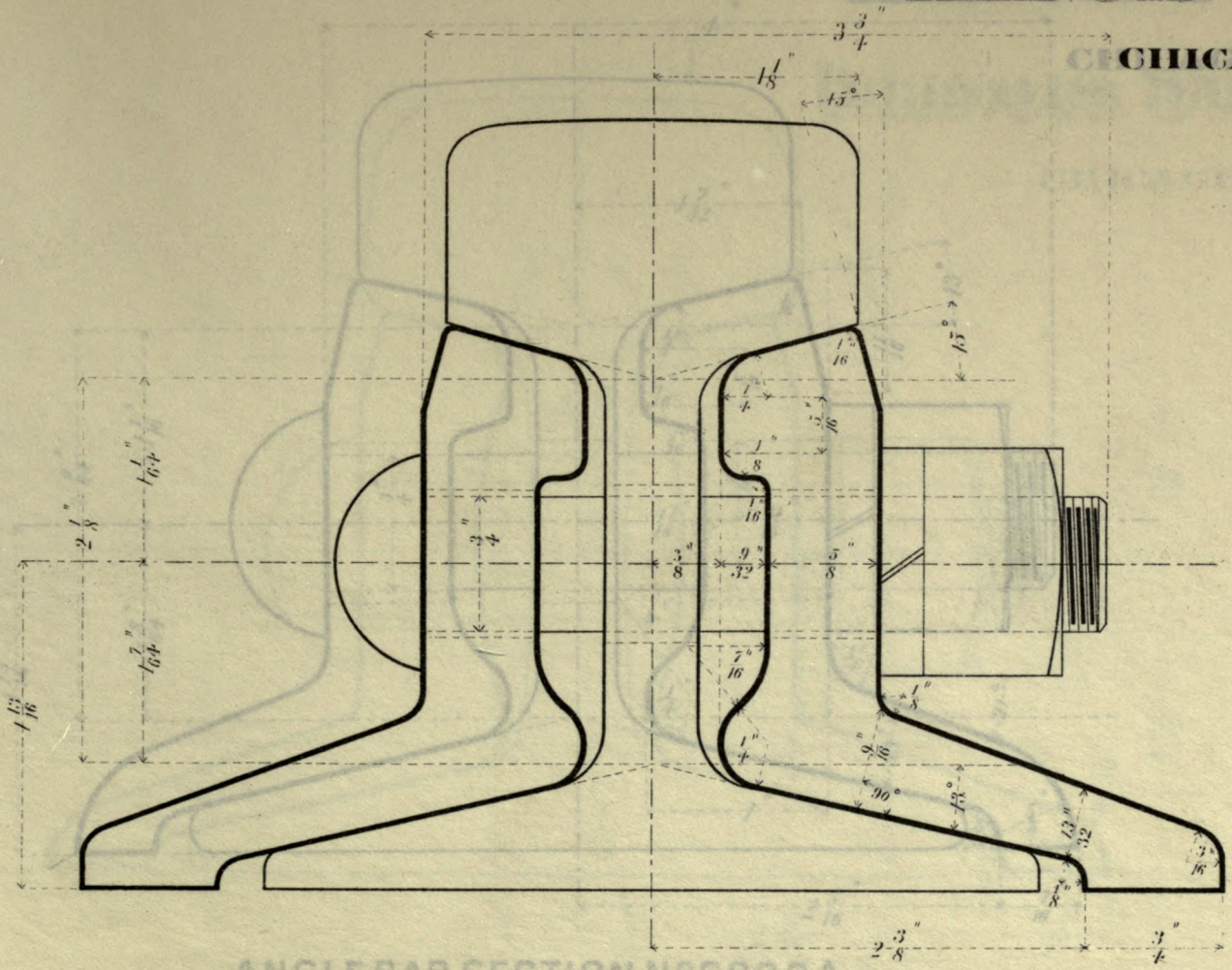


ANGLE BAR SECTION NO. 8001 B. Wt. 9.55 lbs. Per Foot.

1 1/8 IN. 3/4 IN.

ILLINOIS STEEL CO.

CHICAGO.



ANGLE BAR SECTION N^o 6007A.

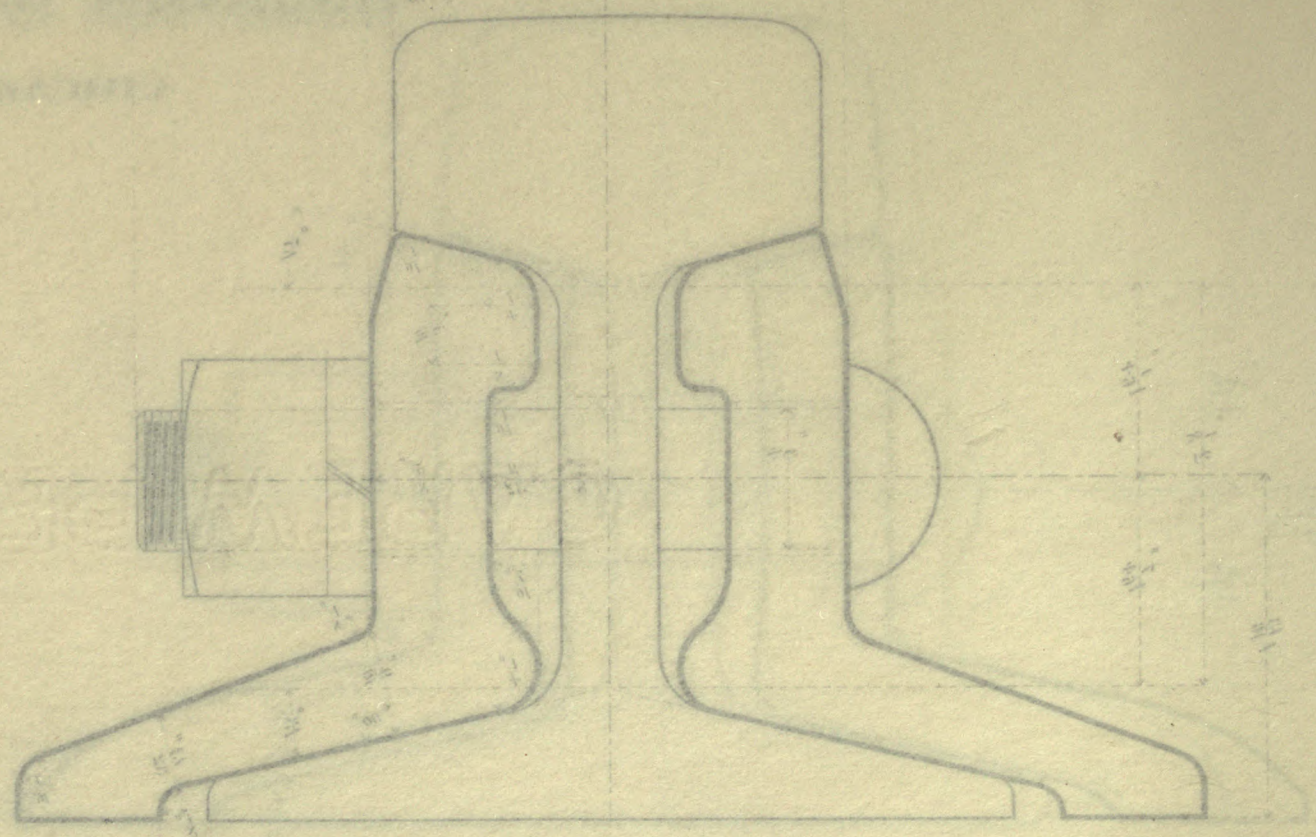
Wt. 9.28 Lbs. Per Foot.

ANGLE BAR SECTION N^o 6007A.

Wt. 9.48 Lbs. Per Foot.

0
LITTLEFIELD STEEL CO

CHICAGO.



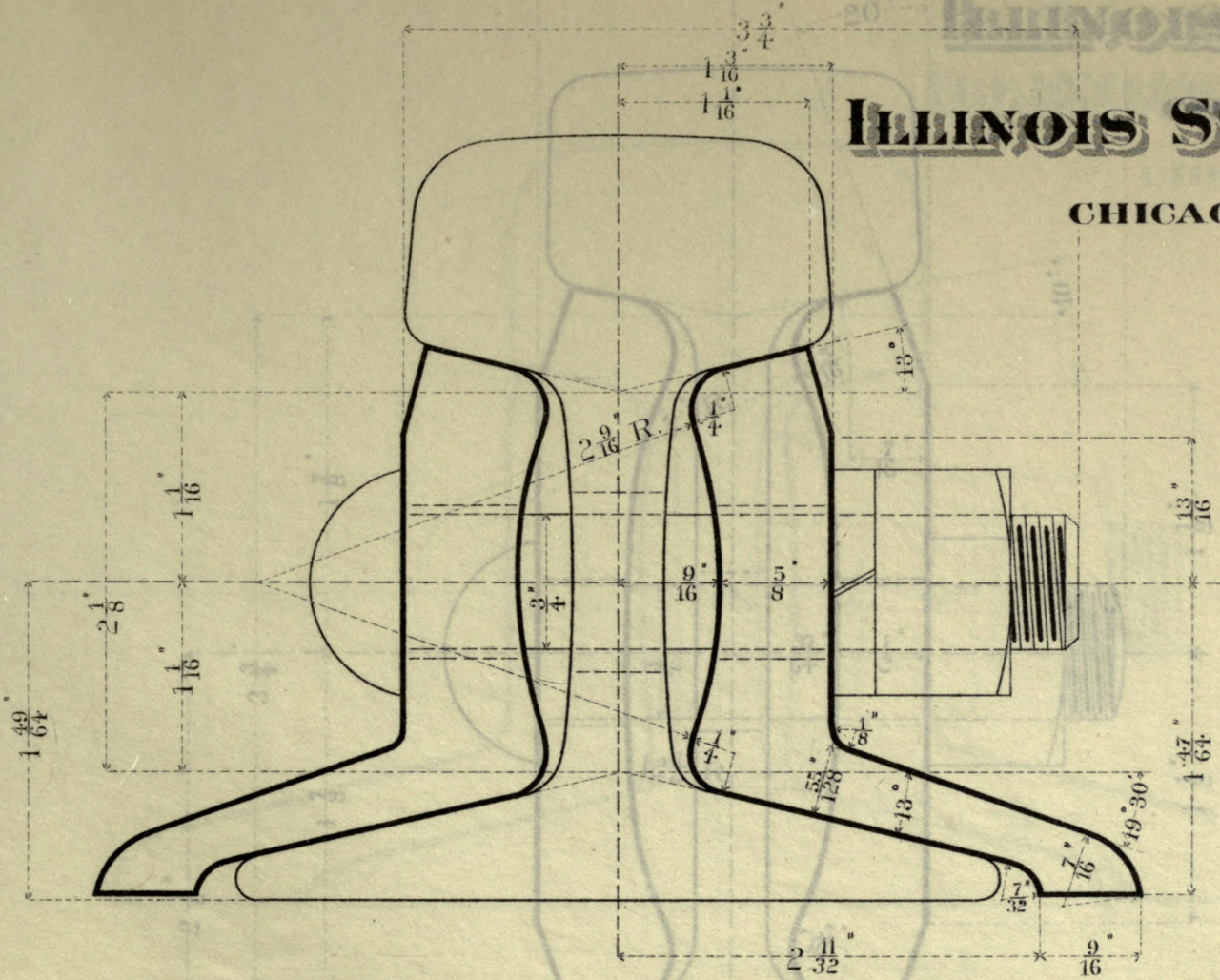
ANGLE BAR SECTION No 8007A.
Wt. 94.8 lbs Per Foot.

ILLINOIS STEEL CO.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.



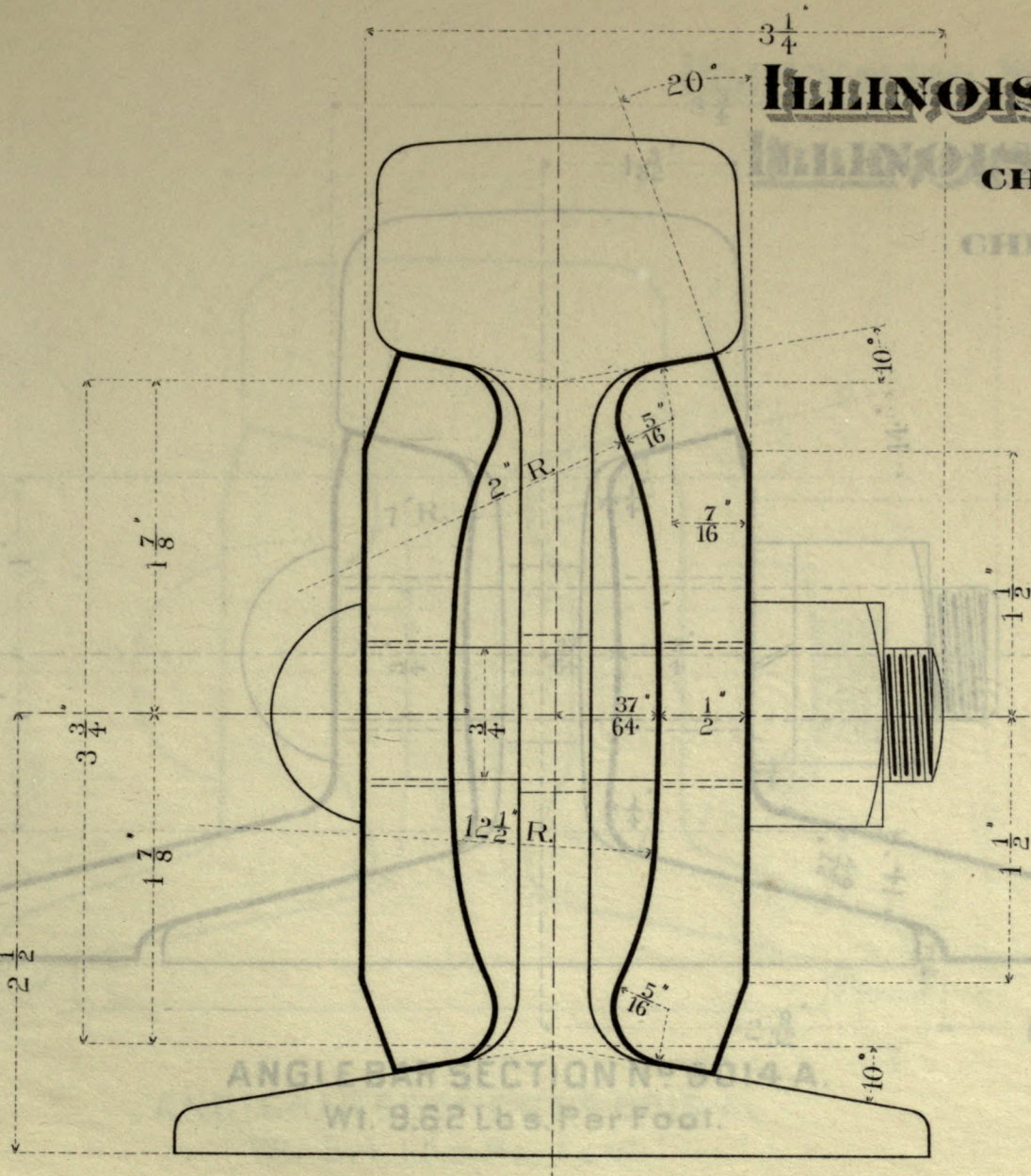
ANGLE BAR SECTION N° 6009 A.
Wt. 7.89 Lbs. Per Foot.

SPLICE BAR SECTION N° 6012 A.
 Wt. 7.6 Lbs. Per Foot.

ILLINOIS STEEL CO.

CHICAGO.

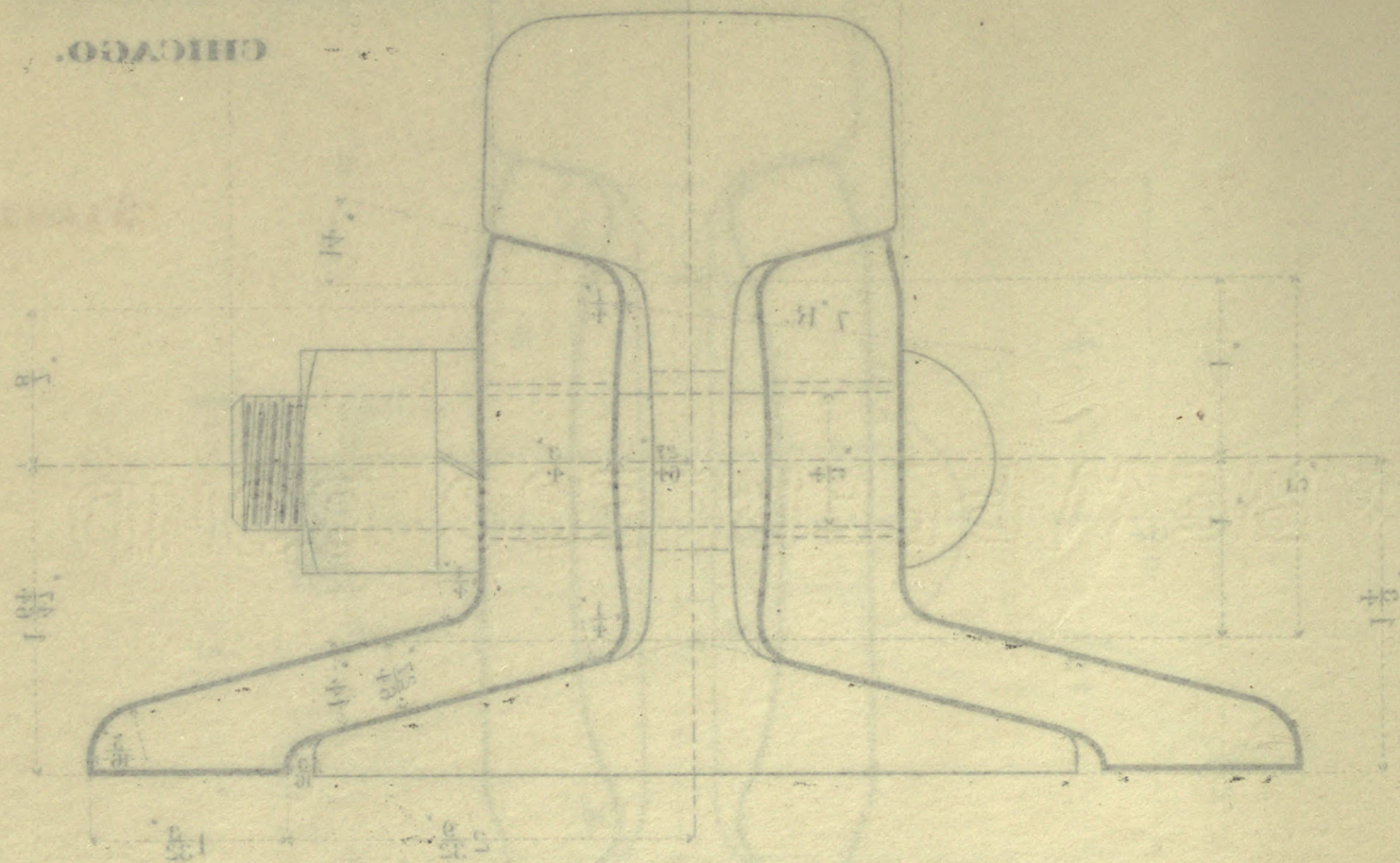
STANDARD.



SPLICE BAR SECTION N° 6012 A.
Wt. 7.6 Lbs. Per Foot.

AMERICAN STEEL CO.

CHICAGO.

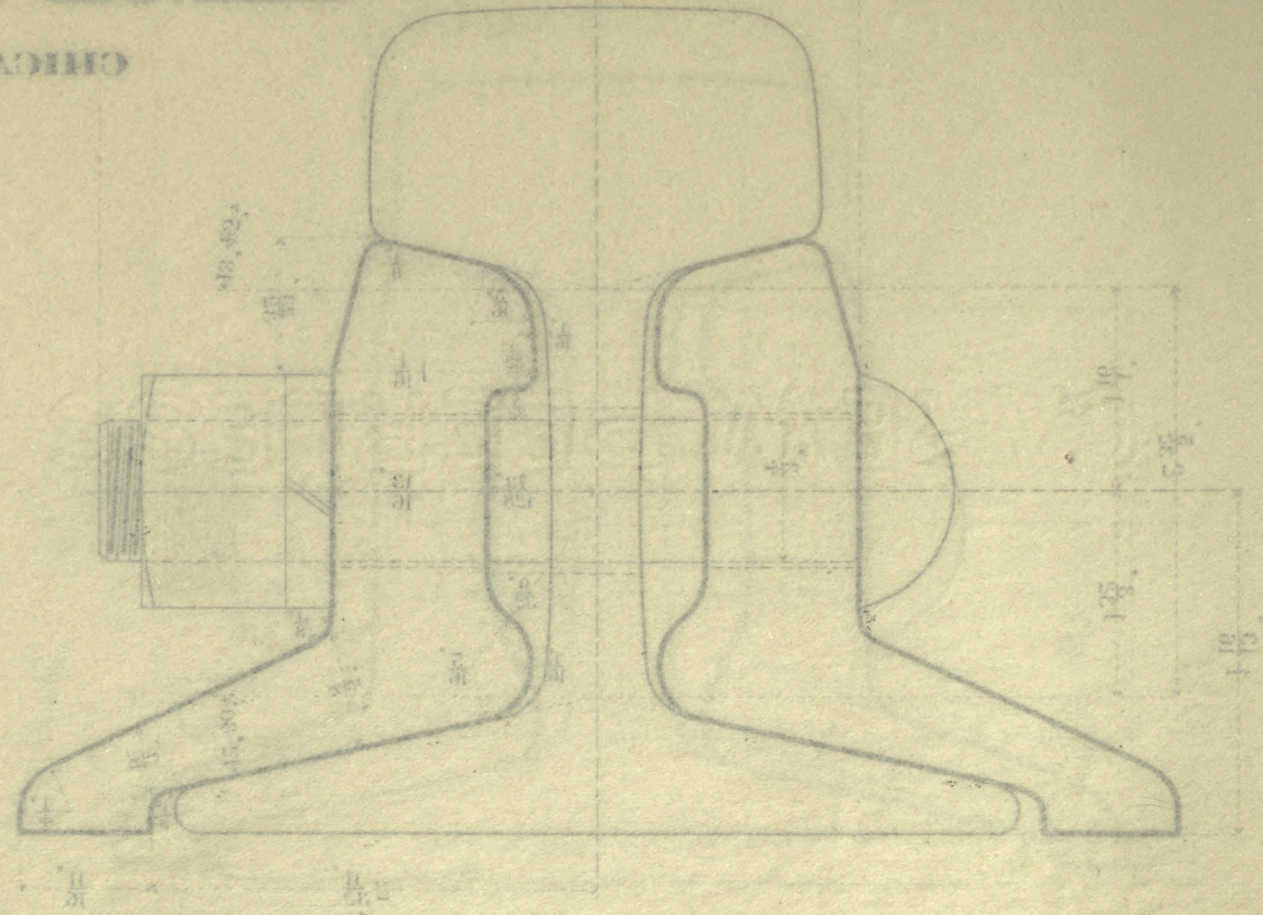


ANGLE BAR SECTION NO 8014 A.
 Wt. 3.55 Lbs Per Foot.

ANGLE BAR SECTION NO 8014 A
 Wt. 3.55 Lbs Per Foot

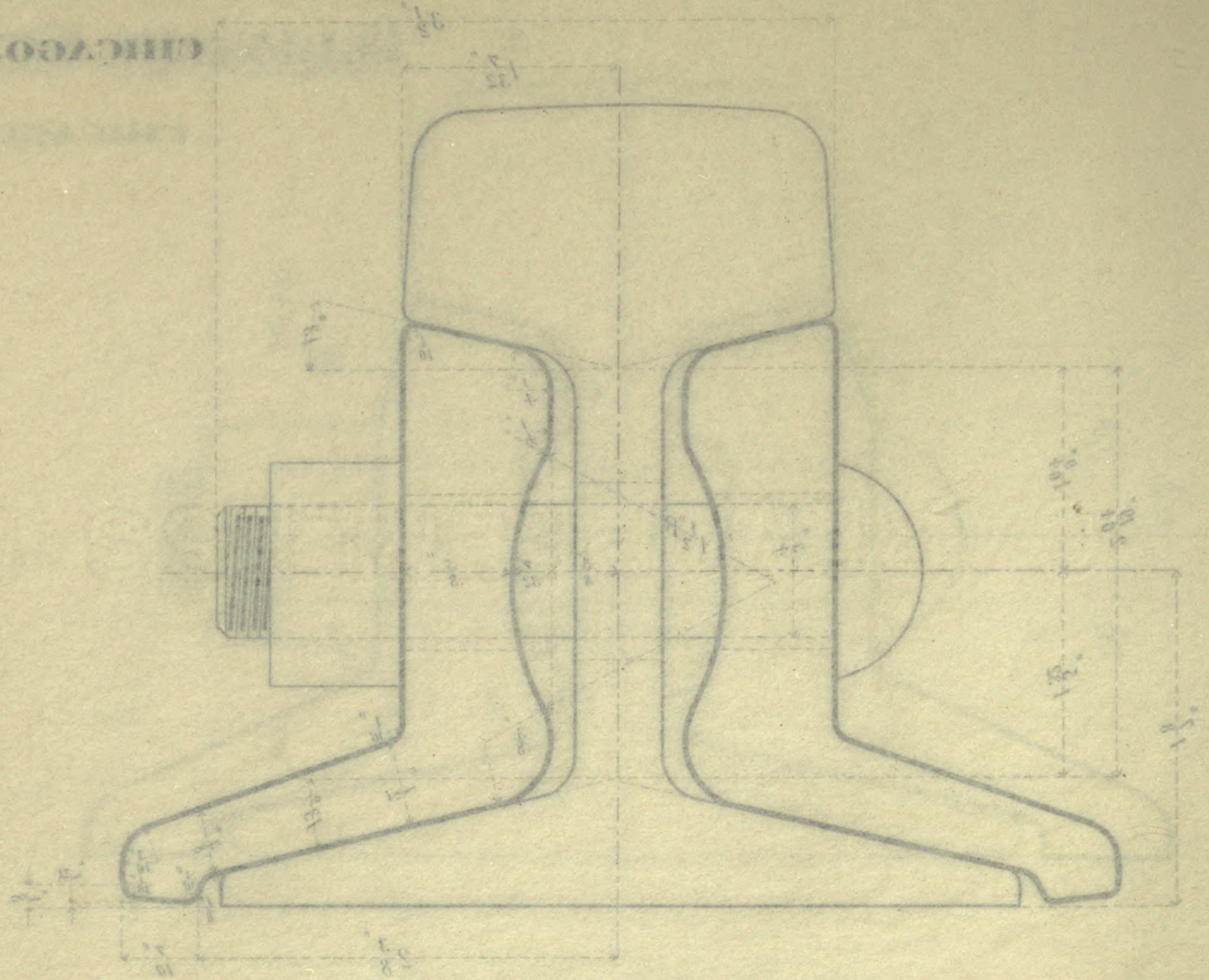
ILLINOIS STEEL CO.

CHICAGO.



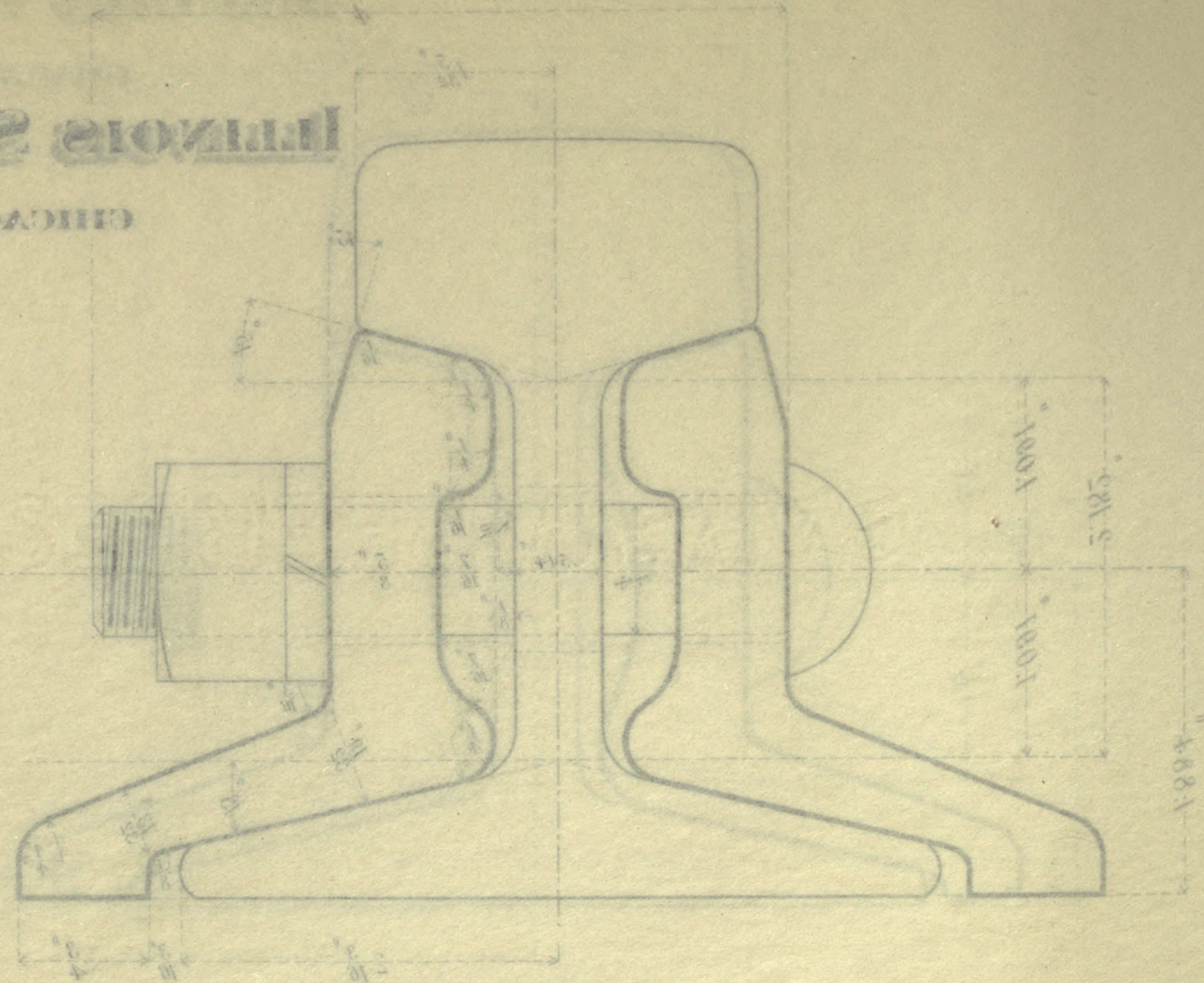
BRITISH STEEL CO.

CHICAGO



ANGLE BAR SECTION NO. 2504A.
Wt. 9.5 Lbs. Per Foot.

ILLINOIS STEEL CO.
CHICAGO.

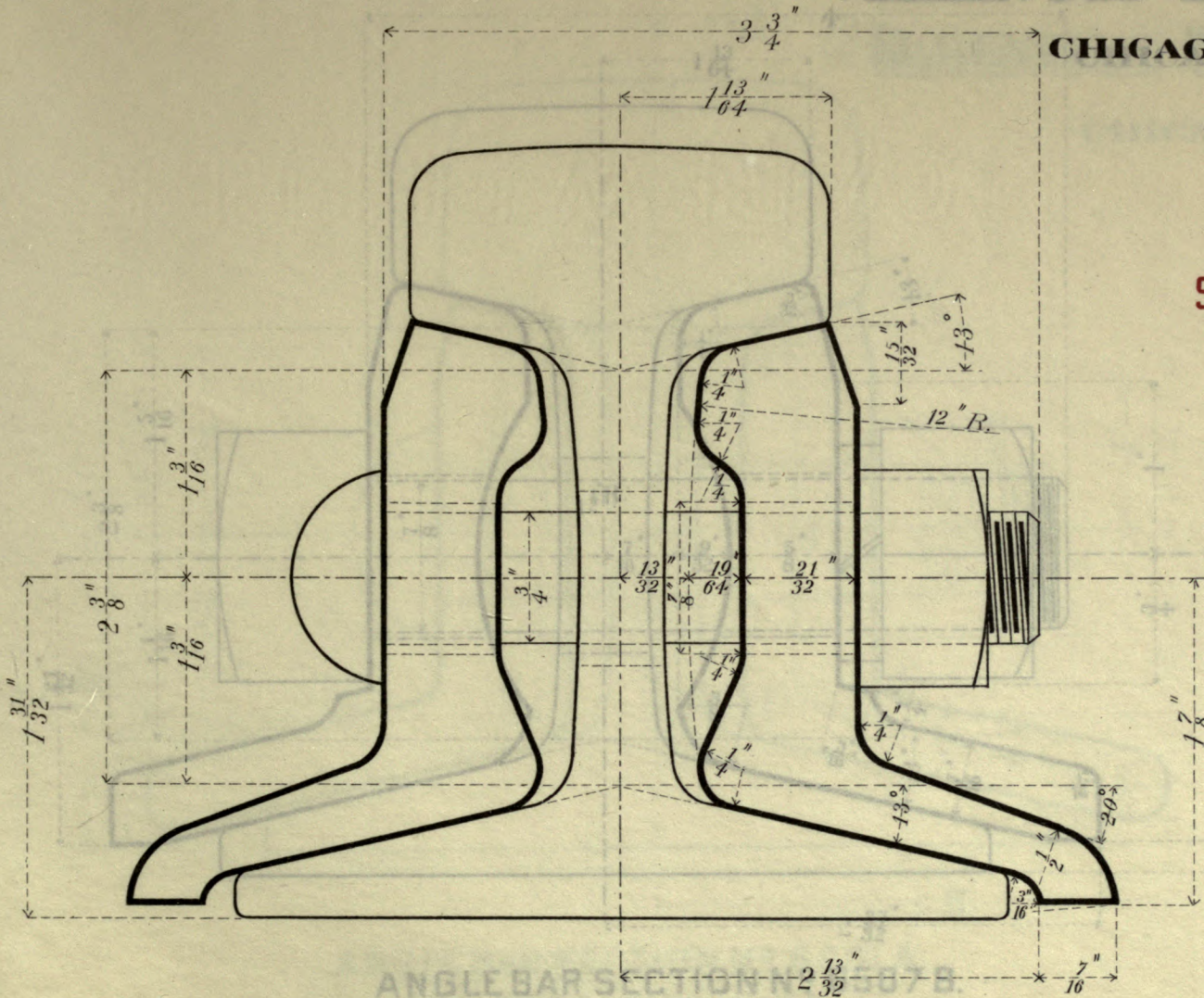


ANGLE BAR SECTION No. 2508A.
Wt. 10.08 Lbs. Per Foot.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.

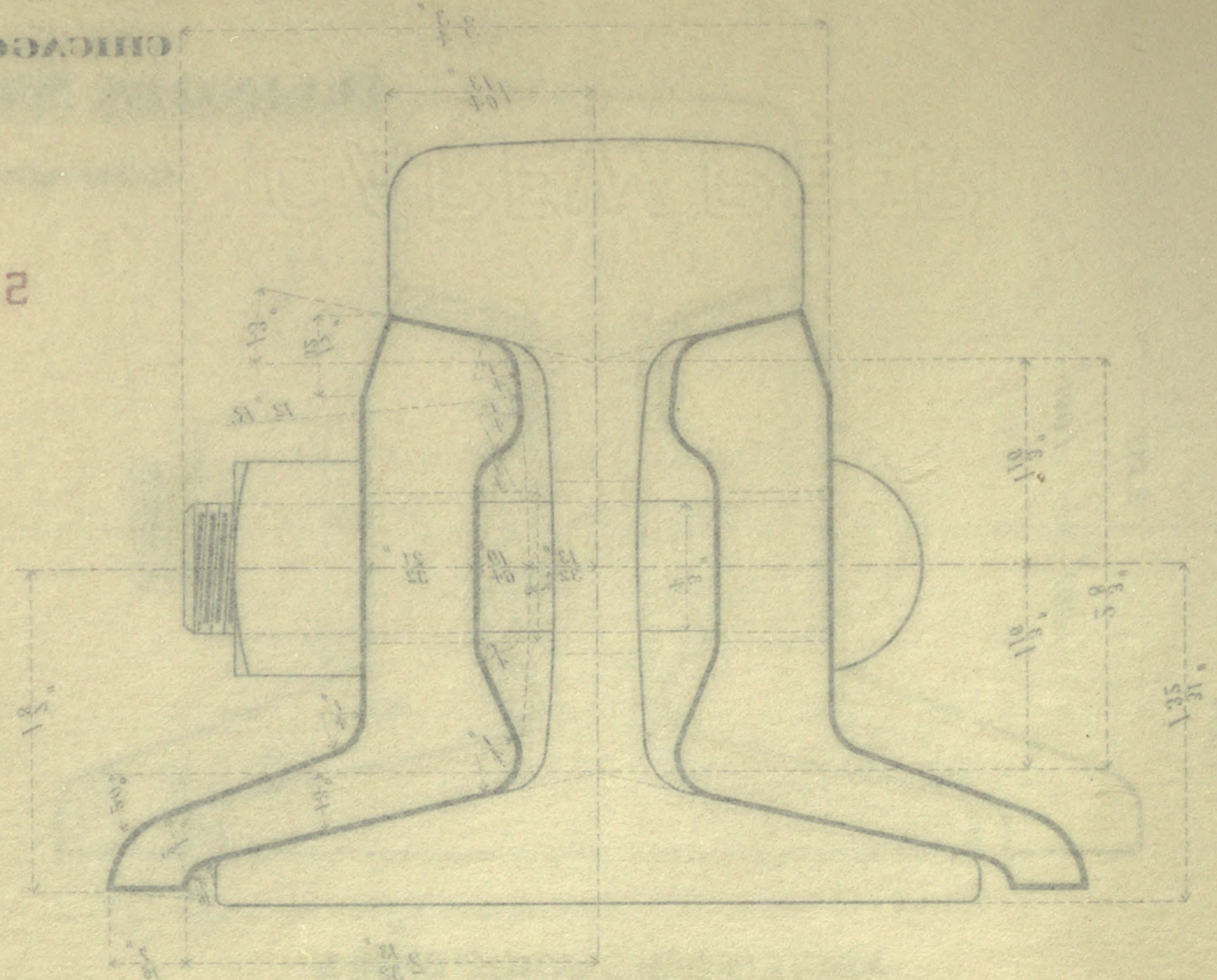


ANGLE BAR SECTION N^o 6507A.

Wt. 9.2 Lbs. Per Foot.

CHICAGO.

STANDARD.

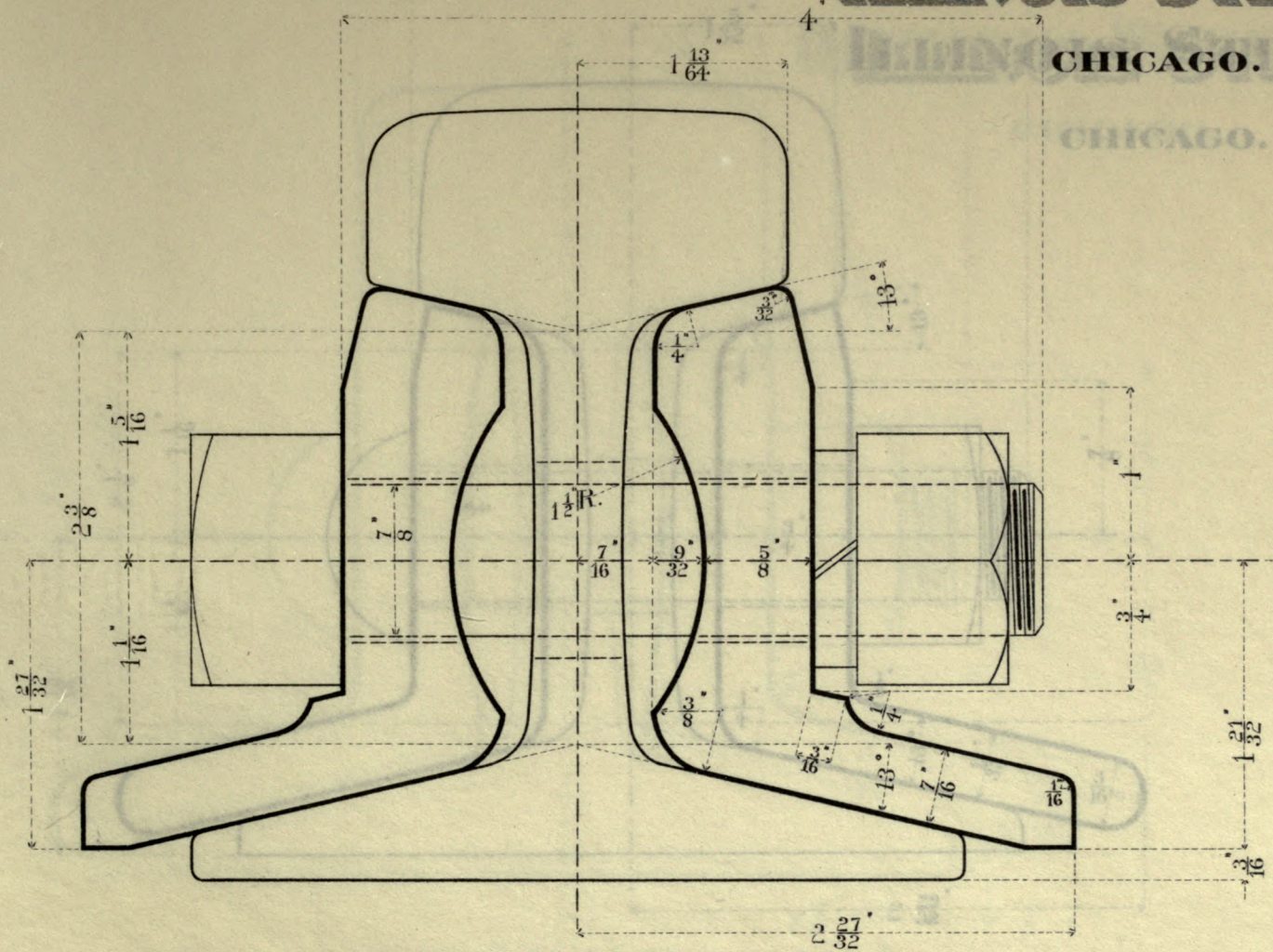


ANGLE BAR SECTION NO. 8507A.
Wt. 9.5 Lbs. Per Foot.

ILLINOIS STEEL CO.

CHICAGO.

CHICAGO.

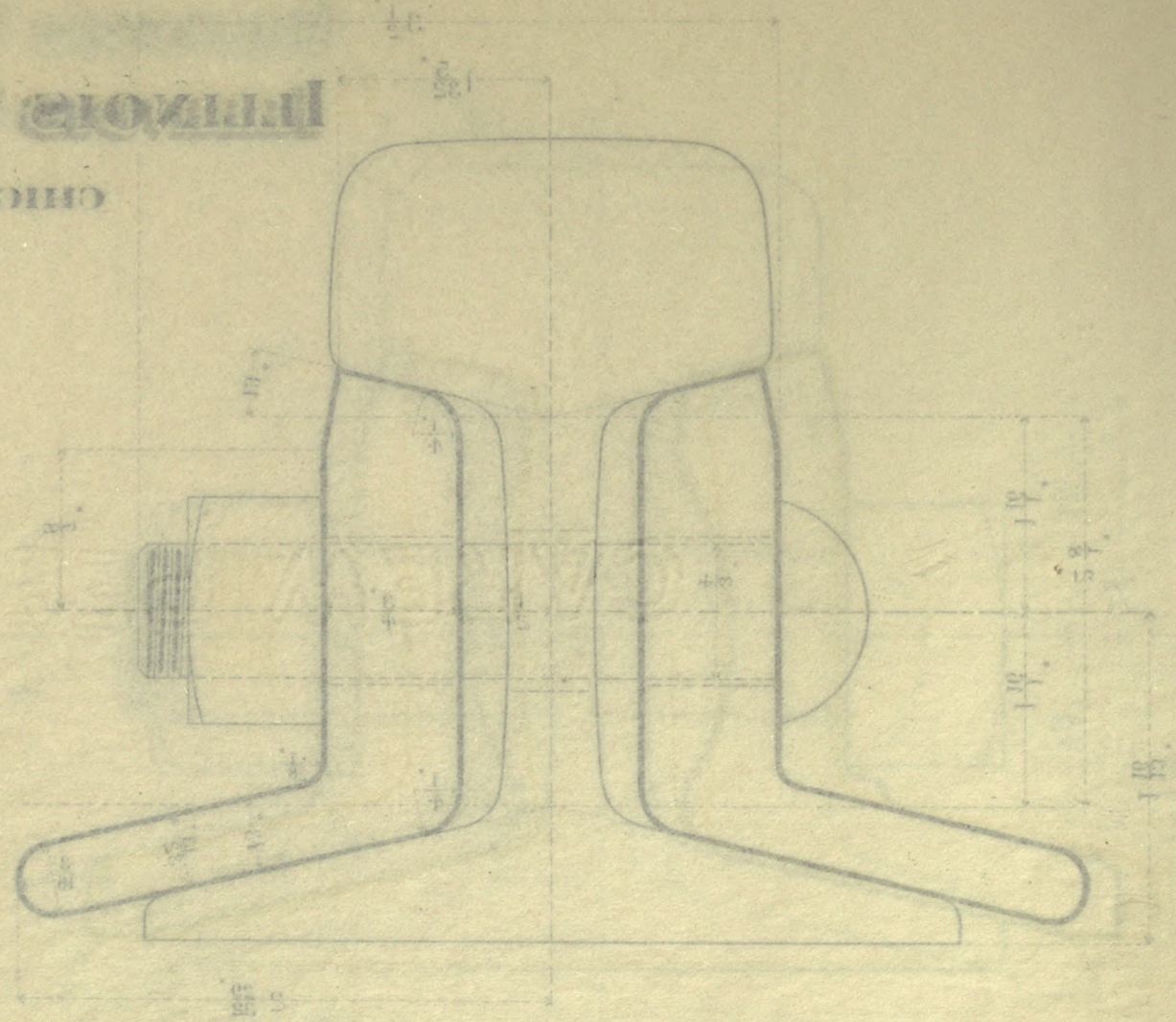


ANGLE BAR SECTION N^o 6507 B.

Wt. 9.6 Lbs. Per Foot.

LABINOR'S STEEL CO

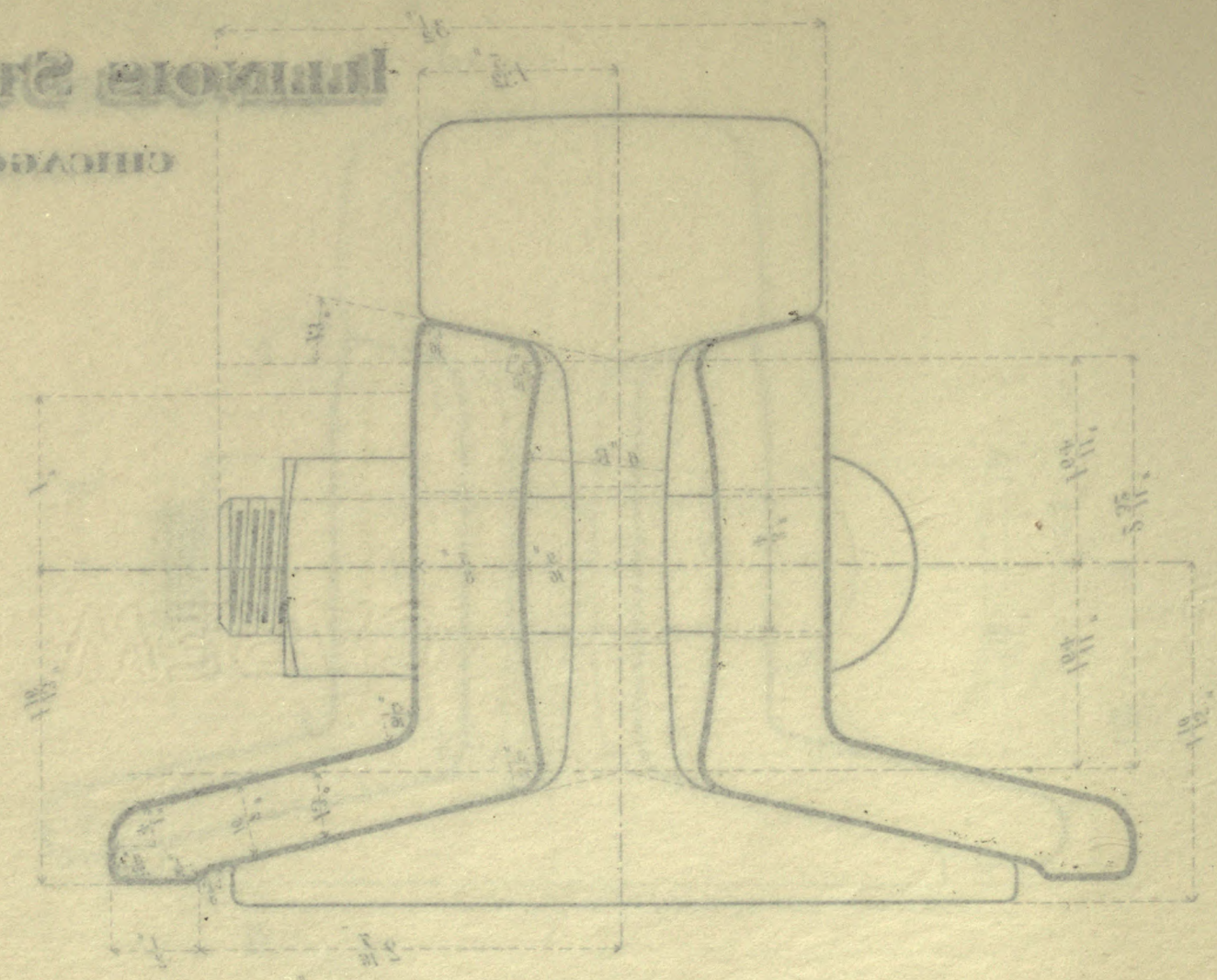
CHICAGO.



ANGLE BAR SECTION No 8801 A
Wt. 8.27 lbs Per Foot.

TRINIDAD STEEL CO.

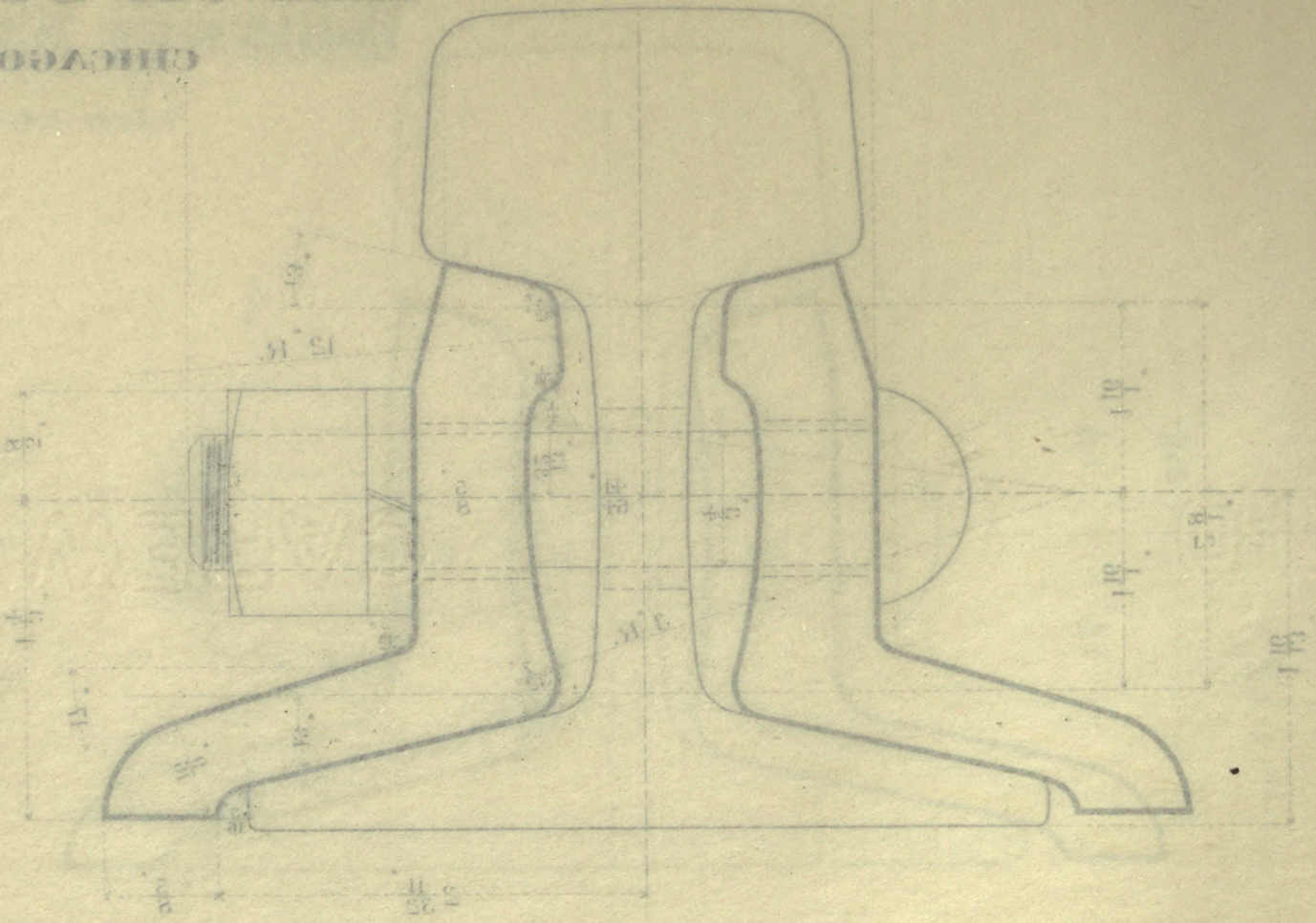
CHICAGO.



ANGLE BAR SECTION No. 8805A.
Wt. 8.8 Lbs. Per Foot.

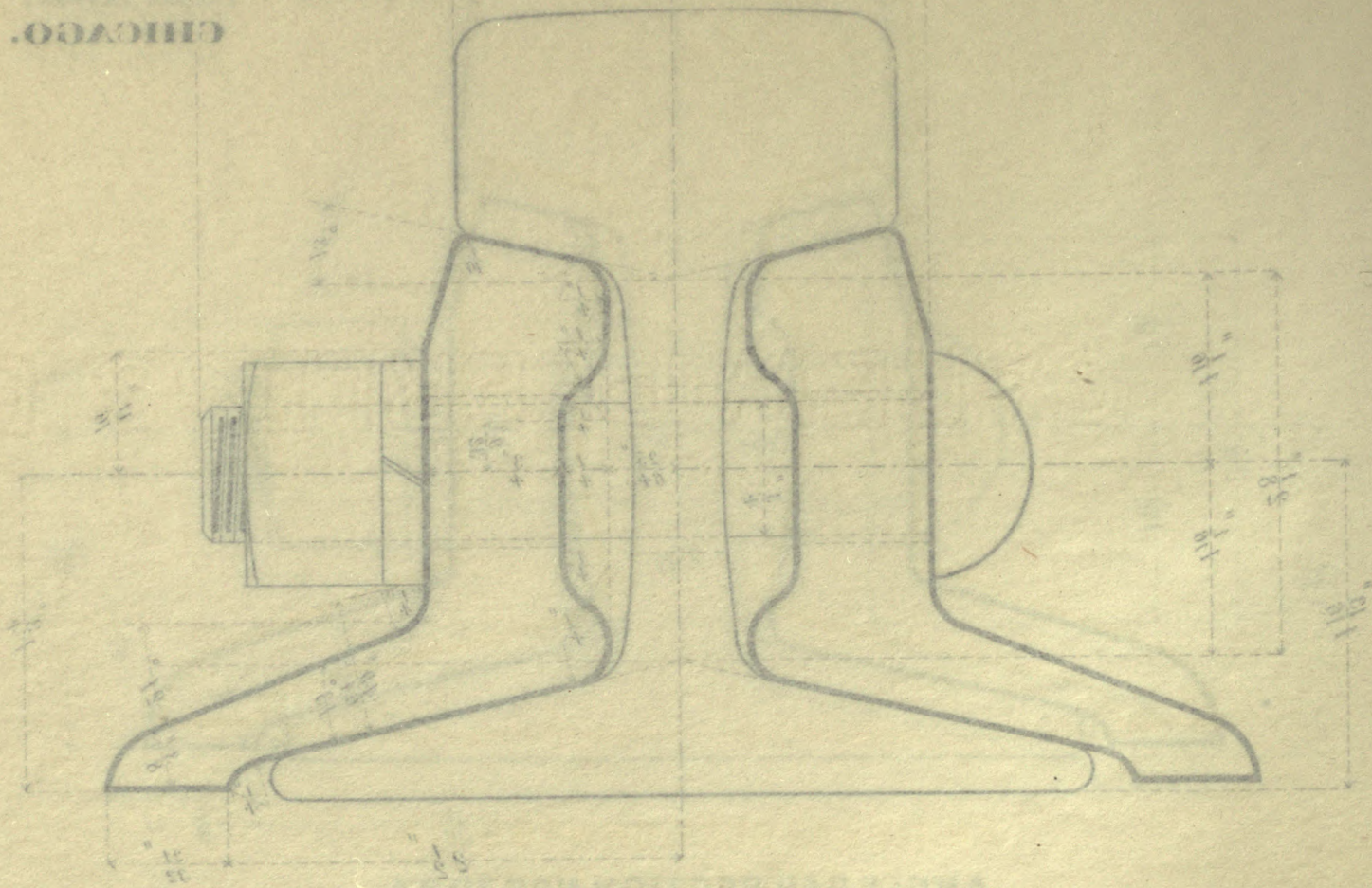
WILSON & JENNISON CO.

CHICAGO.



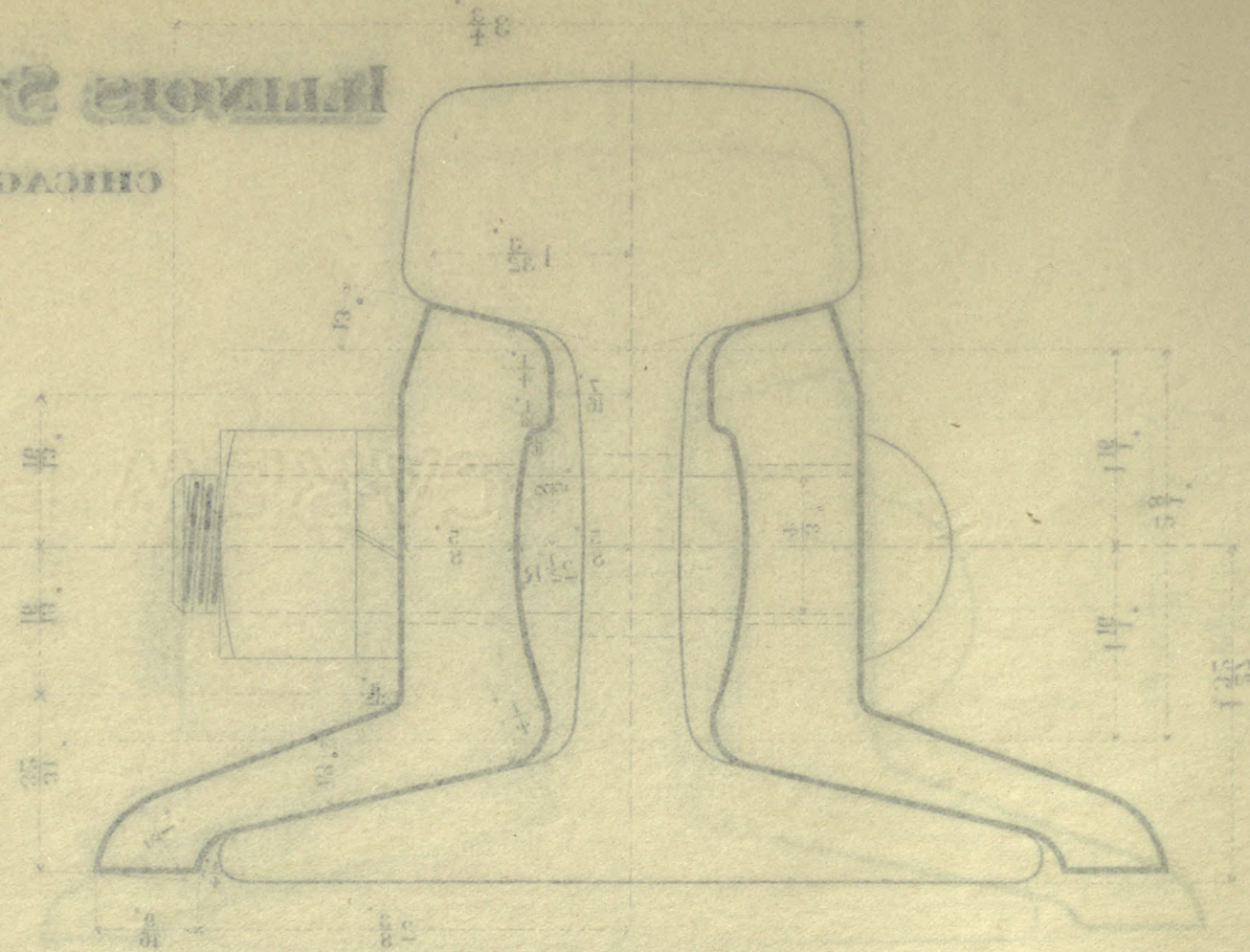
BLAZERS STEEL CO.

CHICAGO.



ANGLE BAR SECTION N° 6705A.
Wt. 2.9 Lbs. Per Foot.

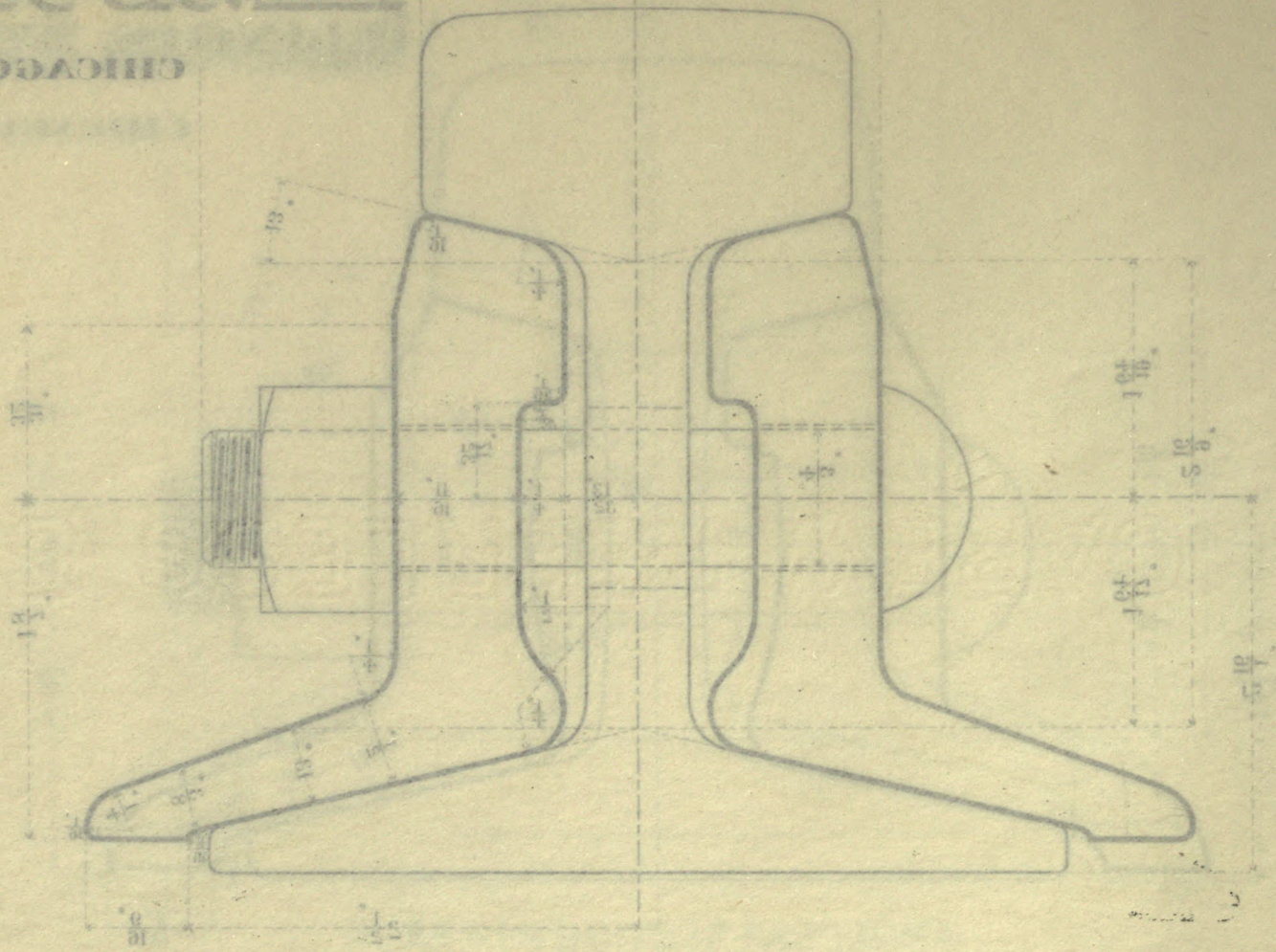
WILSON'S STEEL CO.
CHICAGO.



ANGLE BAR SECTION No 8801A.
Wt. 8.53 Lbs. Per Foot.

WILLIAMS STEEL CO.

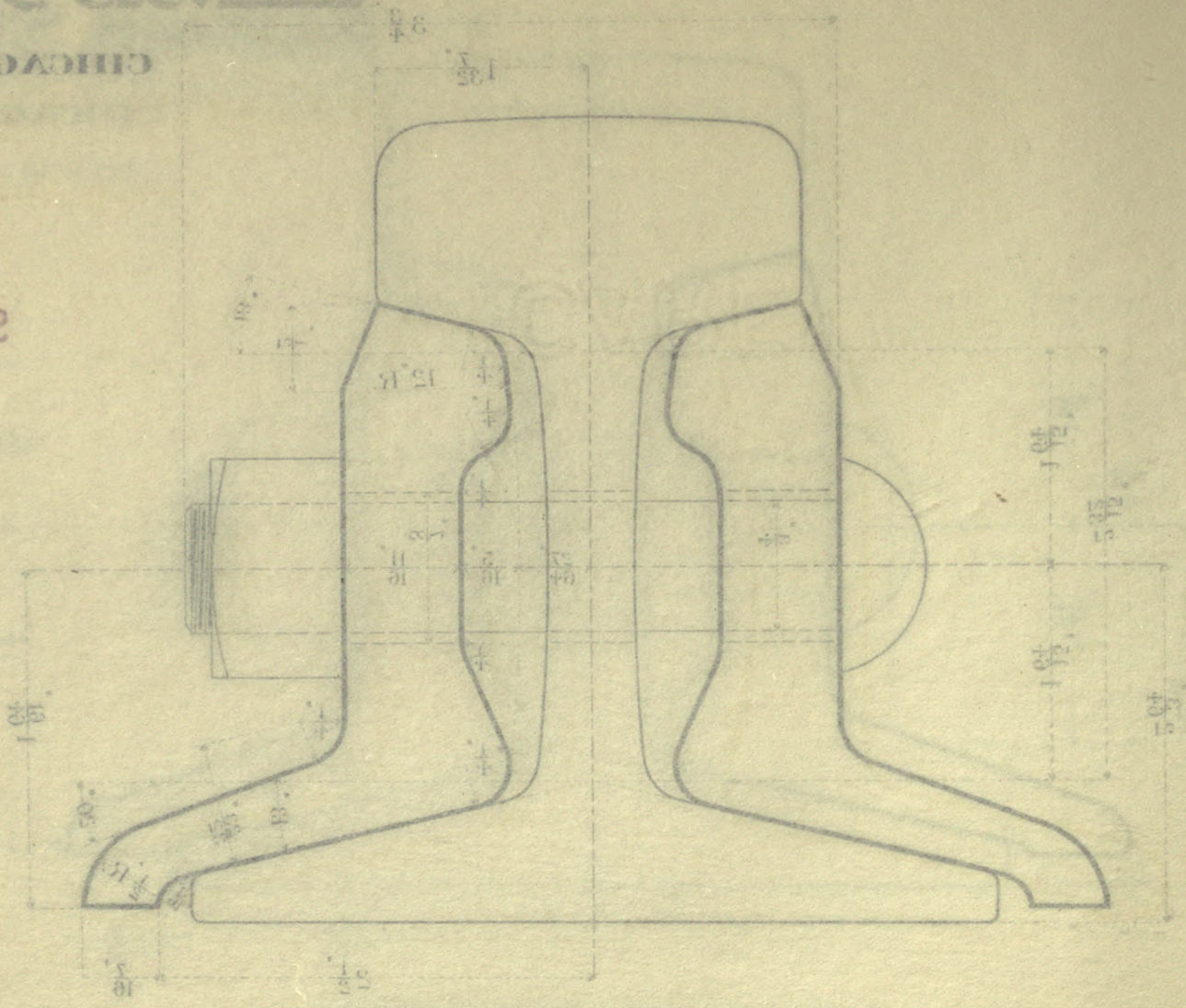
CHICAGO.



ANGLE BAR SECTION No 7007 A.
Wt. 10.33 lbs. Per Foot.

CHICAGO.

STANDARD

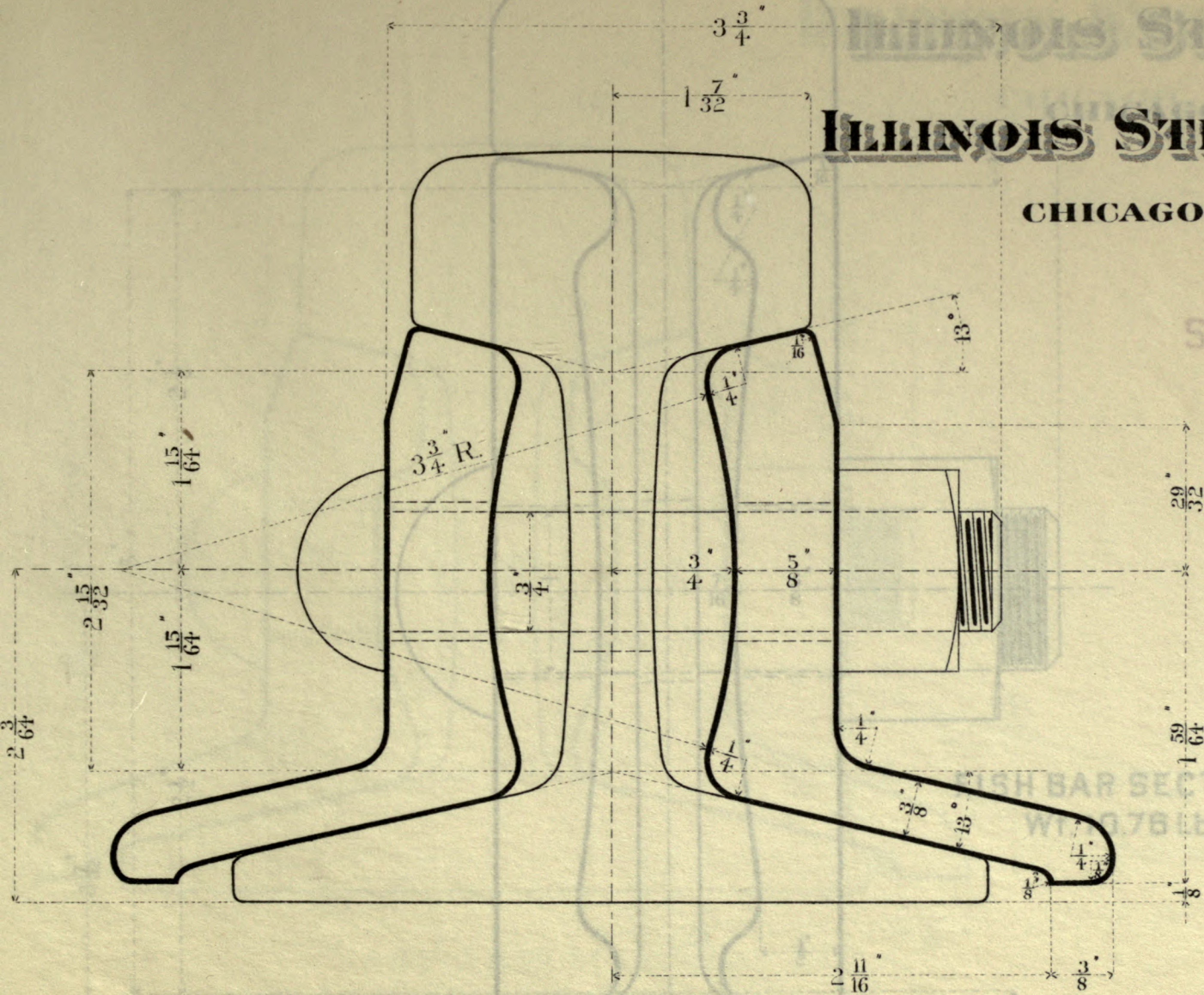


ANGLE BAR SECTION NO. 7010 A.
Wt. 100 Lbs. Per Foot.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.

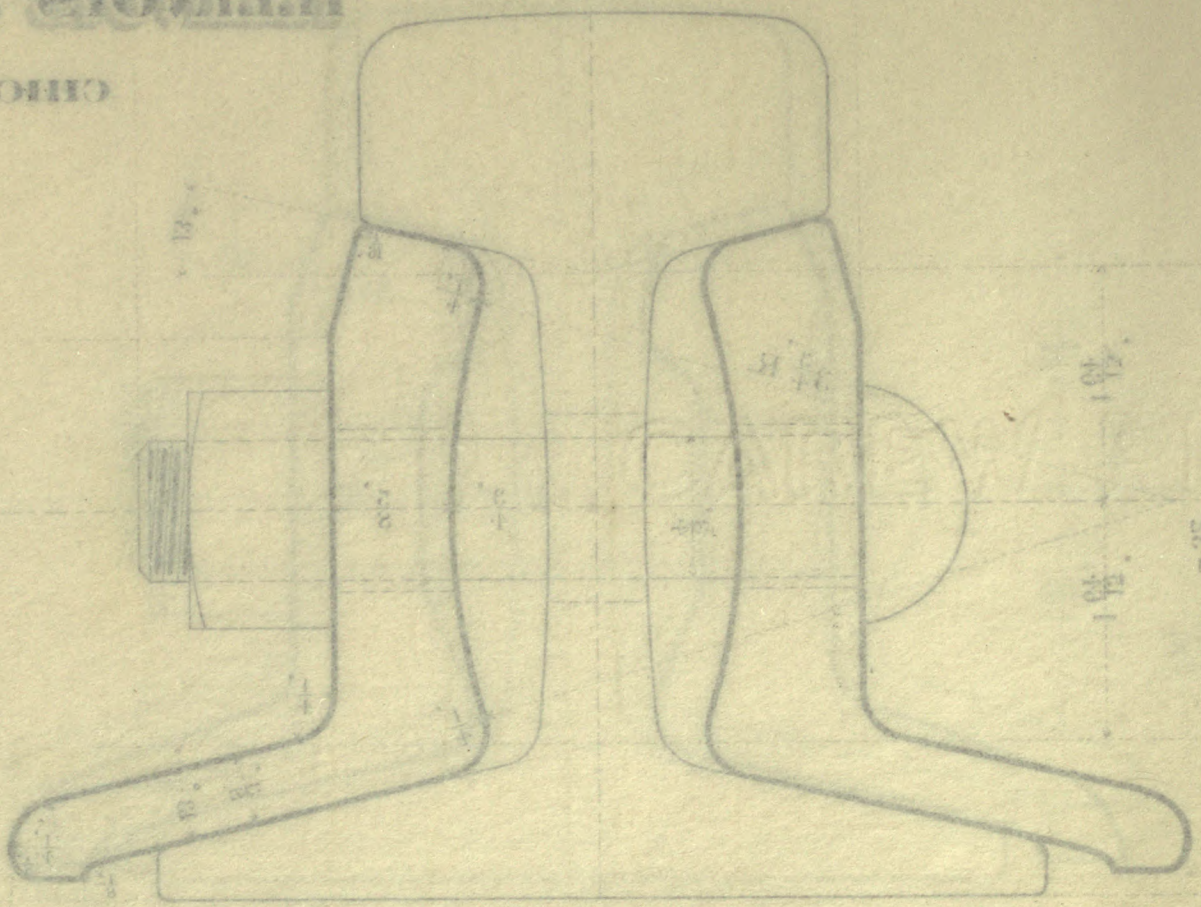


ANGLE BAR SECTION N° 7010 B.

Wt. 9.0 Lbs. Per Foot.

WABASH STEEL CO.

CHICAGO.

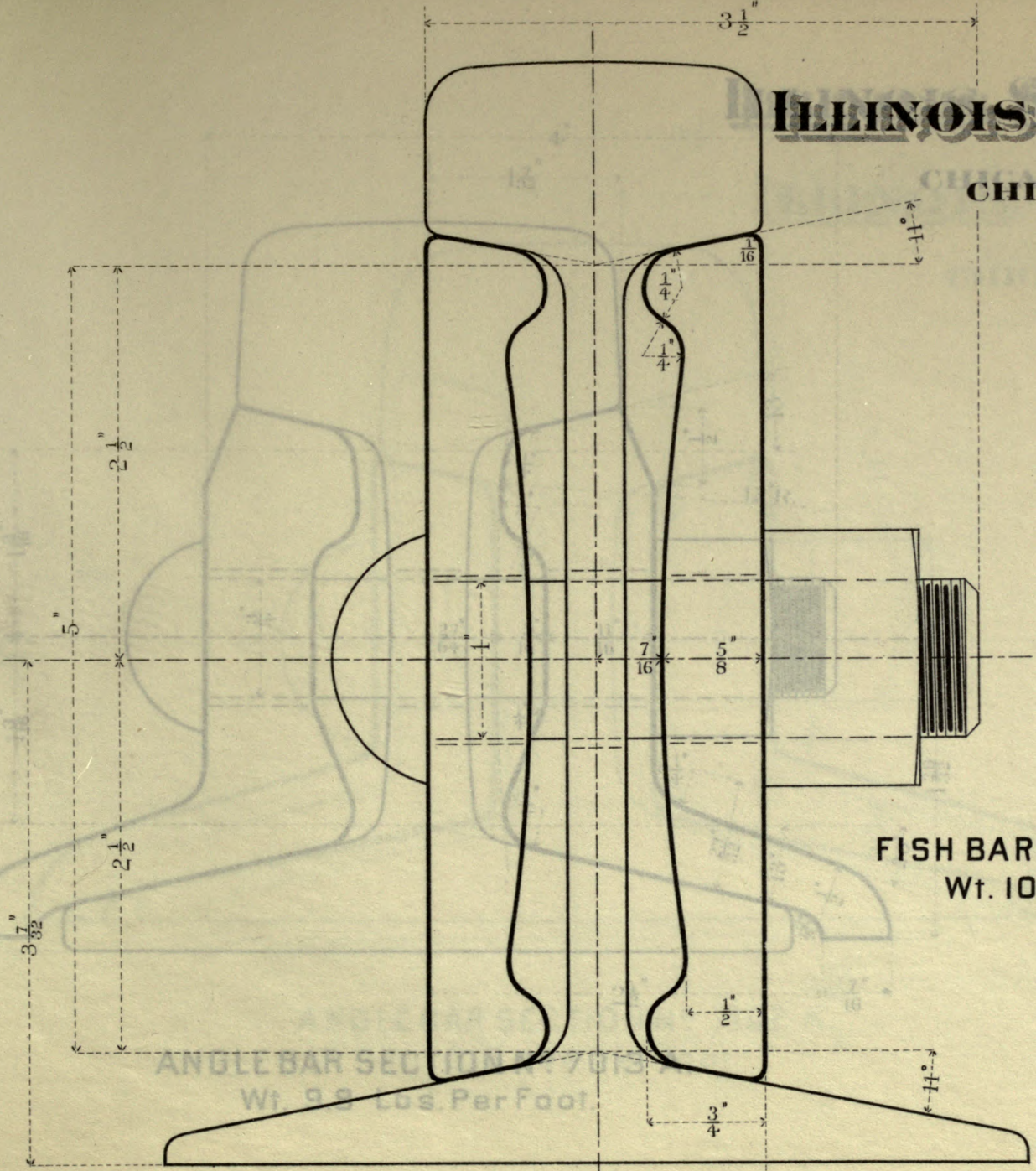


ANGLE BAR SECTION No 7010 B.
Wt. 8.0 Lbs Per Foot.

ILLINOIS STEEL CO.

CHICAGO.

STANDARD.



FISH BAR SECTION N° 7011A.
Wt. 10.76 Lbs. Per Foot.

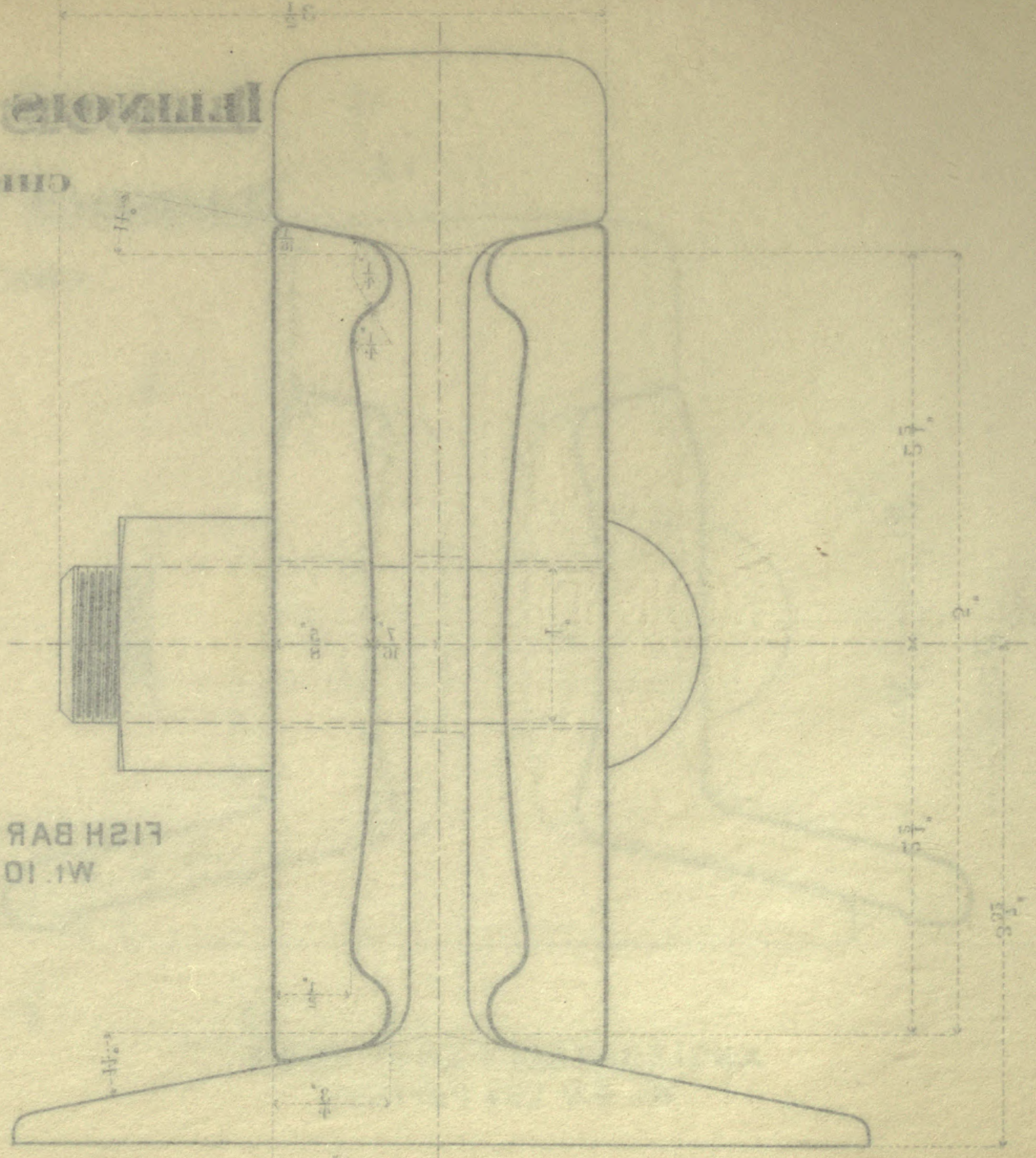
ANGLE BAR SECTION N° 7013
Wt. 9.8 Lbs. Per Foot.

AMERICAN STEEL CO.

CHICAGO.

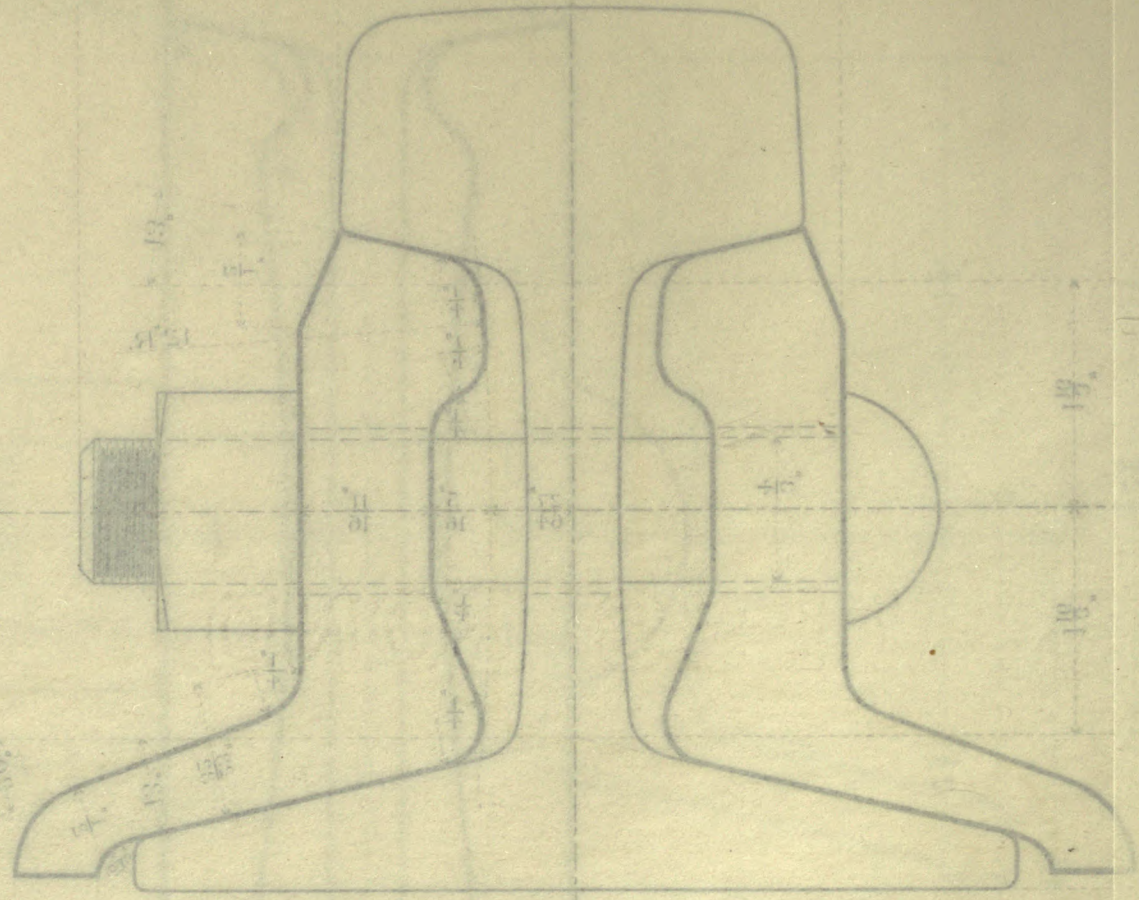
STANDARD.

FISH BAR SECTION No 7011A.
Wt. 10.78 lbs. Per Foot.



AMERICAN STEEL CO.

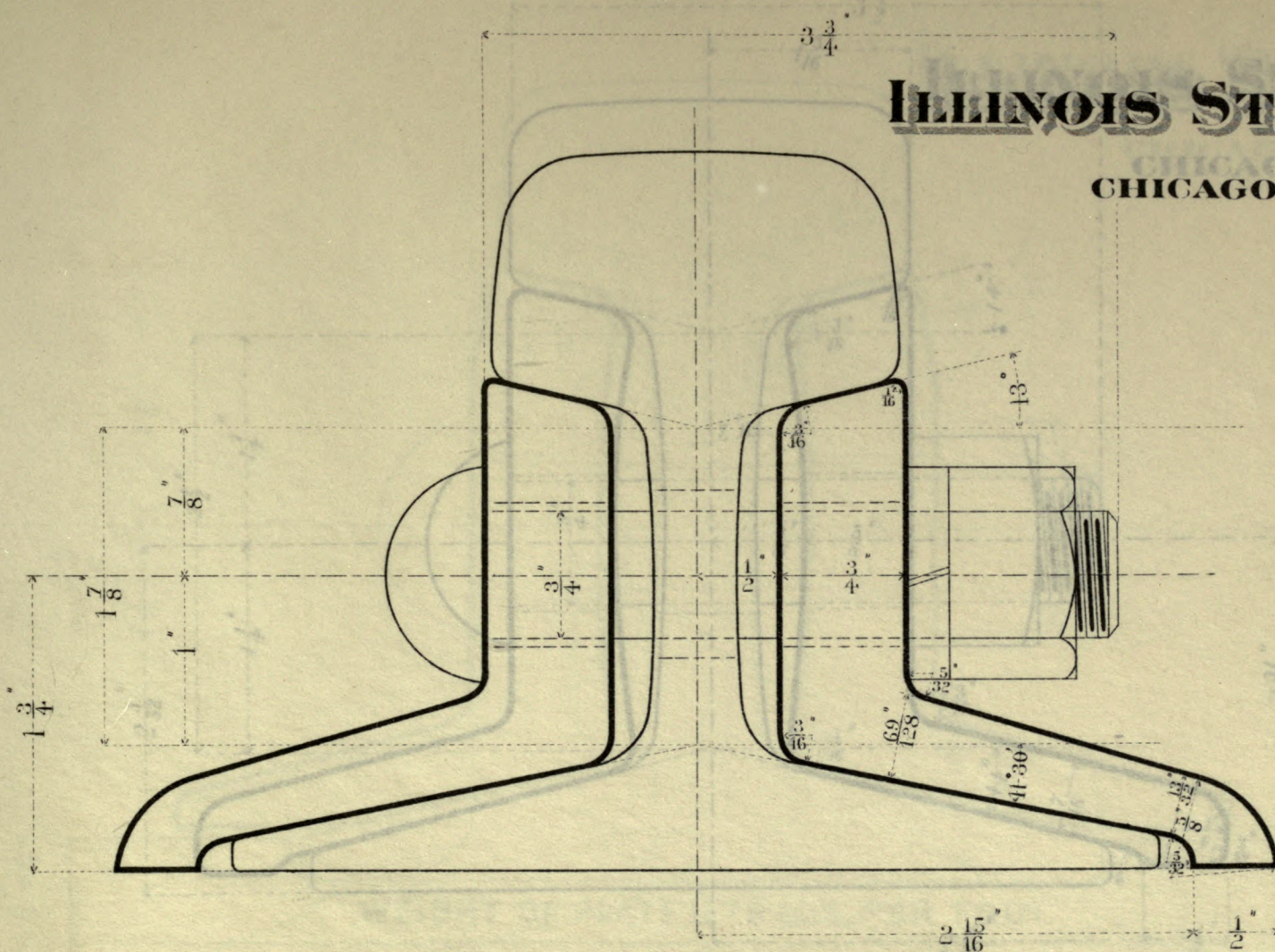
CHICAGO.



ANGLE BAR SECTION NO. 7013 A.
Wt. 9.9 Lbs. Per Foot.

ILLINOIS STEEL CO.

CHICAGO.



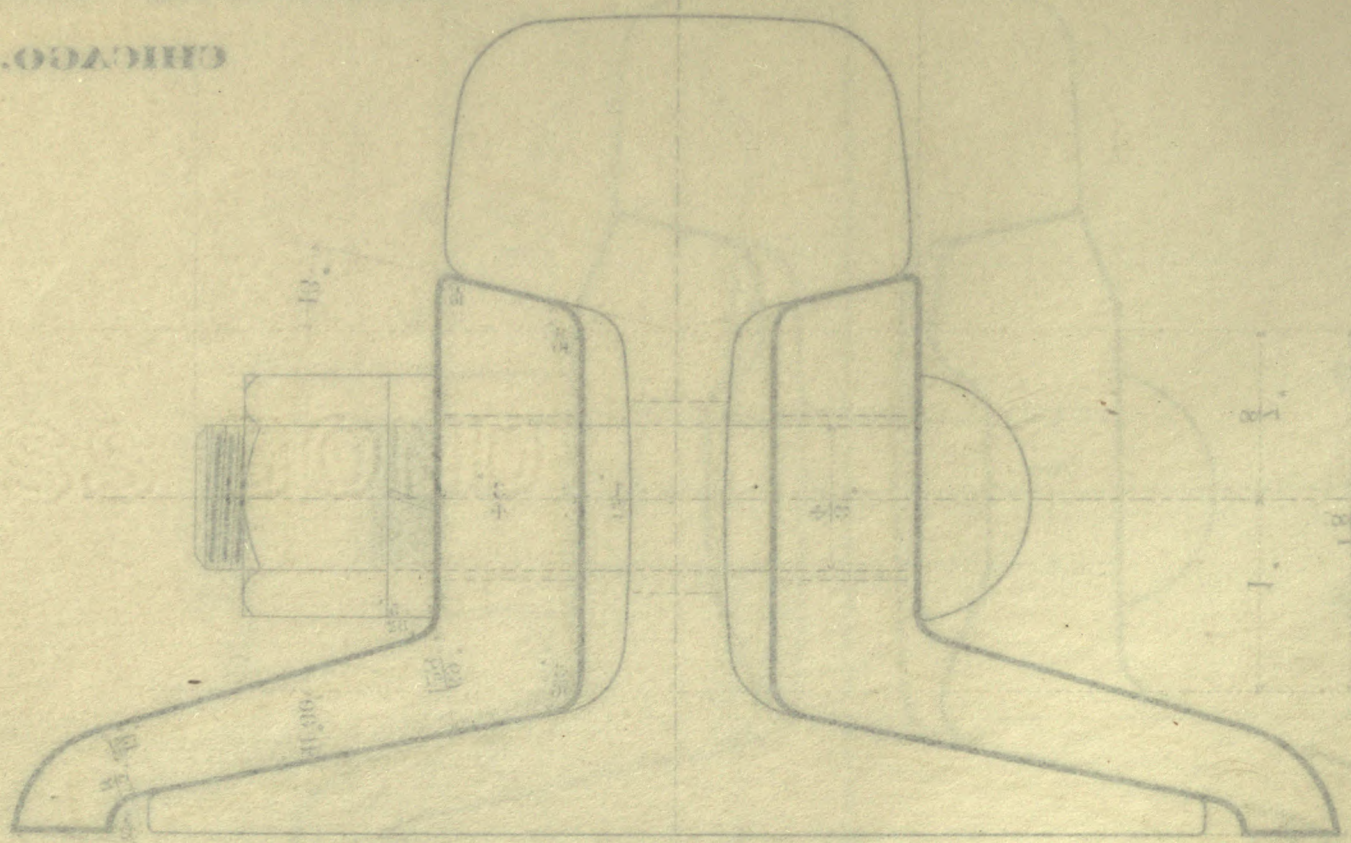
ANGLE BAR SECTION N^o 7102 A.

Wt. 9.18 Lbs. Per Foot.

Wt. 9.52 Lbs. Per Foot.

WELLS FARGO BANK CO.

CHICAGO.



ANGLE BAR SECTION No 7105 A.

Wt. 2.18 lbs. Per Foot.

Wt. 2.3 lbs. Per Foot.

3/4

1/2

1/8

1/4

1/2

1/2

1/2

1/2

1/2

1/2

1/2

1/2

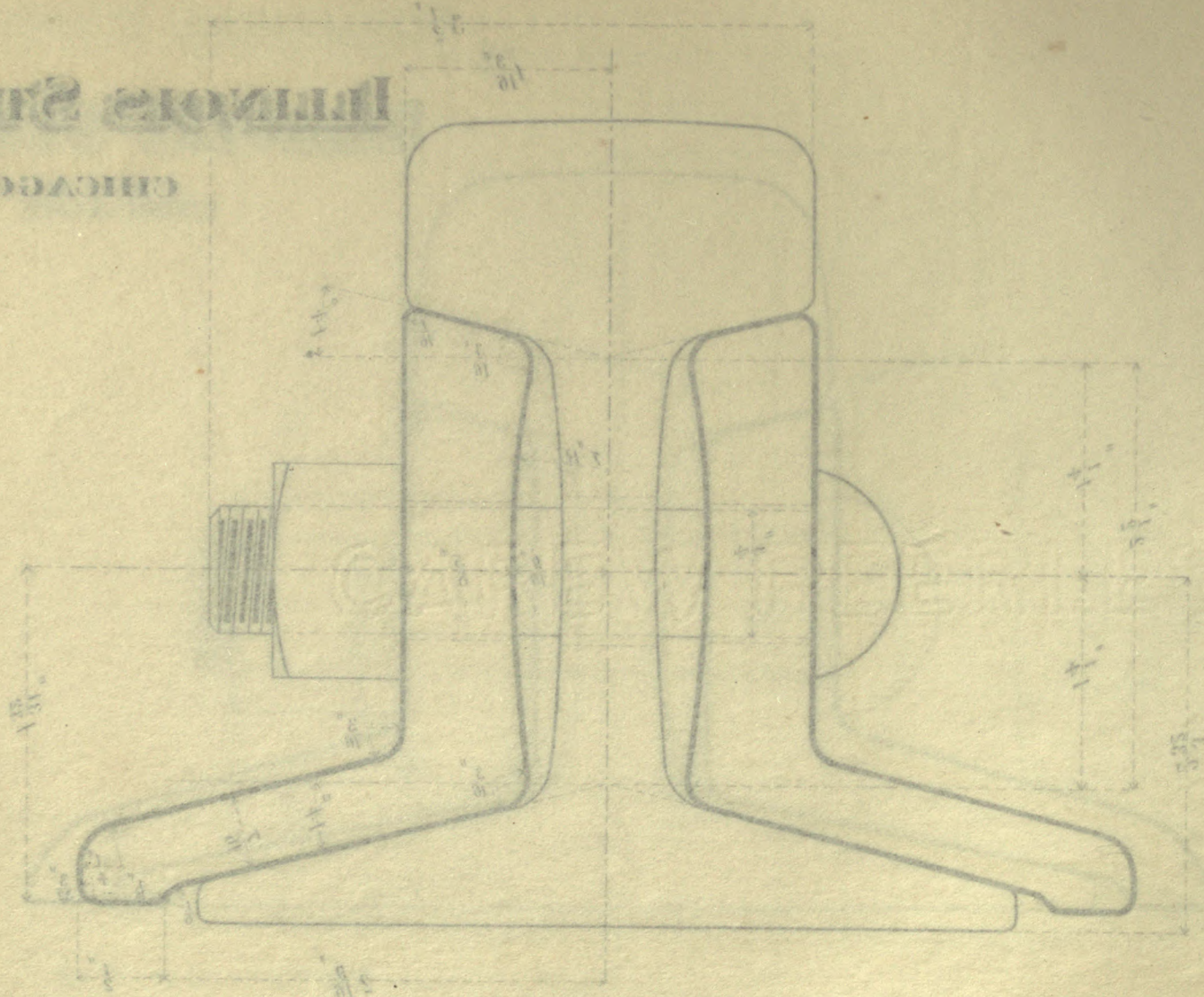
1/2

1

1/8

1/4

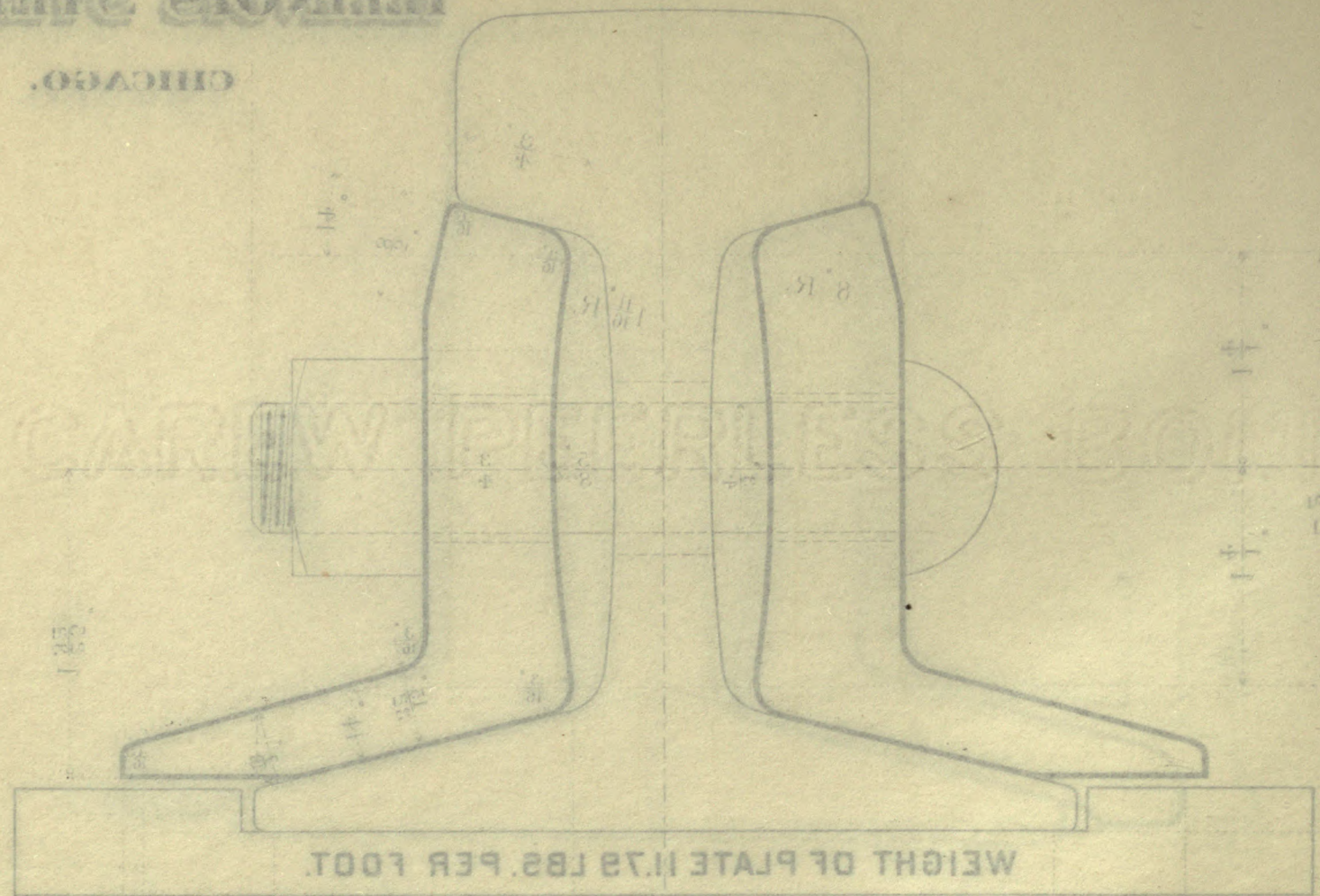
CHICAGO. HULLINOR'S STEEL CO.



ANGLE BAR SECTION No. 7501 A. Wt. 9.25 lbs Per Foot.

WILSON'S PATENT CO.

CHICAGO.



WEIGHT OF PLATE 11.75 LBS. PER FOOT.

ANGLE BAR SECTION NO. 7501 B.

Wt. 10.13 Lbs. Per Foot.

2 1/2

5 1/2

1 1/2

1 1/2

1 1/2

1 1/2

5 1/2

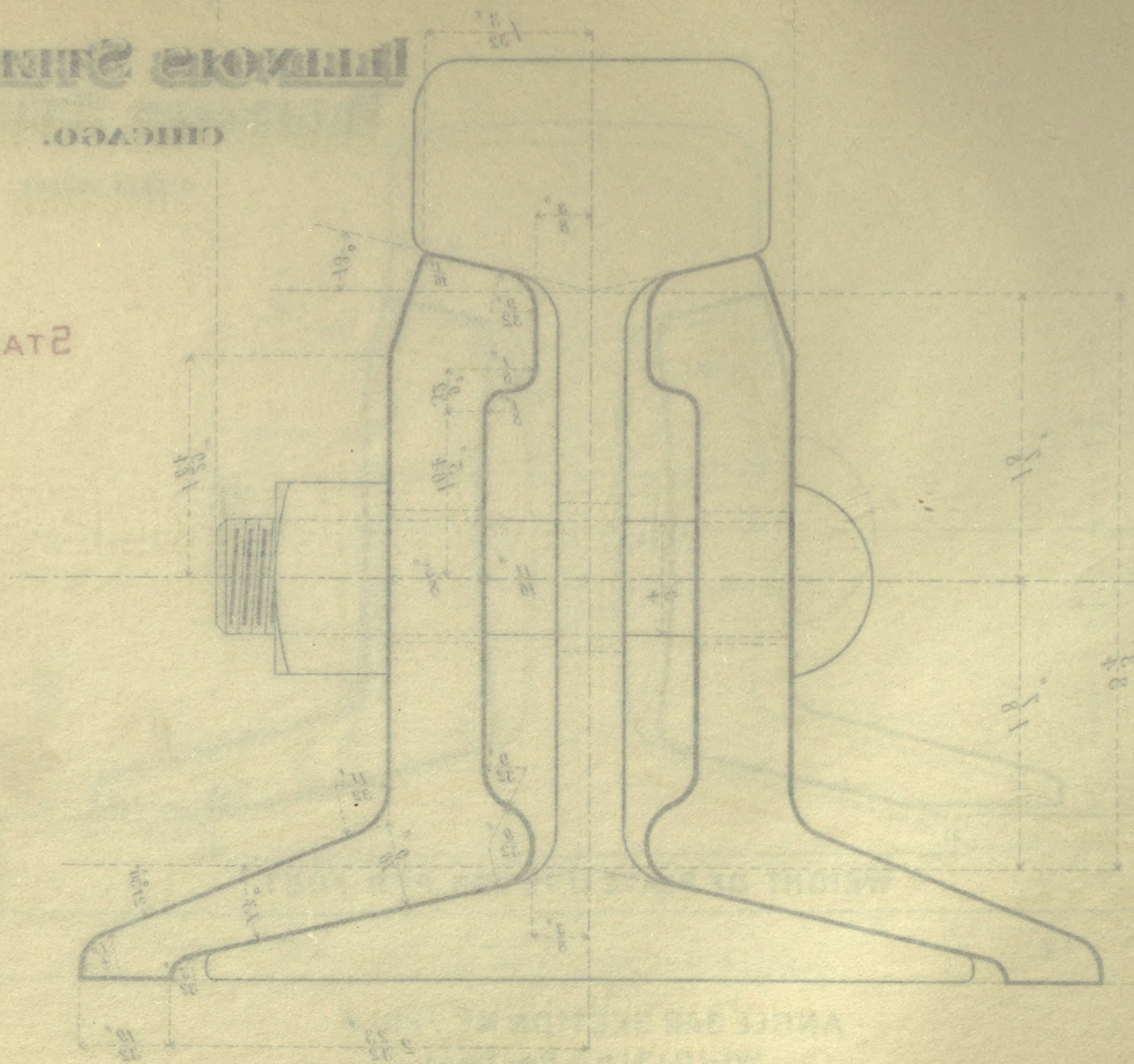
1 1/2

1 1/2

WILSON'S STEEL CO.

CHICAGO.

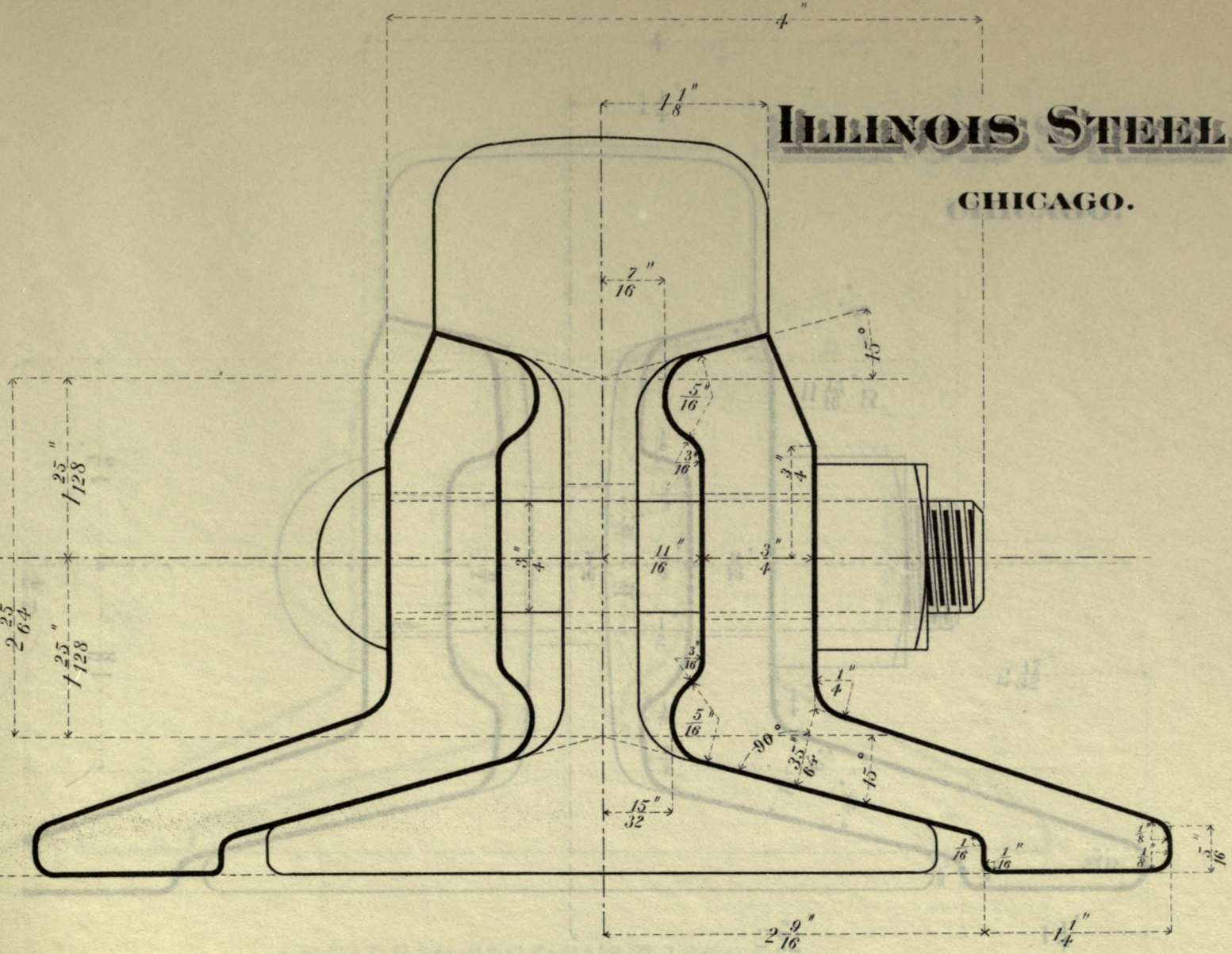
STANDARD



ANGLE BAR SECTION NO. 7503 A.

ILLINOIS STEEL CO.

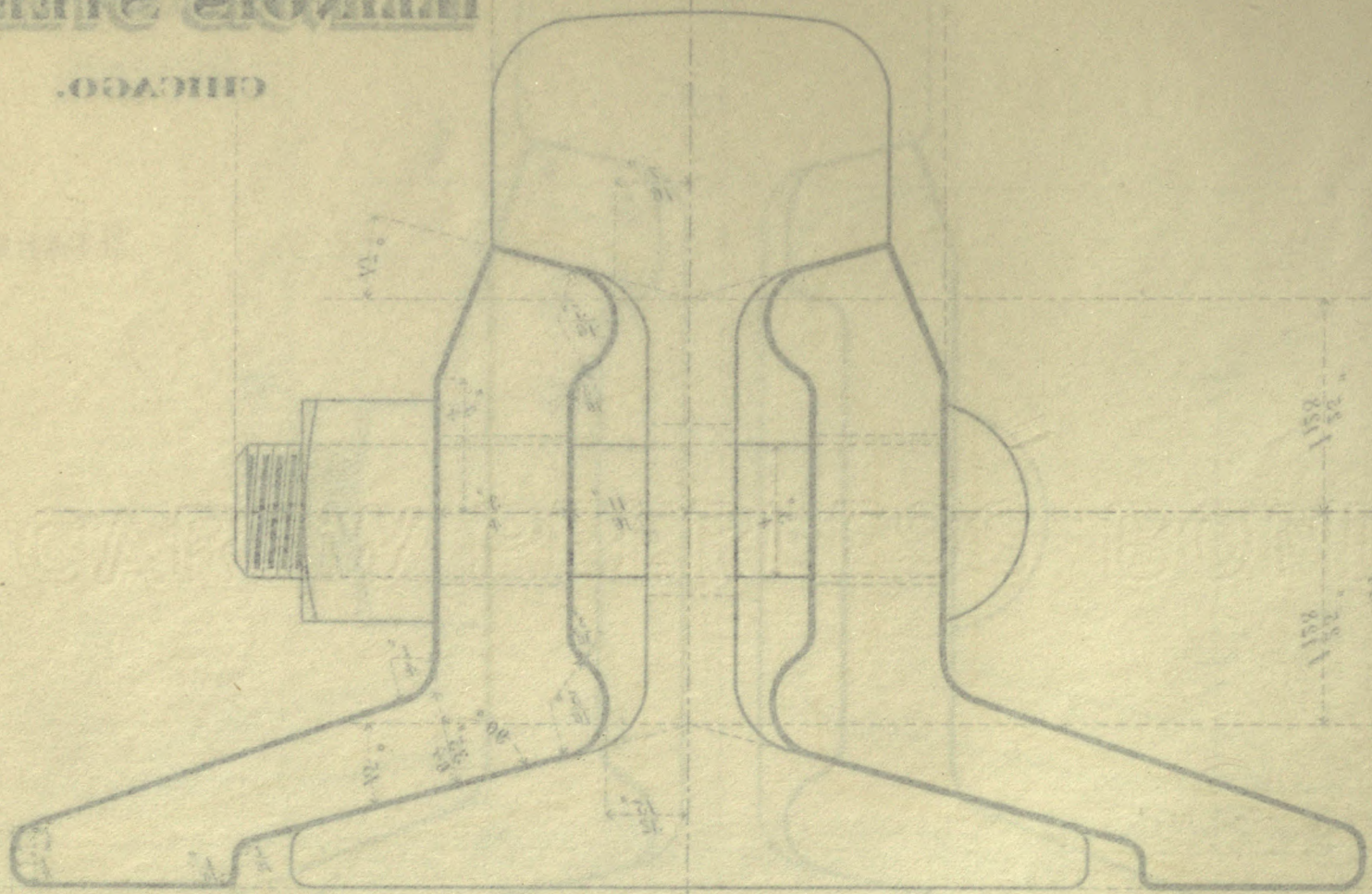
CHICAGO.



AN ANGLE BAR SECTION N°7204 A.
Wt. 12.1 Lbs. Per Foot.

WALTON'S STEEL CO.

CHICAGO.

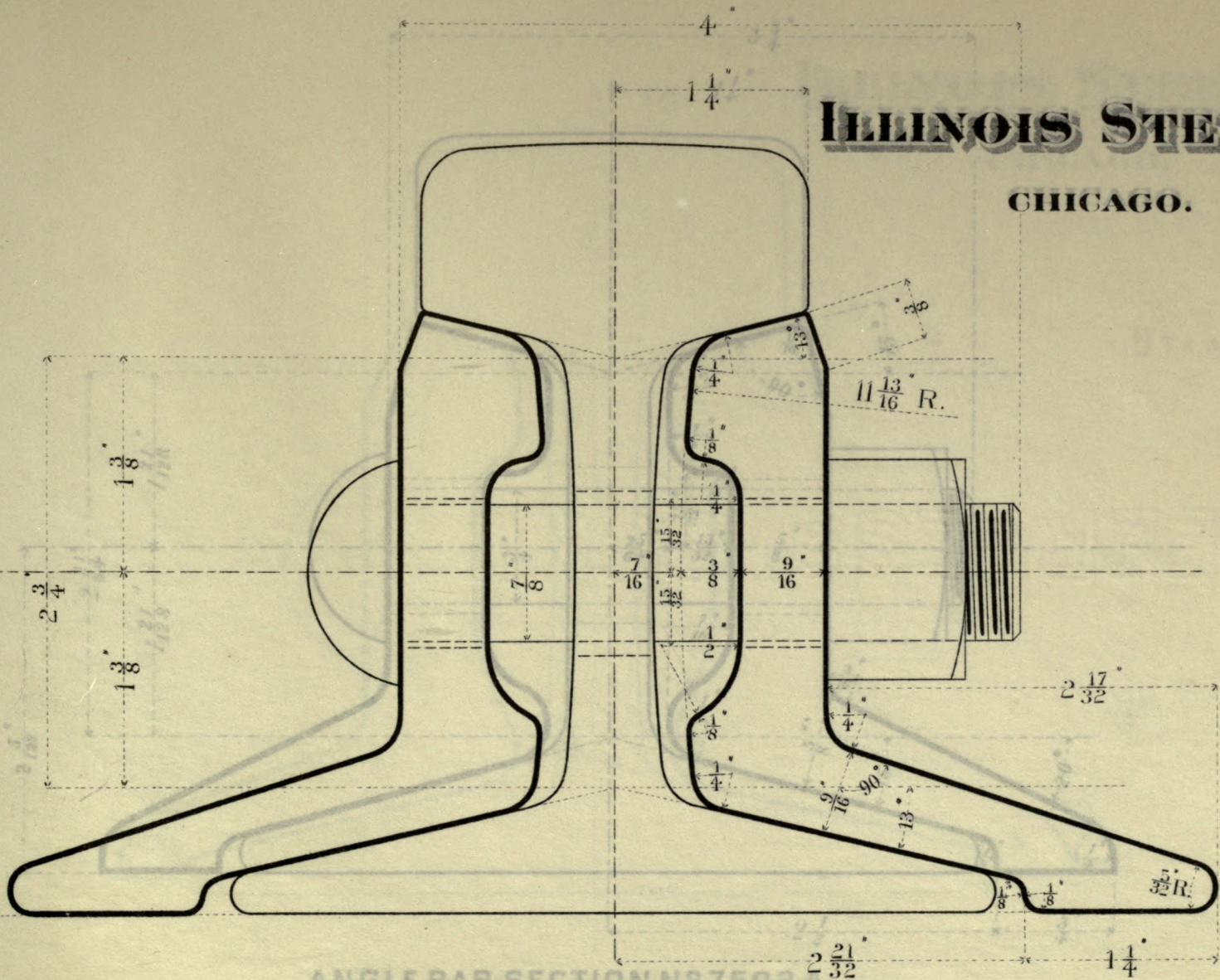


ANGLE BAR SECTION NO. 7504 A.
Wt. 15.1 Lbs. Per Foot.

1 1/2
1 1/4
1 1/8
1/2
1/4

ILLINOIS STEEL CO.

CHICAGO.

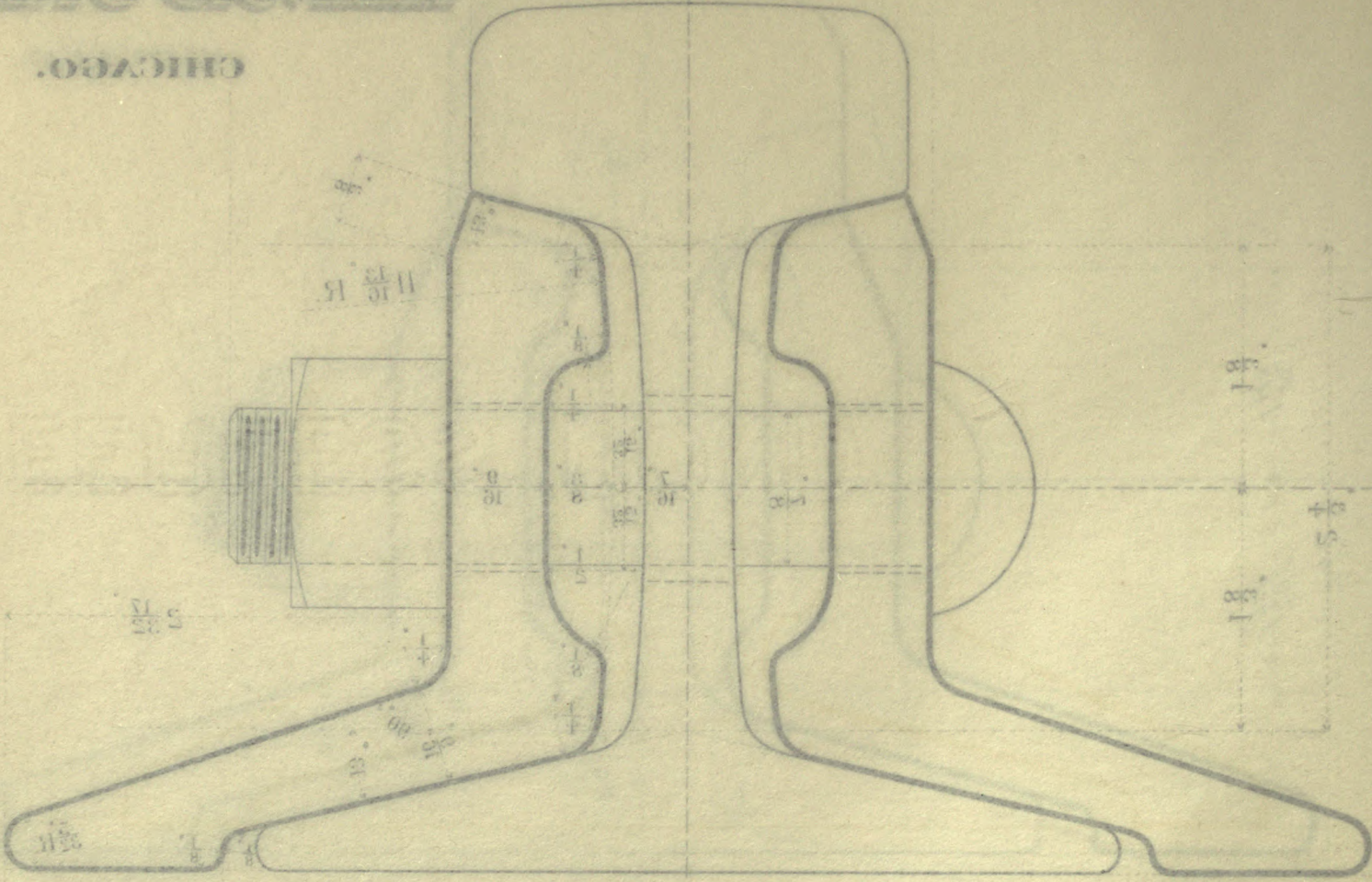


ANGLE BAR SECTION N^o 7301 A.

Wt. 12.0 Lbs. Per Foot.

WILSON'S STEEL CO.

CHICAGO.

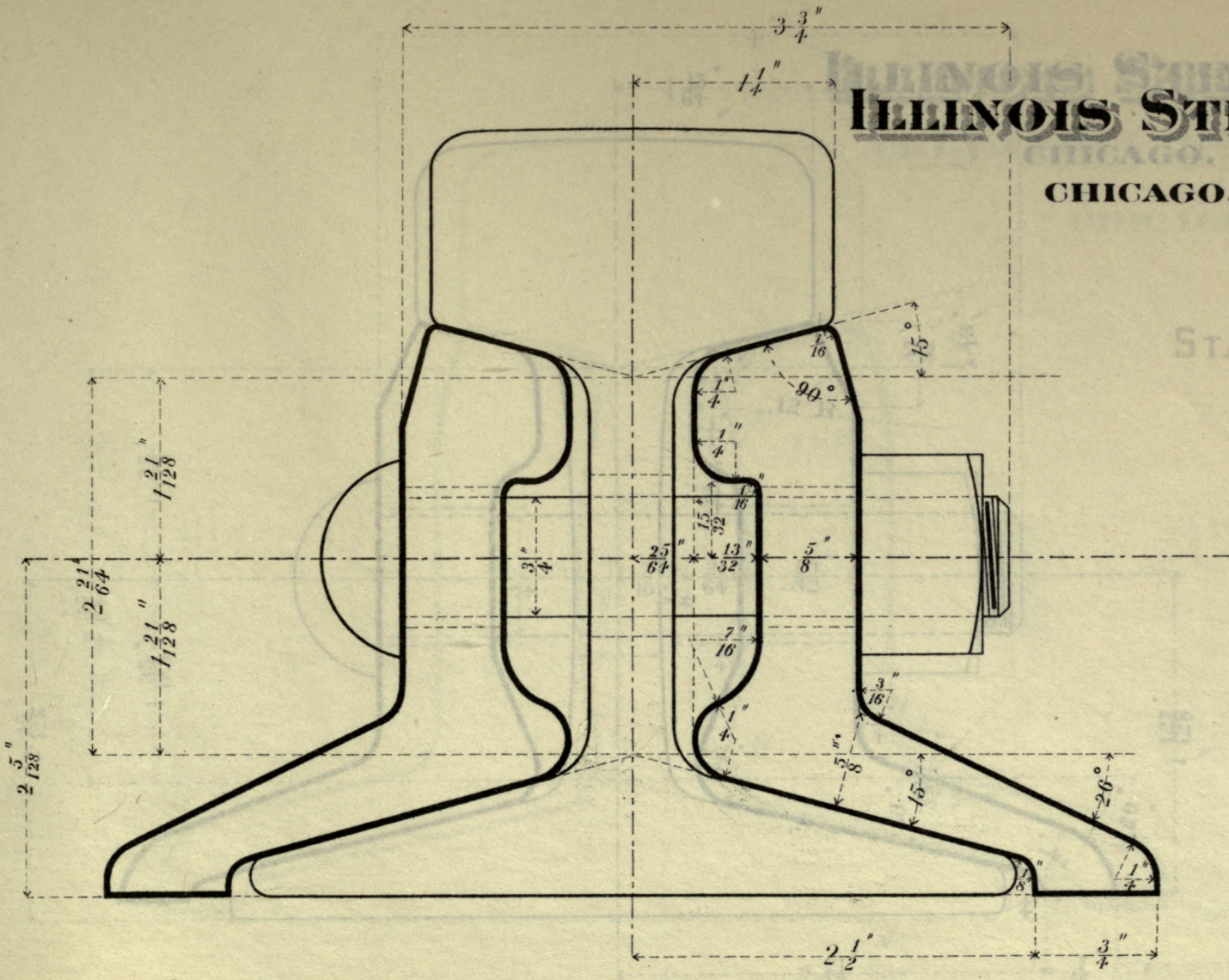


ANGLE BAR SECTION No. 7301 A.
Wt. 15.0 Lbs. Per Foot.

WILSON'S STEEL CO.

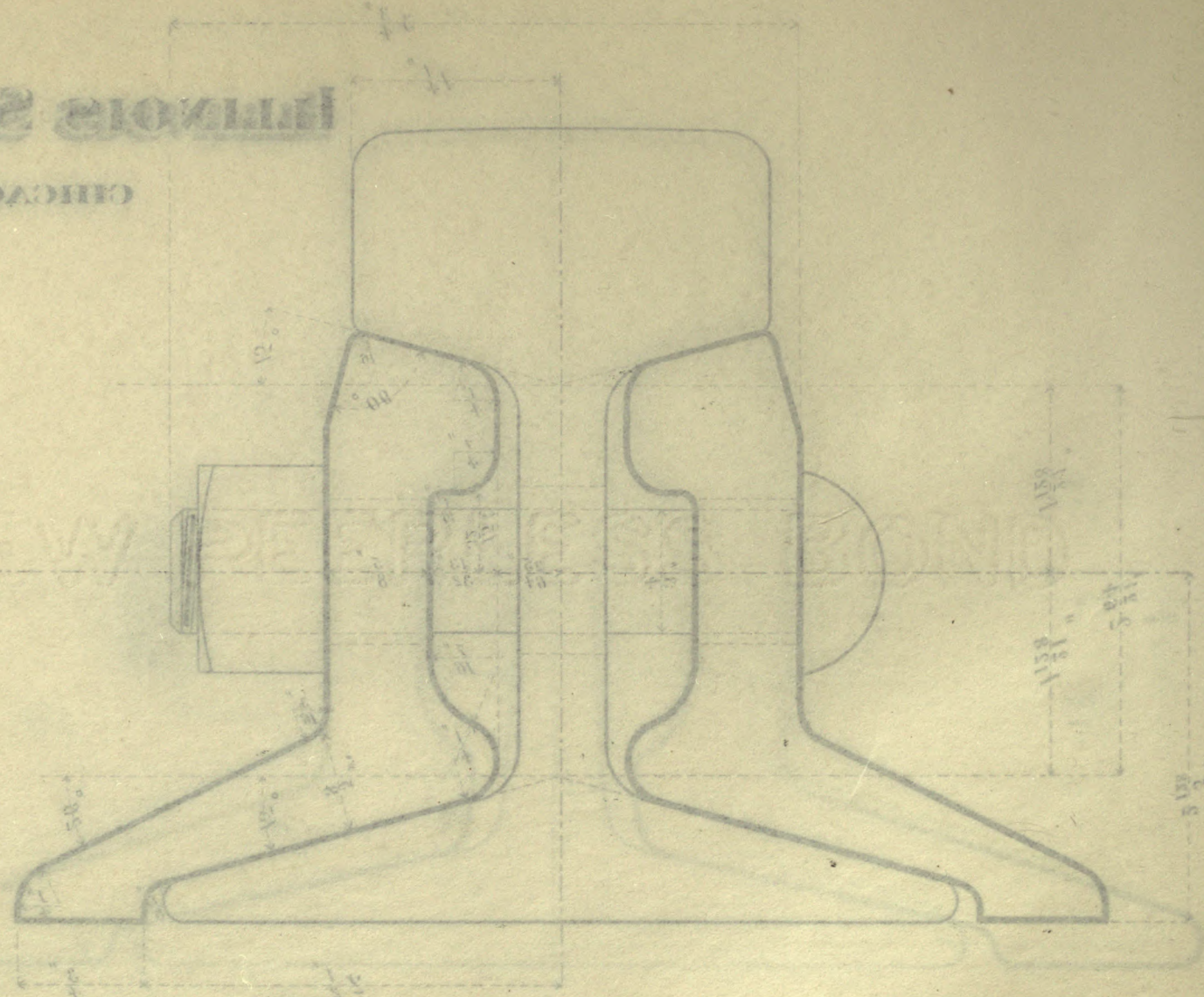
CHICAGO.

ILLINOIS STEEL CO.
 CHICAGO.



ANGLE BAR SECTION N°7502 A.
 Wt. 10.9 Lbs. Per Foot.

WILKINS STEEL CO.
CHICAGO.



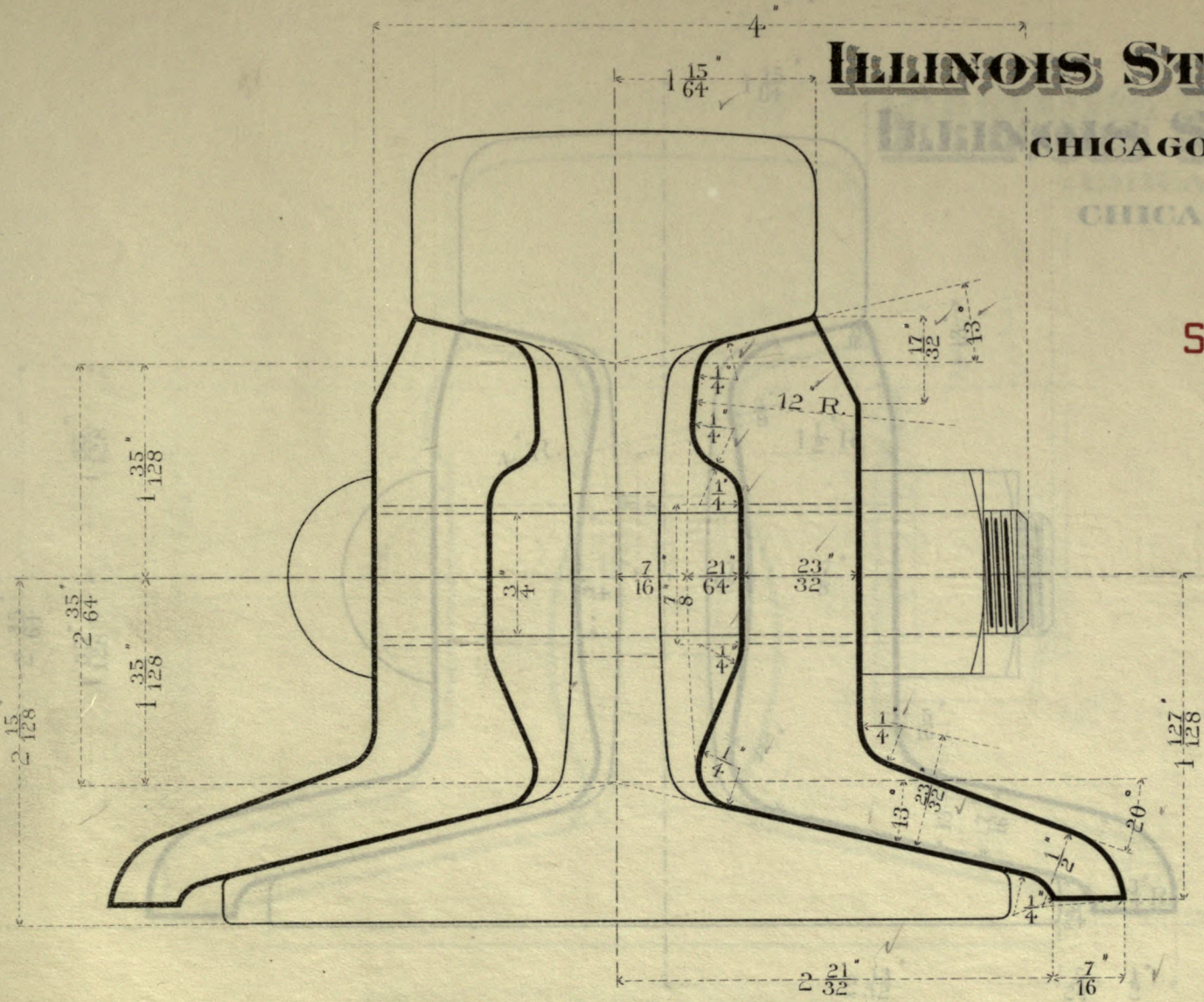
ANGLE BAR SECTION NO. 7205 A
Wt. 10.9 Lbs. Per Foot.

ILLINOIS STEEL CO.

CHICAGO.

CHICAGO.

STANDARD.

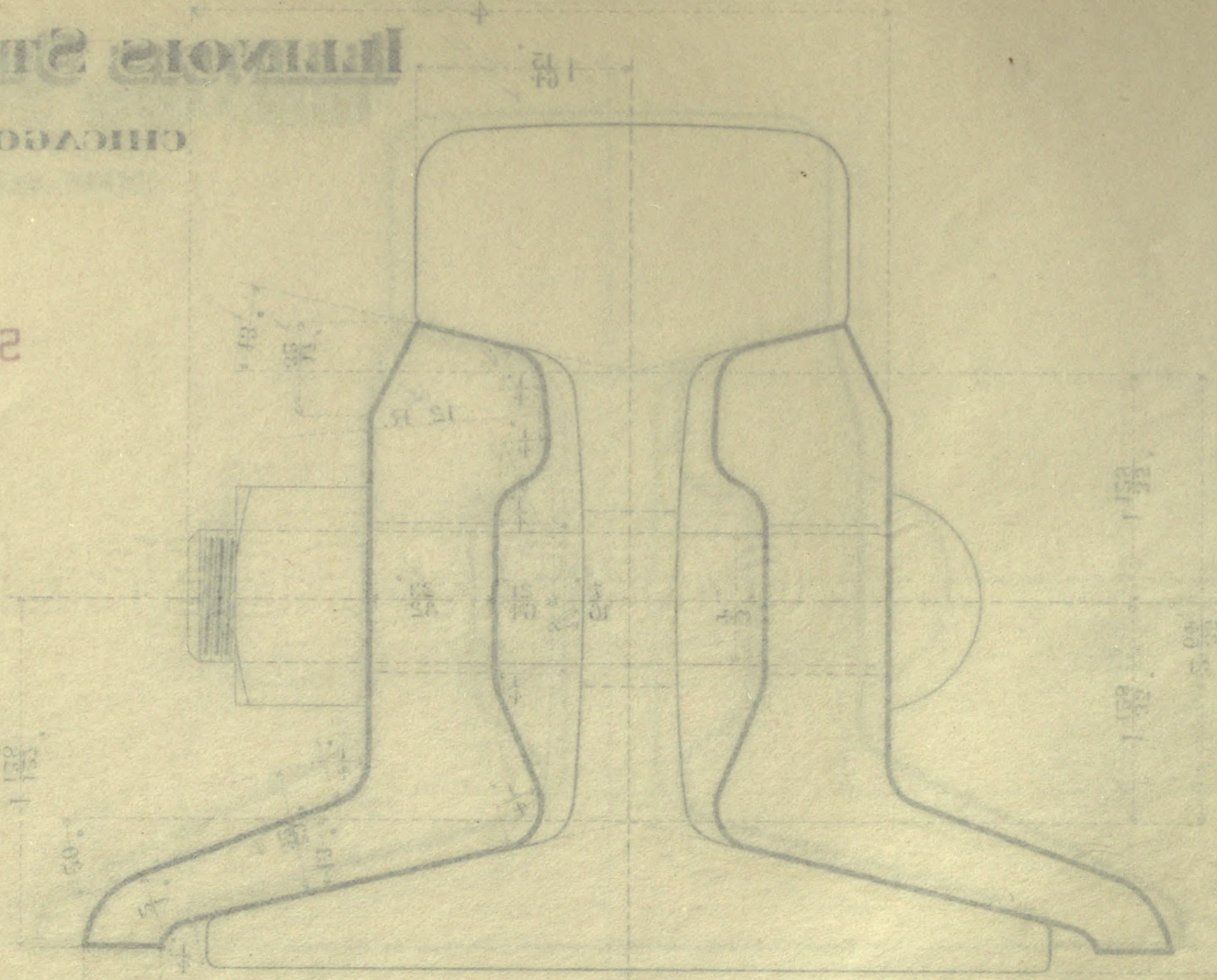


ANGLE BAR SECTION NO. 7506 A.
Wt. 10.68 Lbs. Per Foot.

WILSON'S STEEL CO.

CHICAGO.

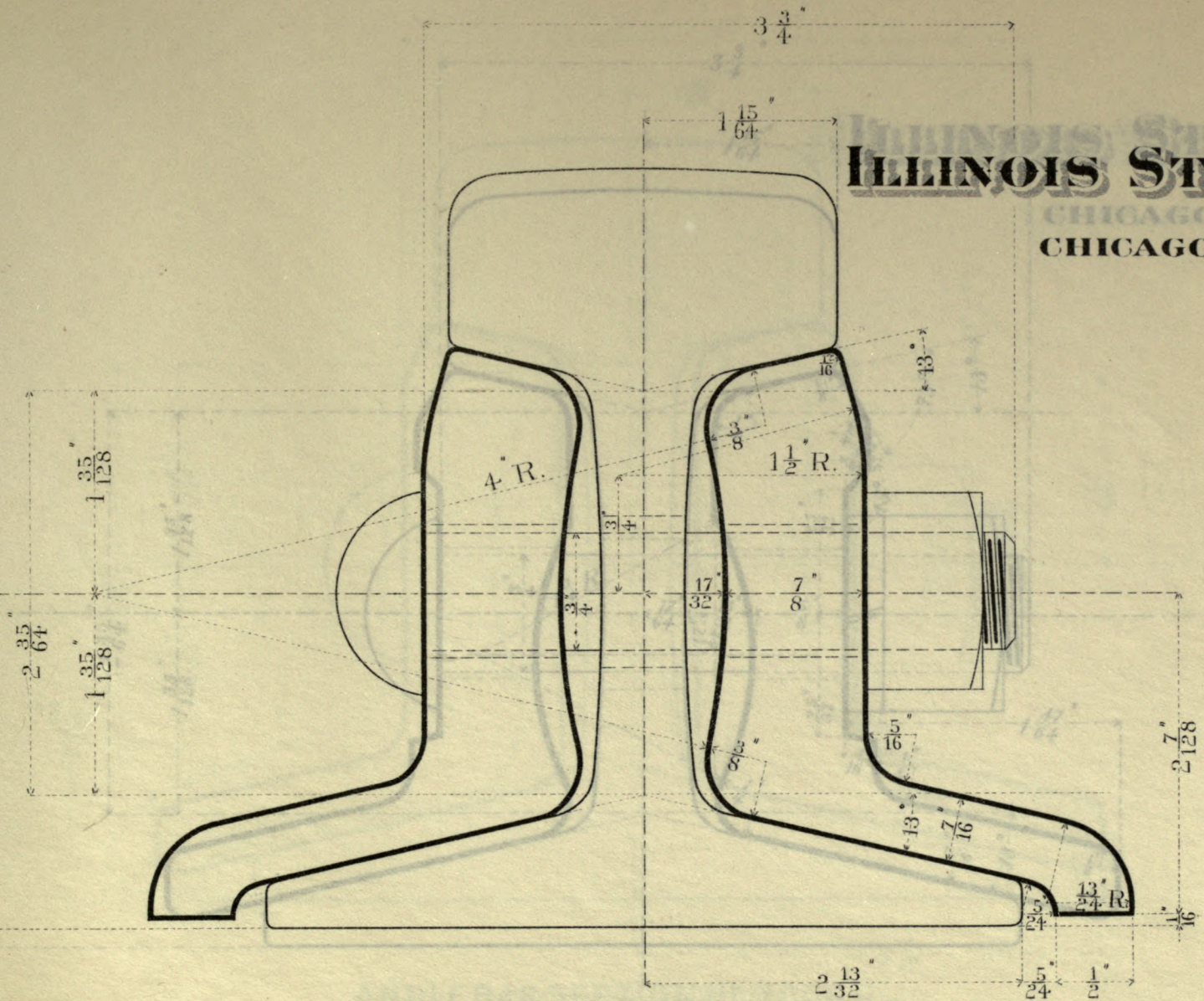
STANDARD.



ANGLE BAR SECTION NO. 2508A.

Wt 10.68 lbs. Per Foot.

ILLINOIS STEEL CO.
 CHICAGO.
 CHICAGO.

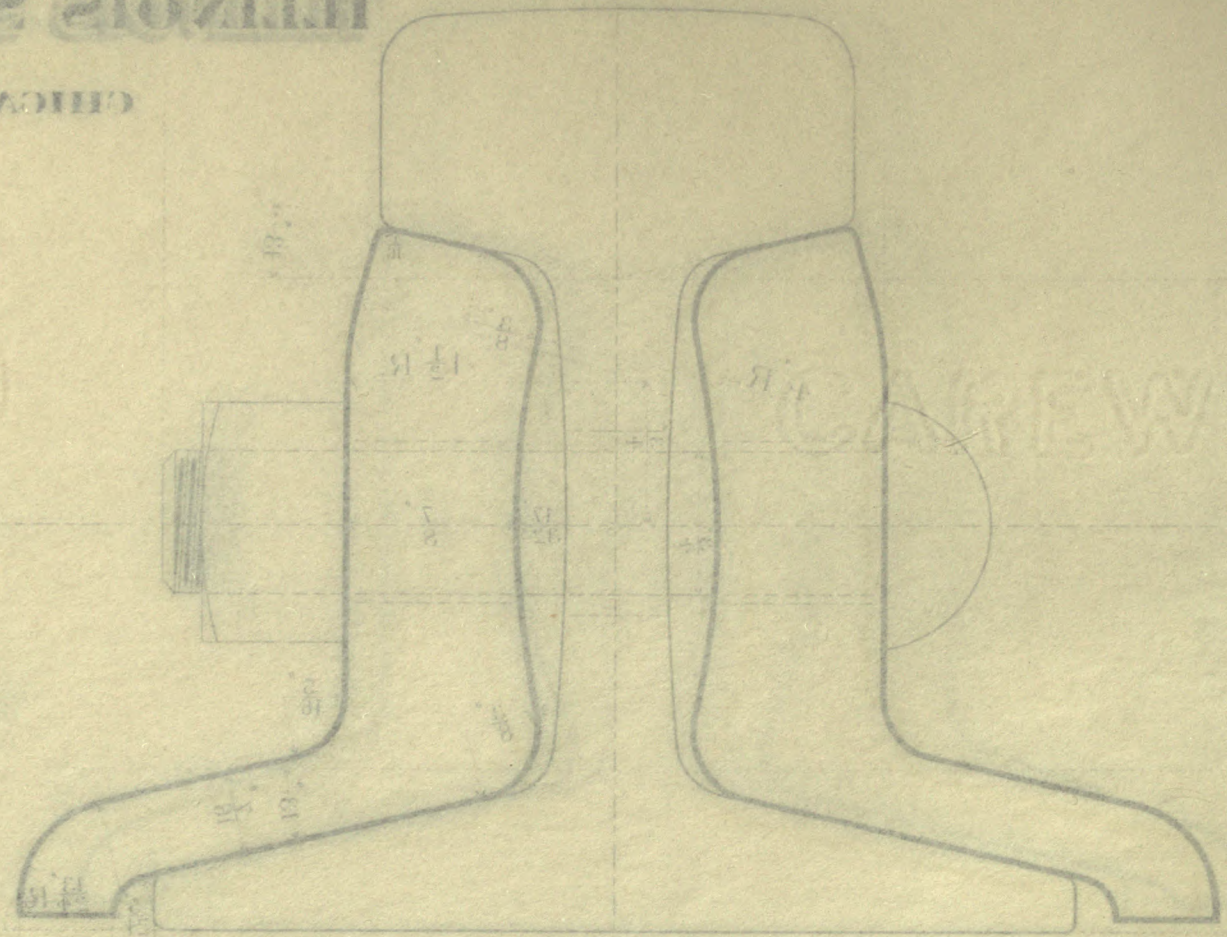


ANGLE BAR SECTION N° 7506 B.
 Wt. 11.9 Lbs. Per Foot.

3 1/4

WILSON & JOHNSON

CHICAGO

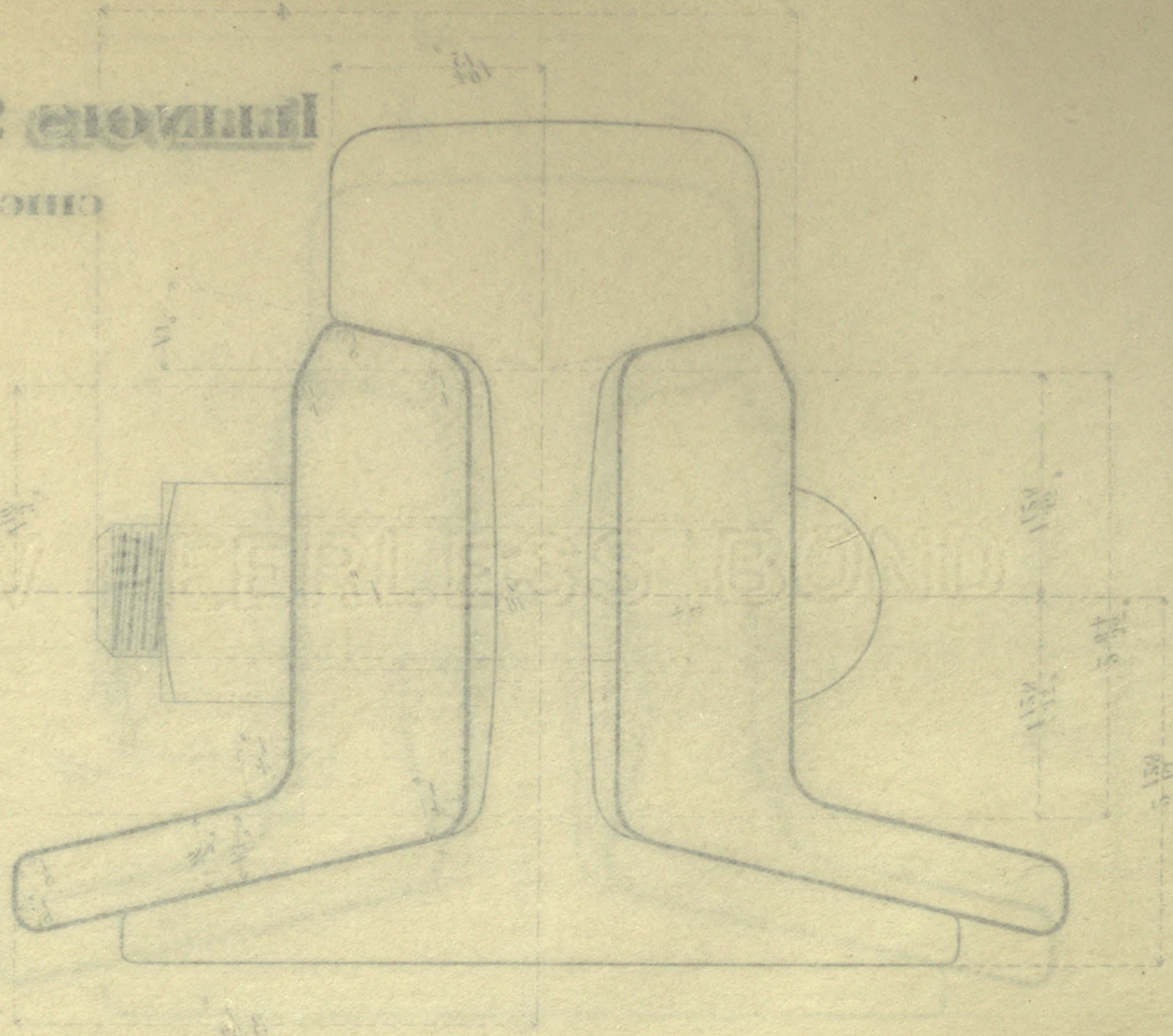


ANGLE BAR SECTION No. 2508 B.
 Wt. 11.9 Lbs. Per Foot.

1 1/2

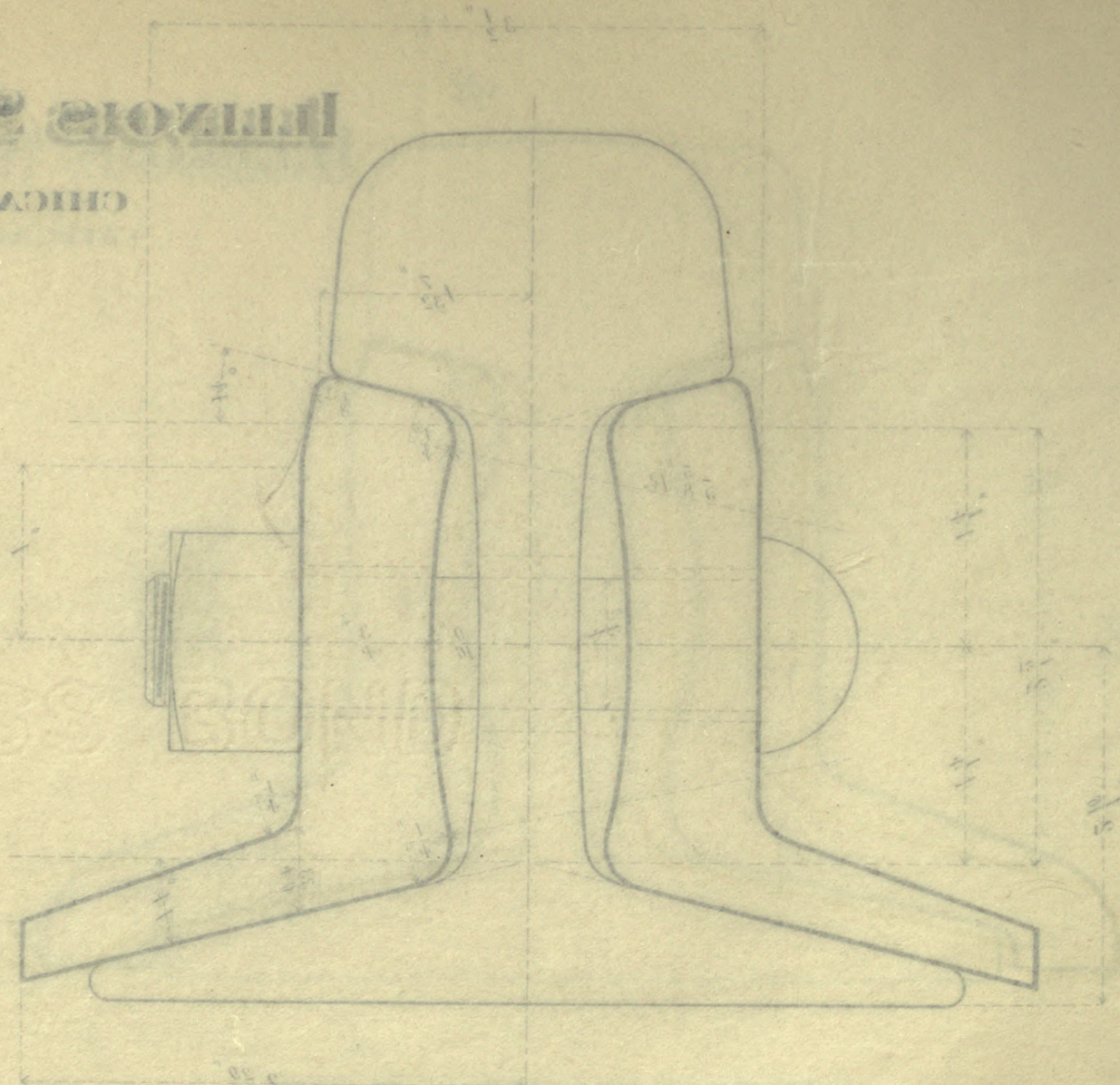
1 1/2

AMERICAN STEEL CO.
CHICAGO.



ANGLE BAR SECTION No. 2508 D.
Wt. 15.31 Lbs. Per Foot.

WILSON'S STEEL CO.
CHICAGO.

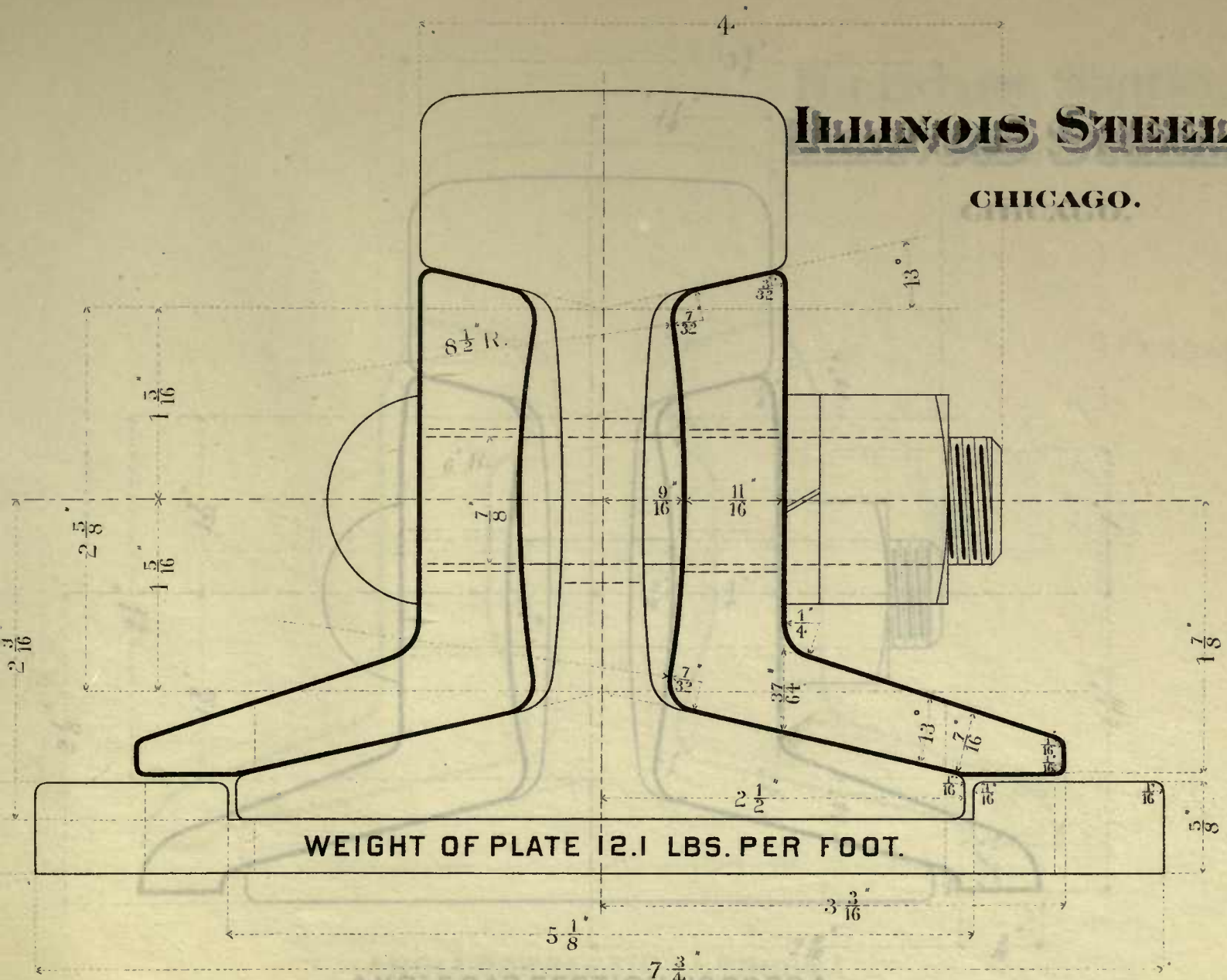


ANGLE BAR SECTION No. 7503A.
W. 10.27 Lbs. Per Foot.

WIRELESS COMMUNICATIONS

ILLINOIS STEEL CO.

CHICAGO.



WEIGHT OF PLATE 12.1 LBS. PER FOOT.

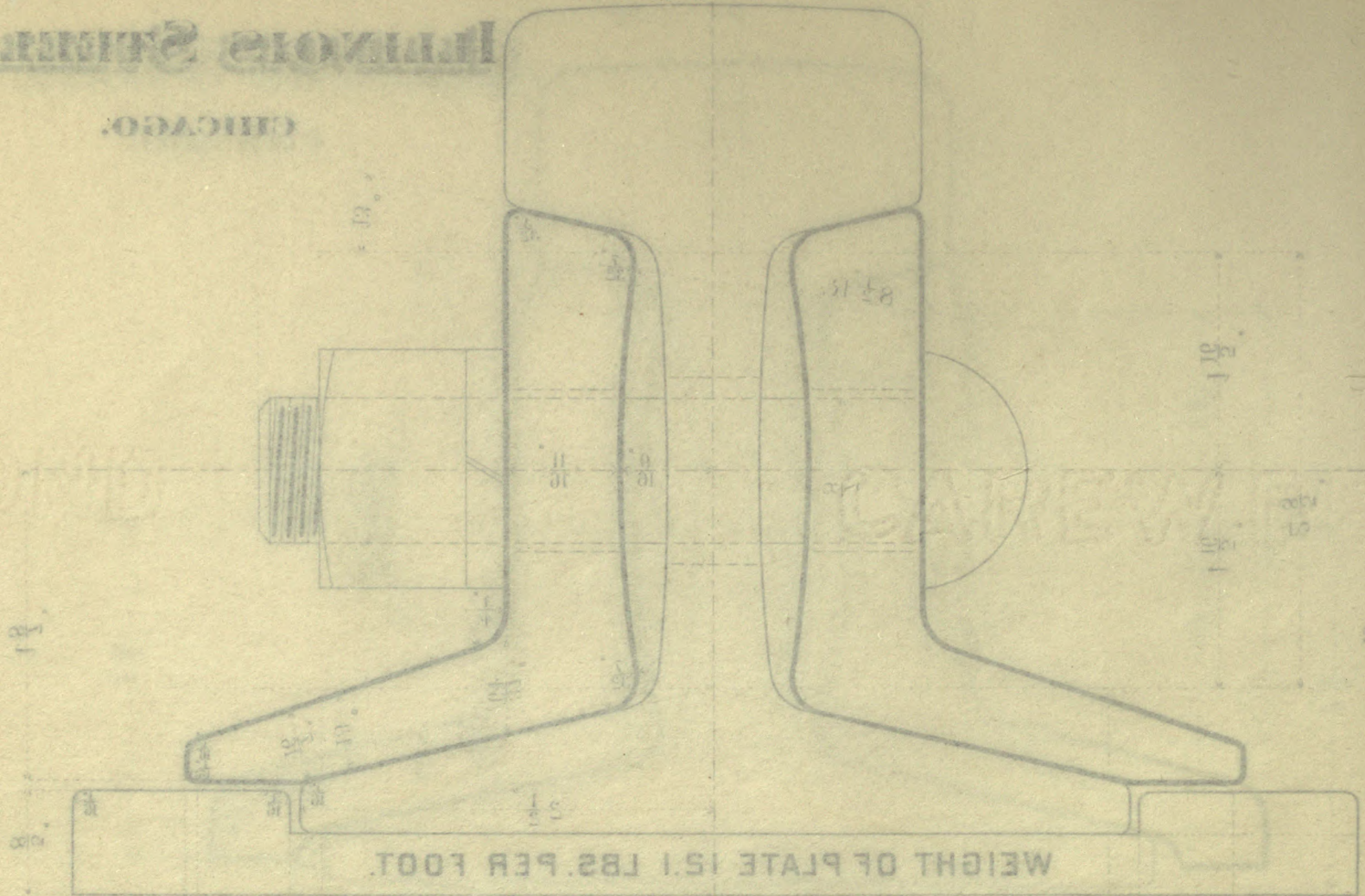
ANGLE BAR SECTION N° 8001 B.

Wt. 10.4 Lbs. Per Foot.

WILSON & JONES CO.
CHICAGO

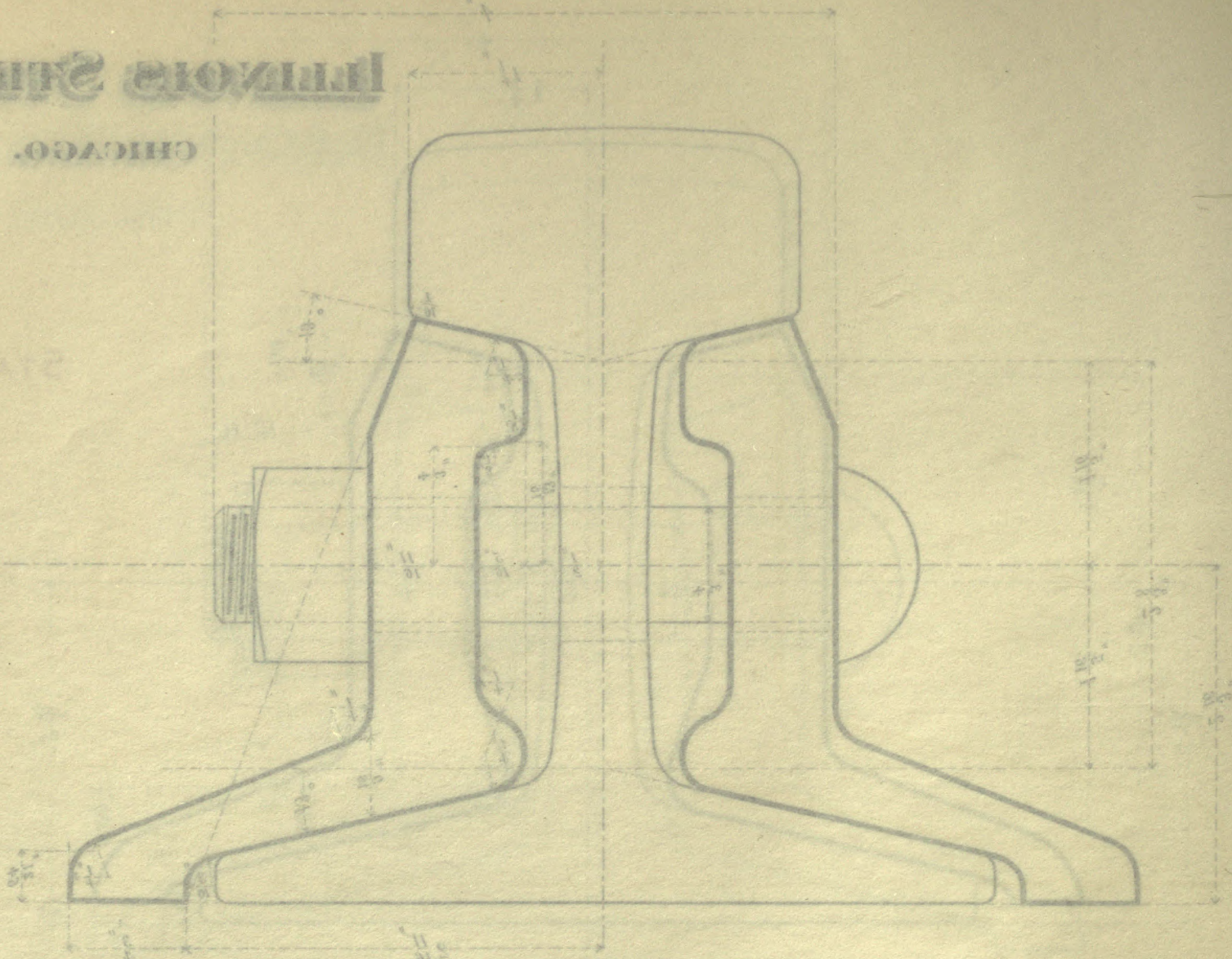
ANGLE BAR SECTION NO 8001 B.
WT. 10.4 LBS. PER FOOT.

WEIGHT OF PLATE IS 1 LBS. PER FOOT.



ILLINOIS STEEL CO.

CHICAGO.

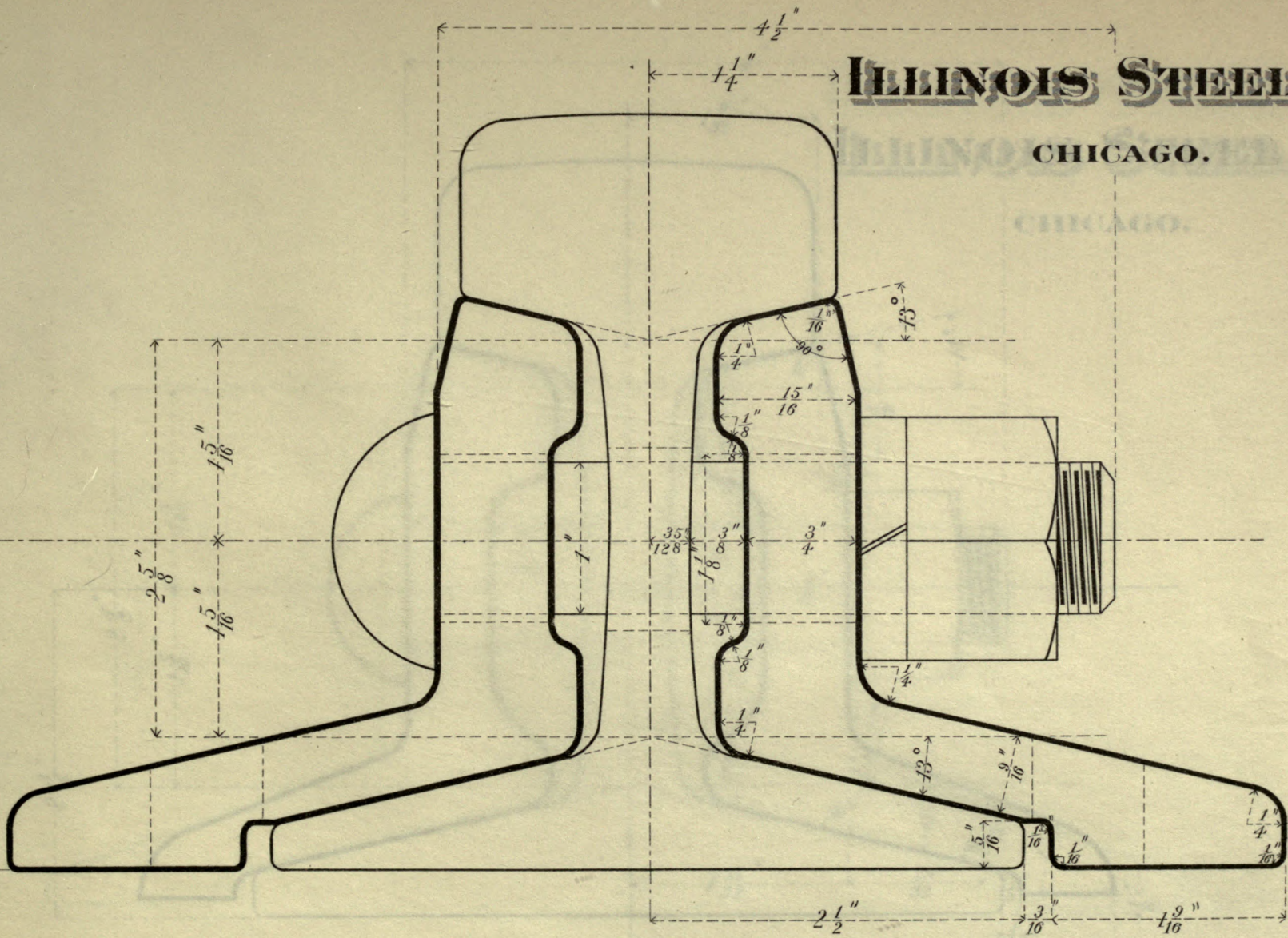


ANGLE BAR SECTION NO. 8004 B.
 WT. 11.55 LBS. PER FOOT.

STANDARD

ILLINOIS STEEL CO.

CHICAGO.



ANGLE BAR SECTION N° 8004 C.

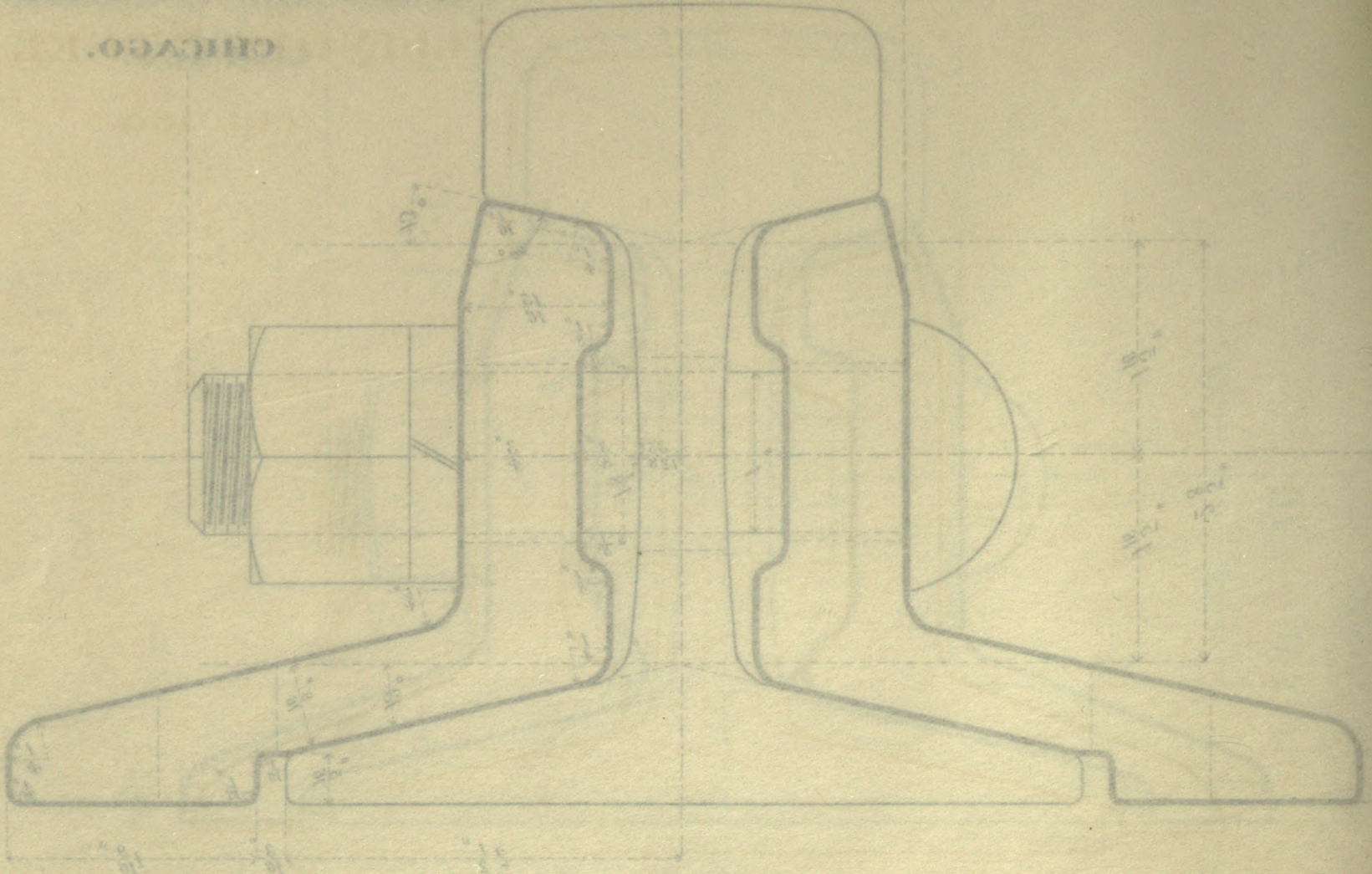
Wt. 14.65 Lbs. Per Foot.

ANGLE BAR SECTION N° 8004 D.

Wt. 10.51 Lbs. Per Foot.

AMERICAN STEEL & WIRE CO.

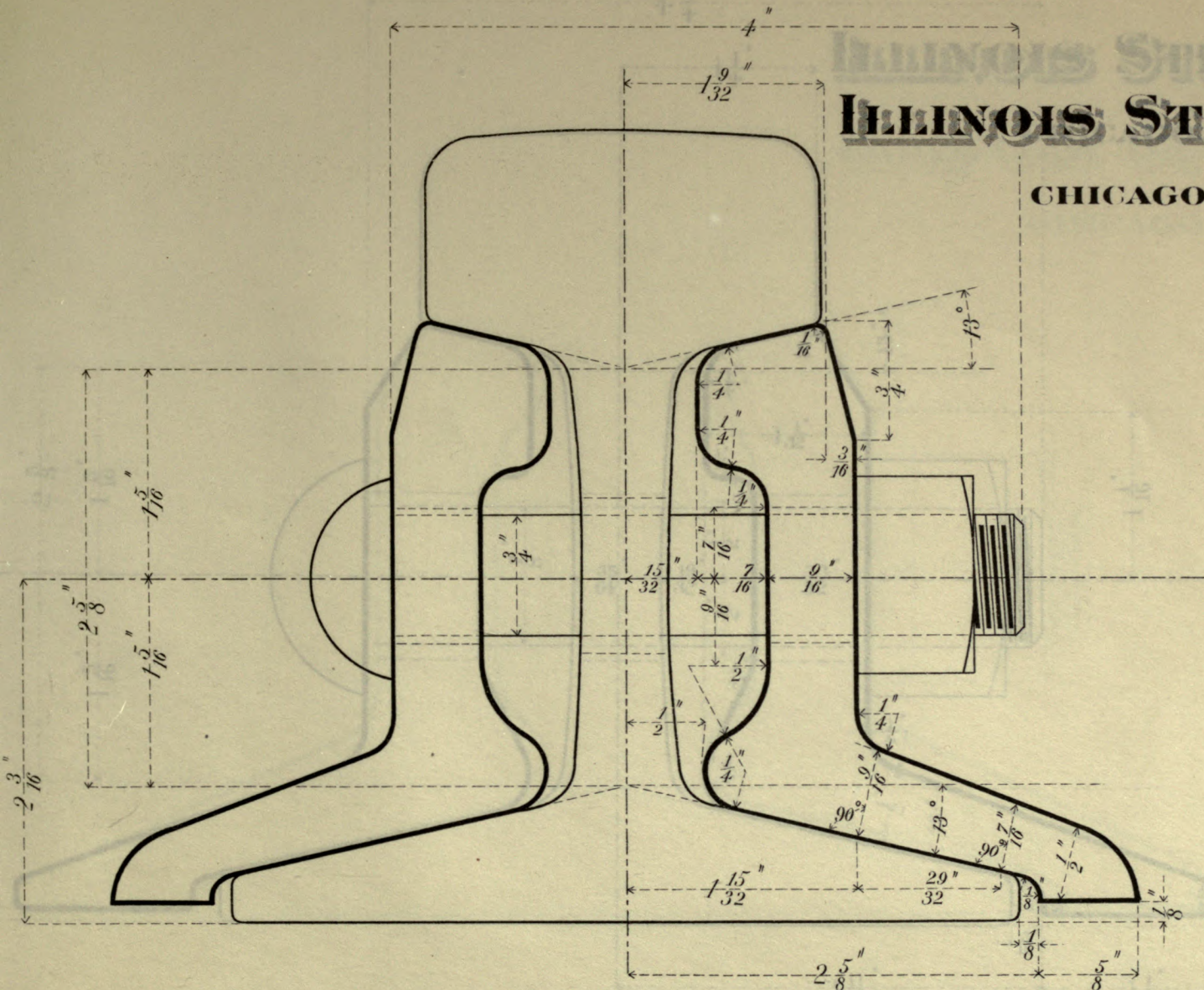
CHICAGO.



ANGLE BAR SECTION No 8004 C.
W 14.85 Lbs. Per Foot.

ILLINOIS STEEL CO.
ILLINOIS STEEL CO.

CHICAGO.

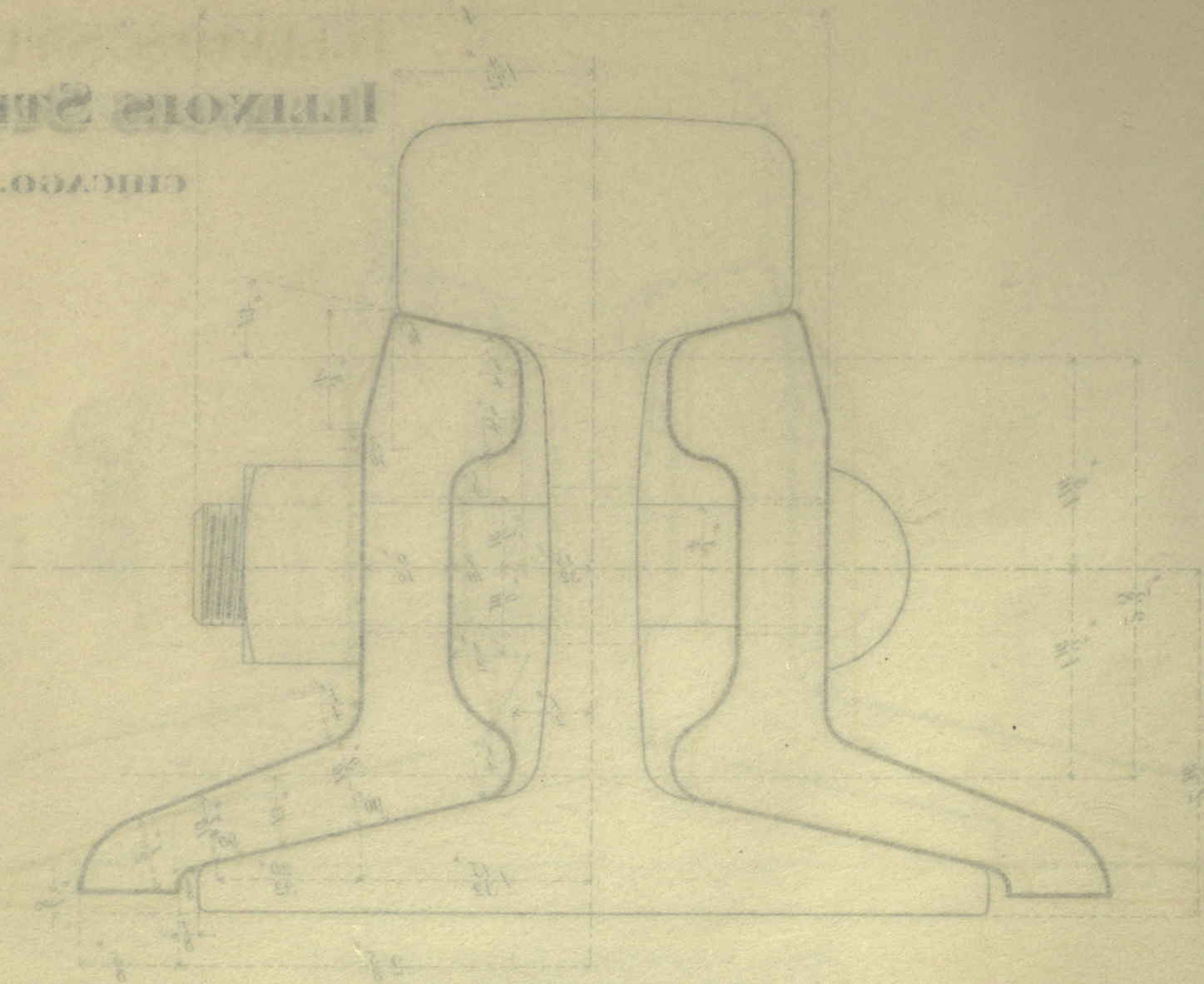


ANGLE BAR SECTION N° 8004D.

Wt. 10.61 Lbs. Per Foot.

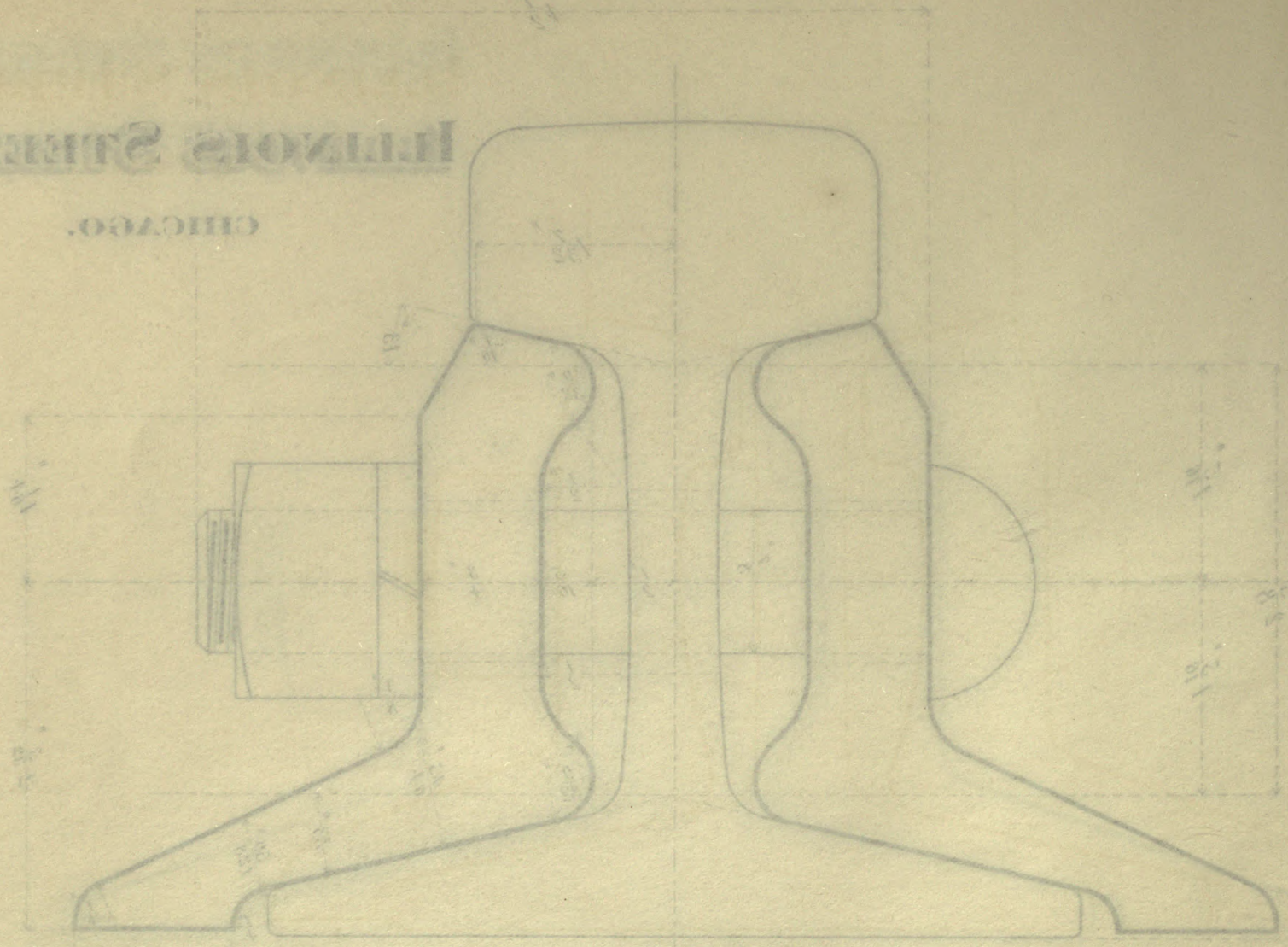
WILKINS STEEL CO

CHICAGO.



ANGLE BAR SECTION No 8004 D.
Wt 108 lbs Per Foot.

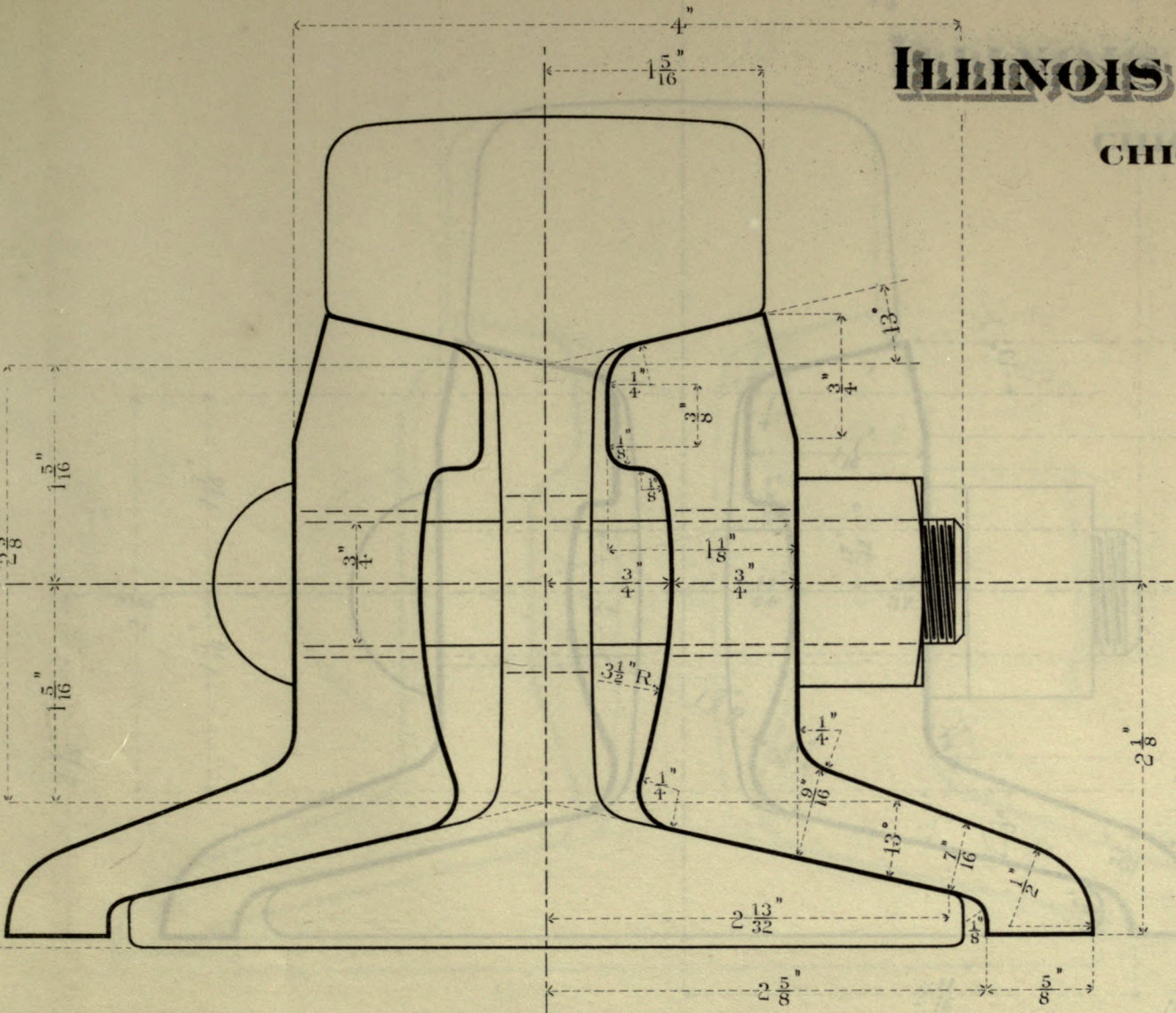
WELLS STEEL CO.
CHICAGO.



ANGLE BAR SECTION No. 8004 F.
Wt. 15.25 lbs. Per Foot.

ILLINOIS STEEL CO.

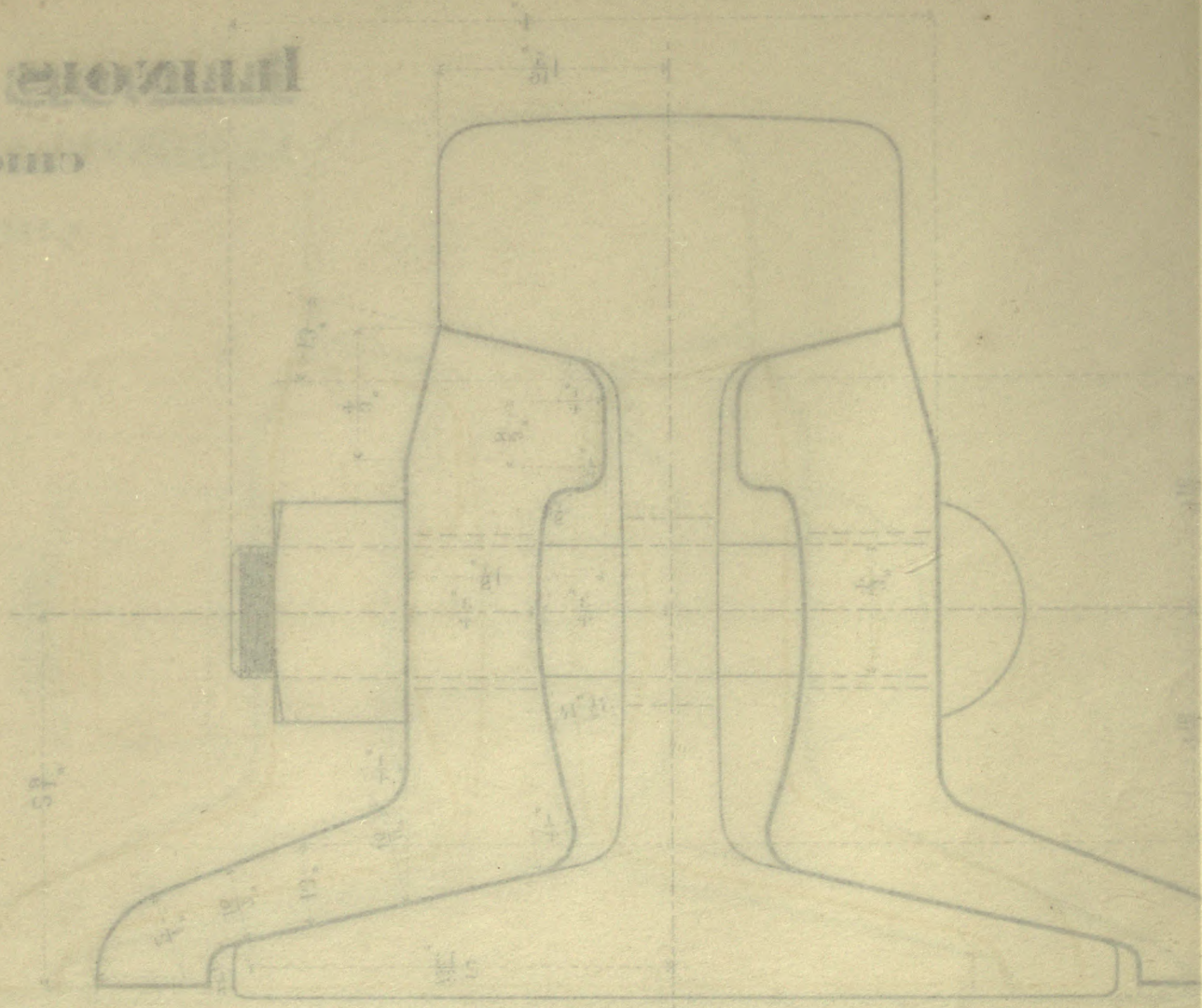
CHICAGO.



ANGLE BAR SECTION N° 8005A.
Wt. 12.2 Lbs. Per Foot.

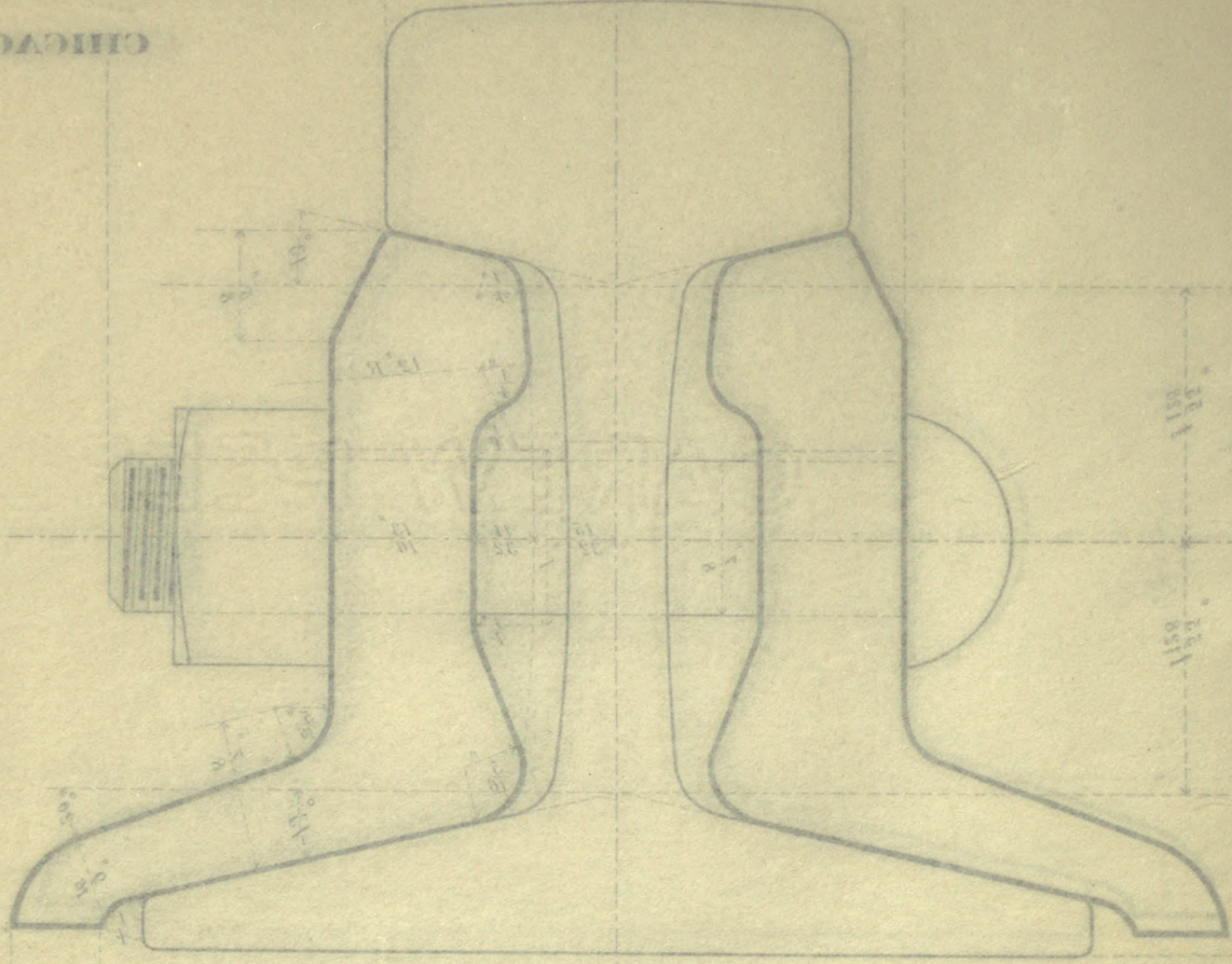
BRITISH STEEL CO

CHICAGO



ANGLE BAR SECTION NO 8002A
WT. 15.5 Lbs Per Foot.

ANGLE BAR SECTION No 9005 A.
Wt. 13.5 Lbs. Per Foot.



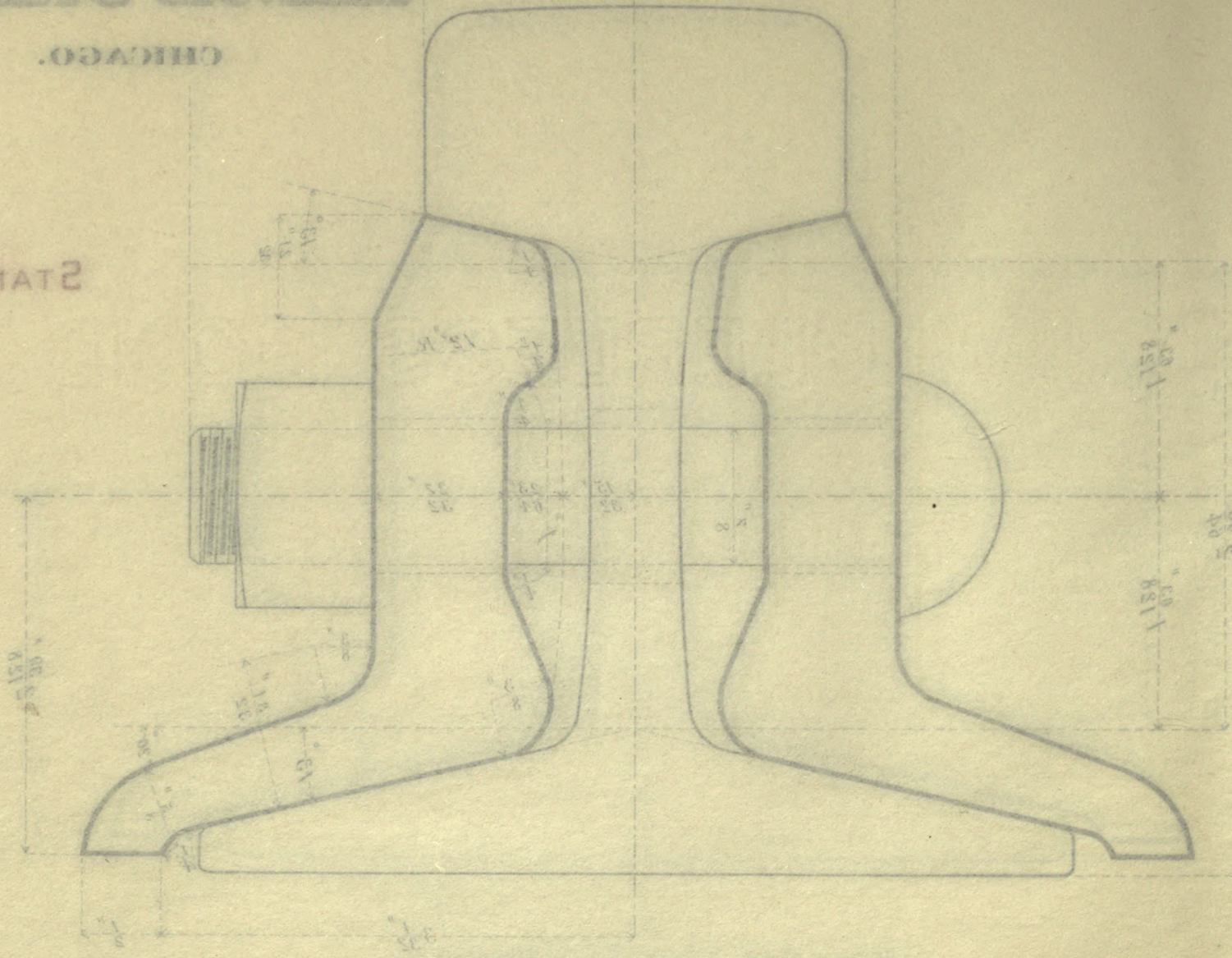
CHICAGO.

WELLS STRENGTH CO.

STANDARD.

ANGLE BAR SECTION No 9501 A.

Wt. 14.7 lbs. Per Foot



CHICAGO.

WILKINSON'S SHEET PAPER CO.

STANDARD.

15.125

1.125

0.125

13°

15.125

0.125

0.125

0.125

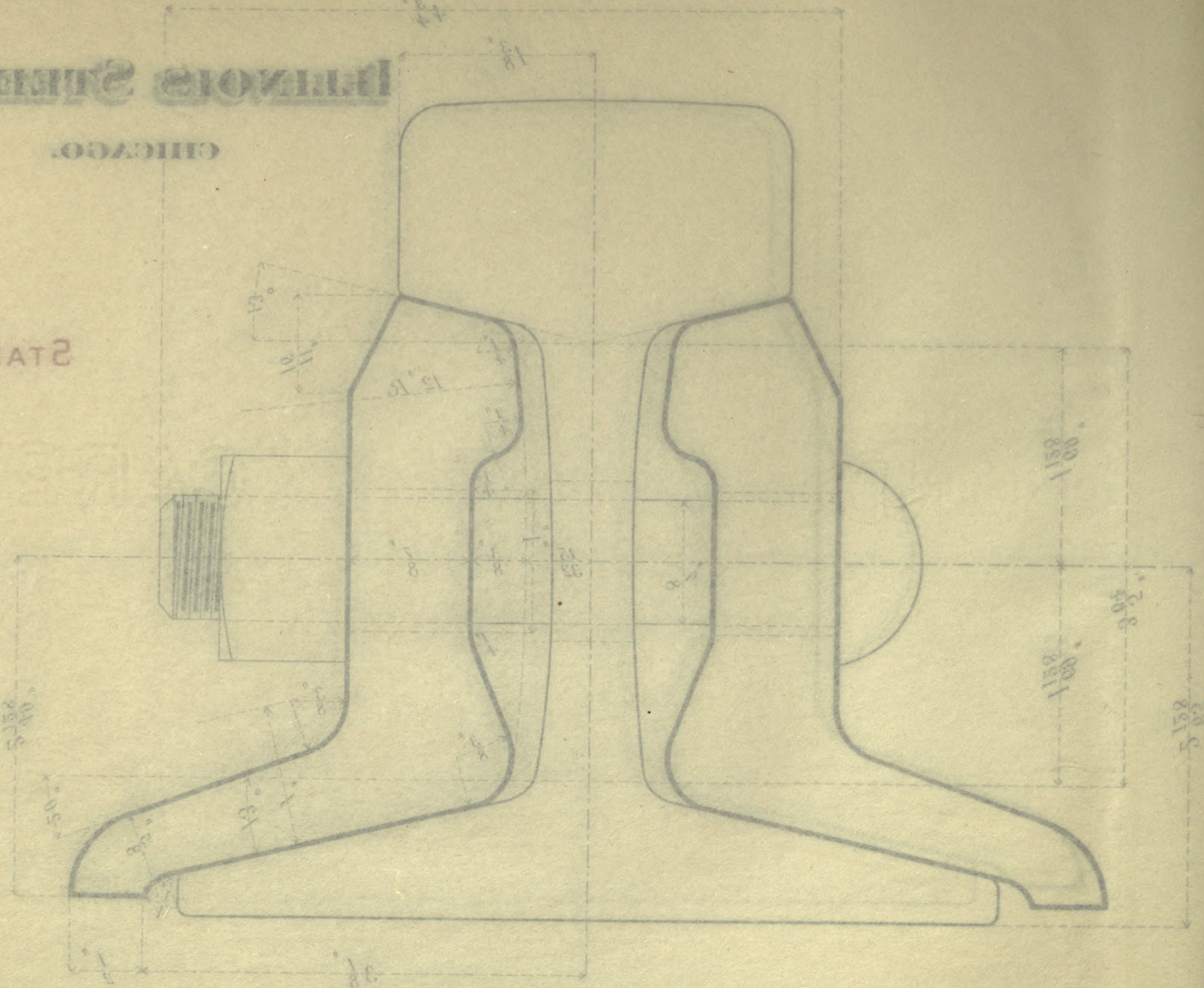
0.8

1.875

1.125

0.125

ANGLE BAR SECTION NO 10001A.
W. 1578 Lbs. Per Foot.



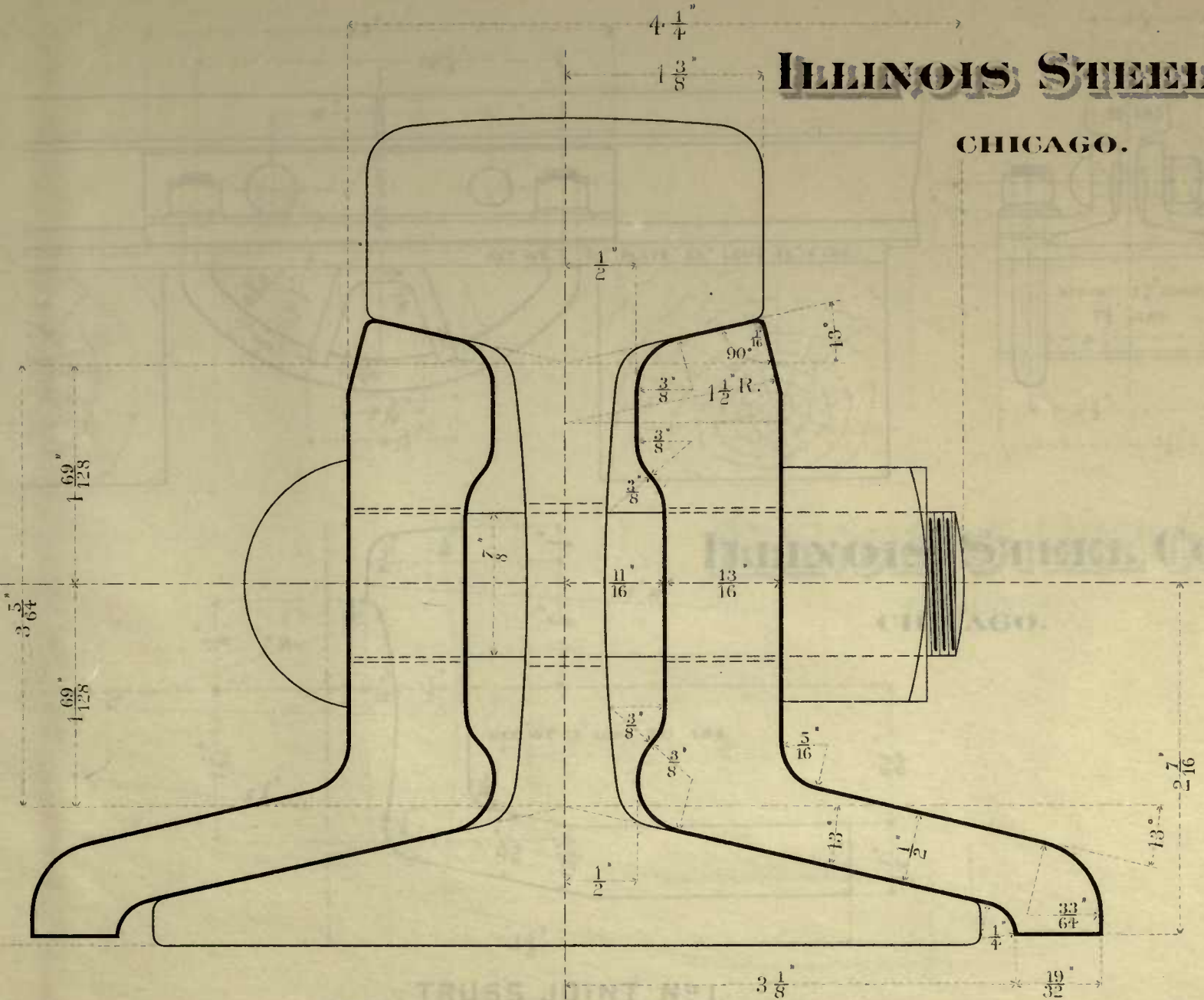
CHICAGO

STANDARD

WILSONS STEEL CO

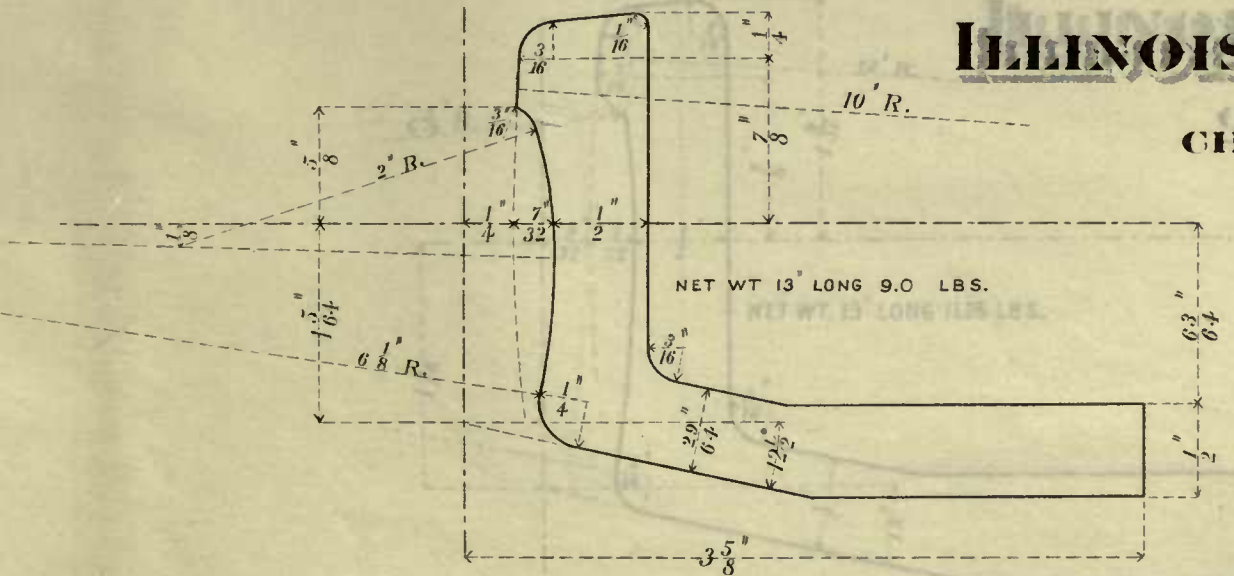
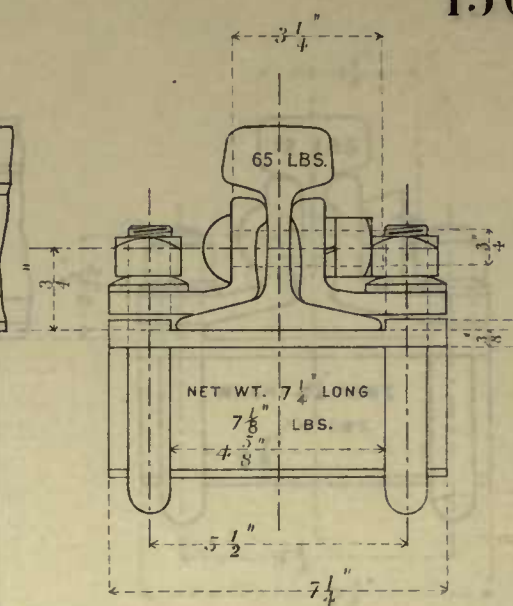
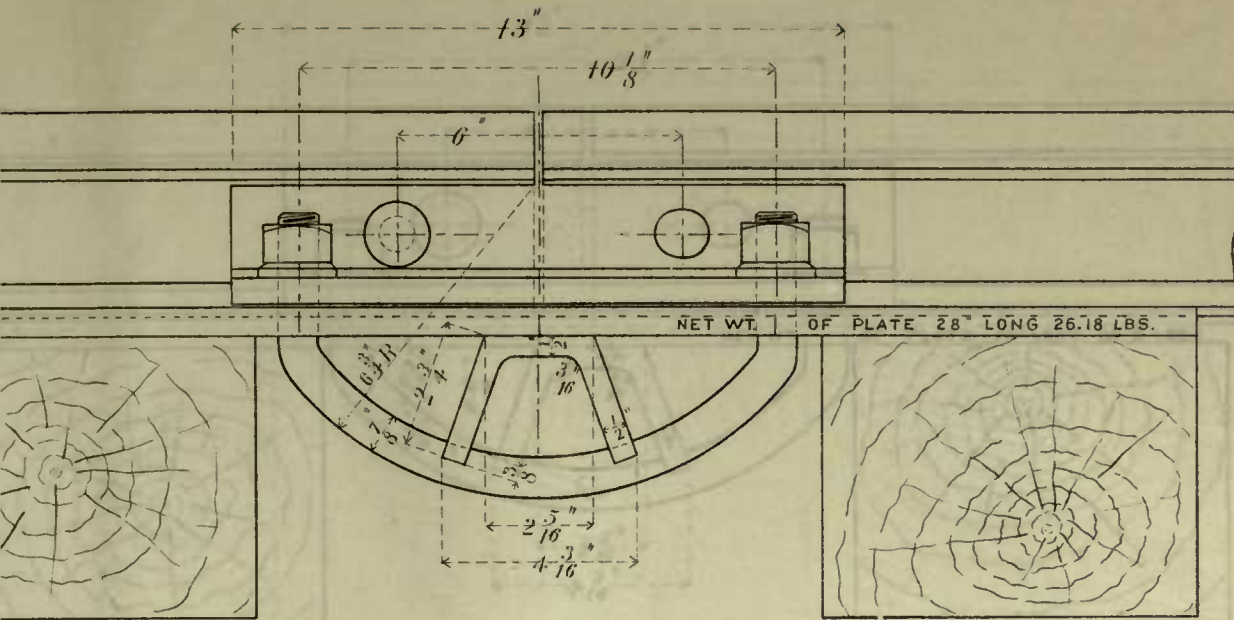
ILLINOIS STEEL CO.

CHICAGO.



ANGLE BAR SECTION N^o 1000 IB.

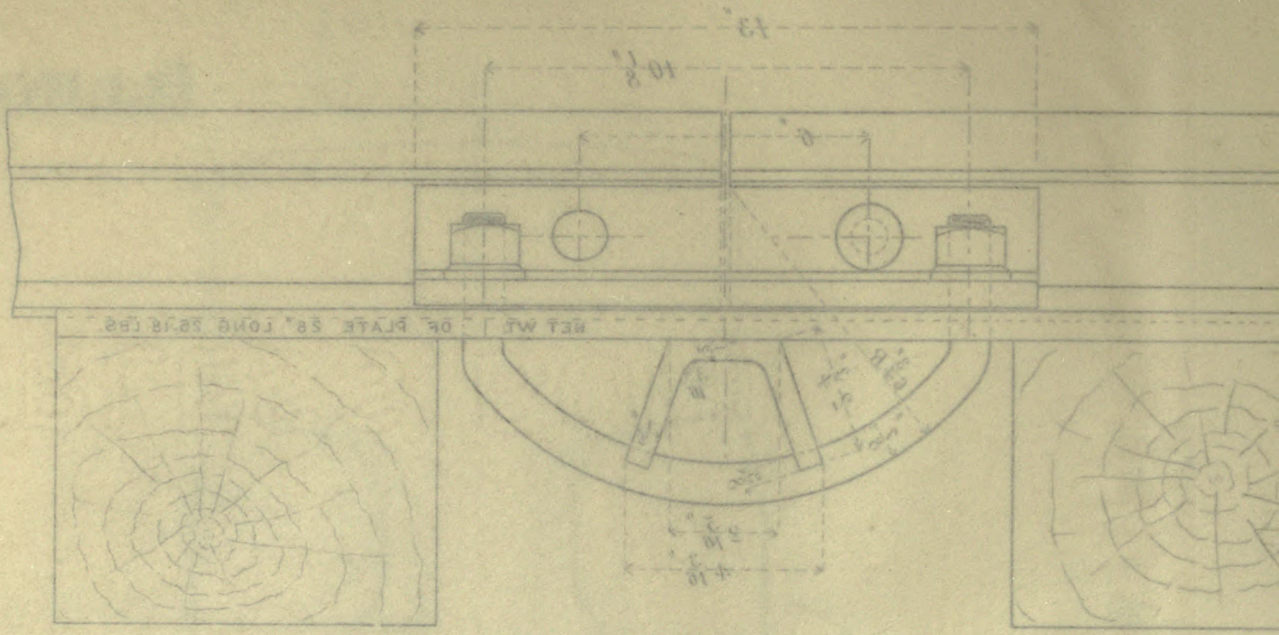
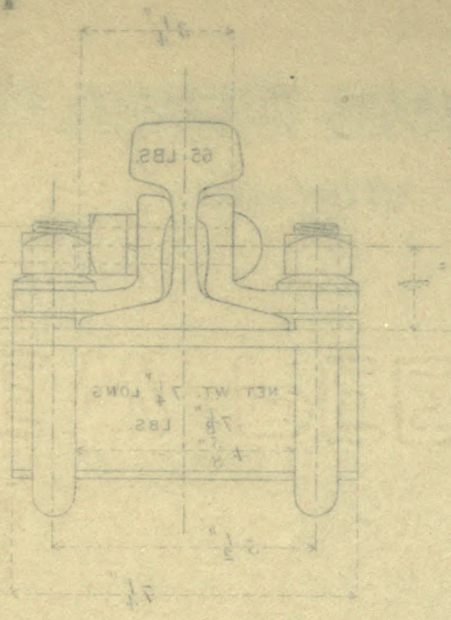
Wt. 14.6 Lbs. Per Foot.



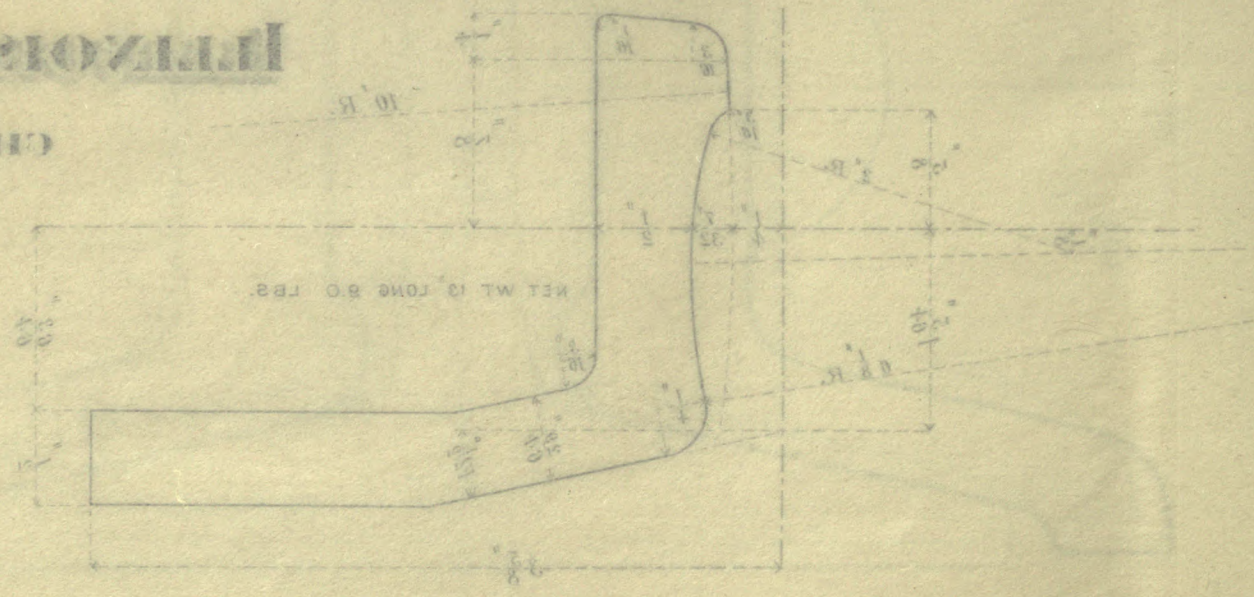
ILLINOIS STEEL CO.
CHICAGO.

TRUSS JOINT NO. 1.

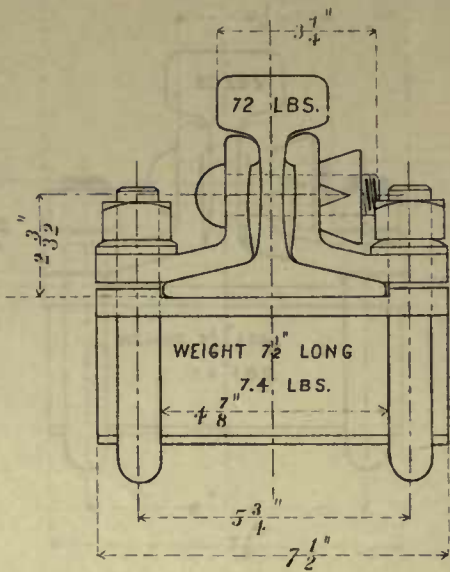
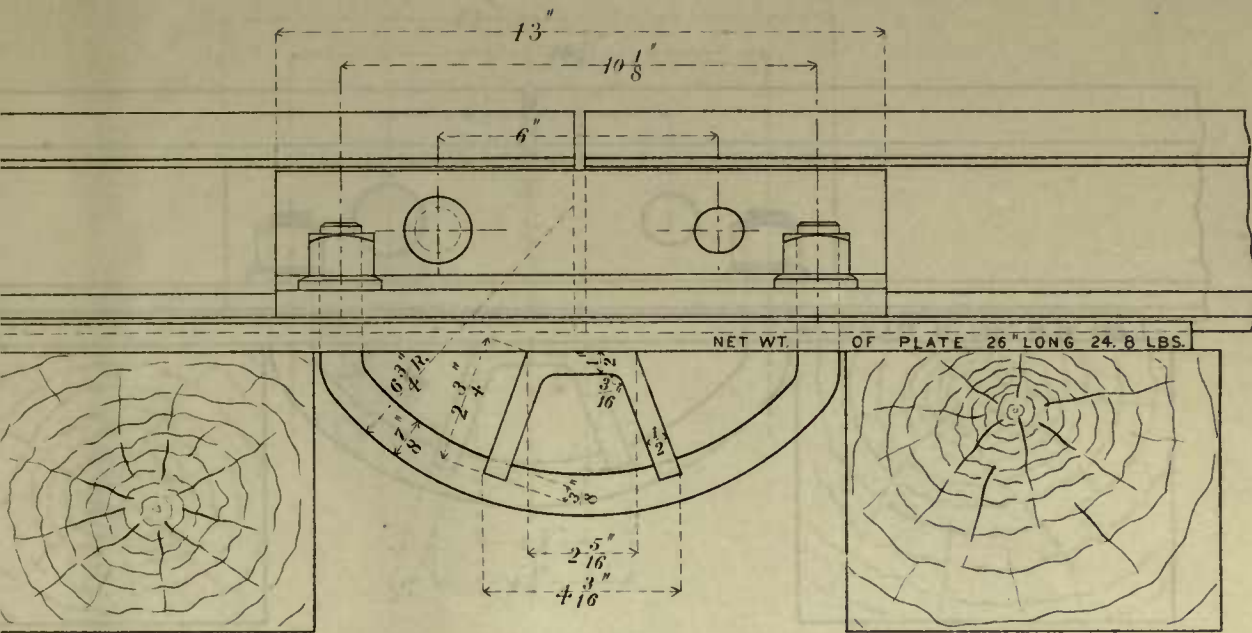
TRUSS JOINT NO. 2.



TRUSS JOINT NO. 1
CHICAGO.

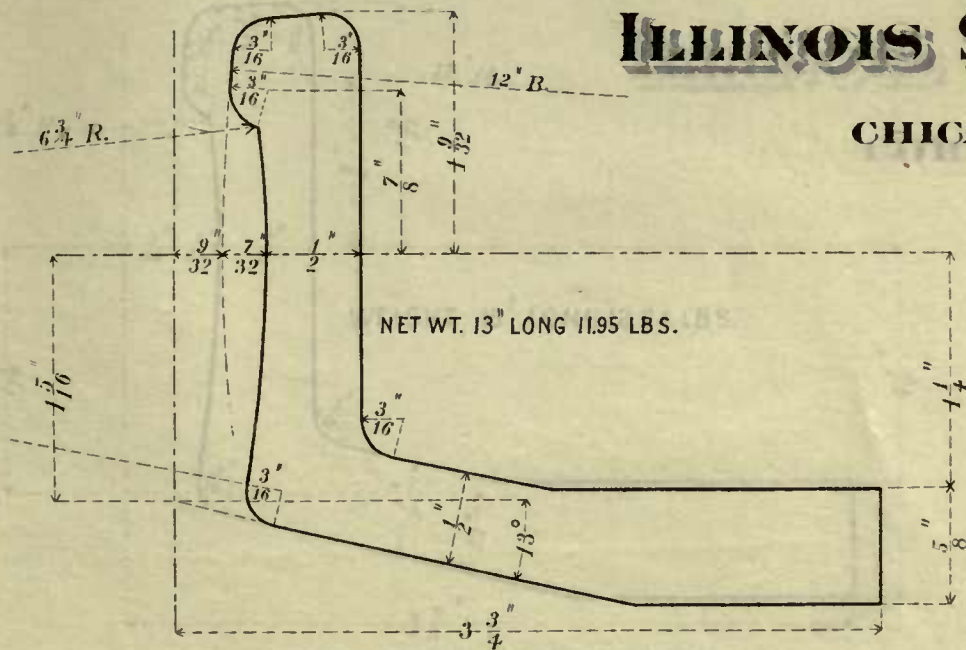


TRUSS JOINT NO. 1

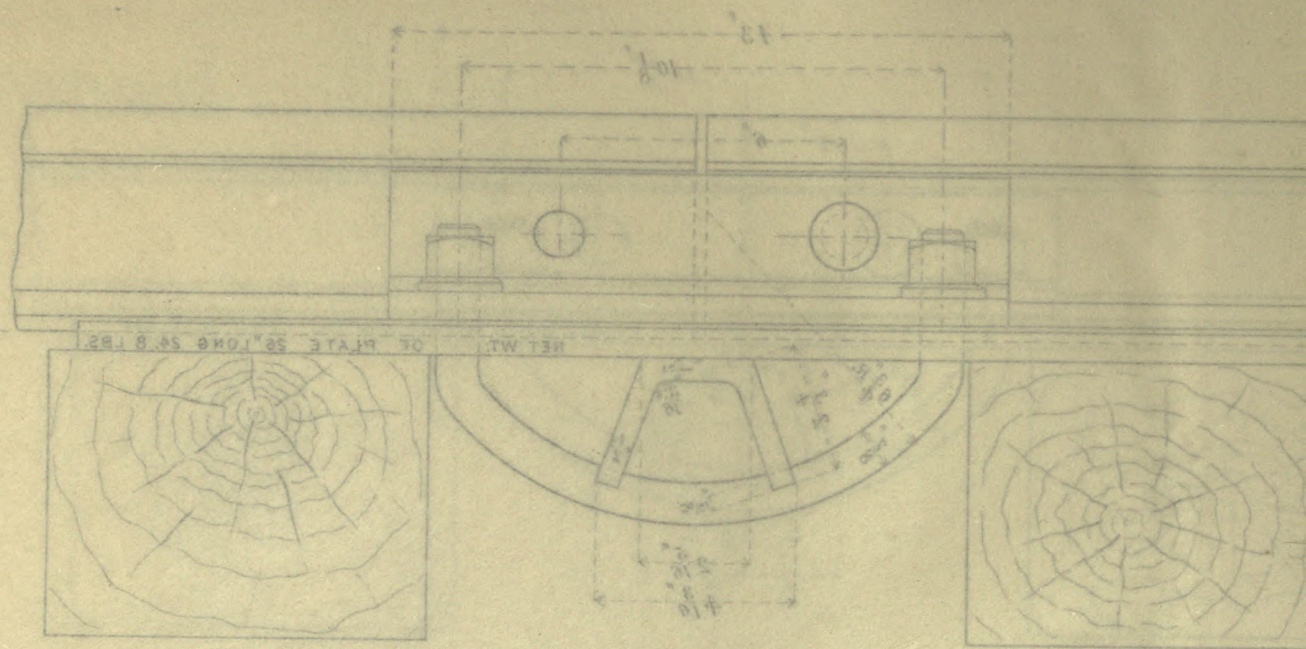
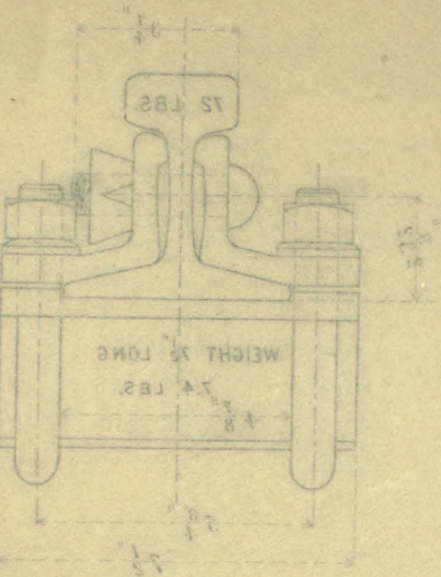


ILLINOIS STEEL CO.

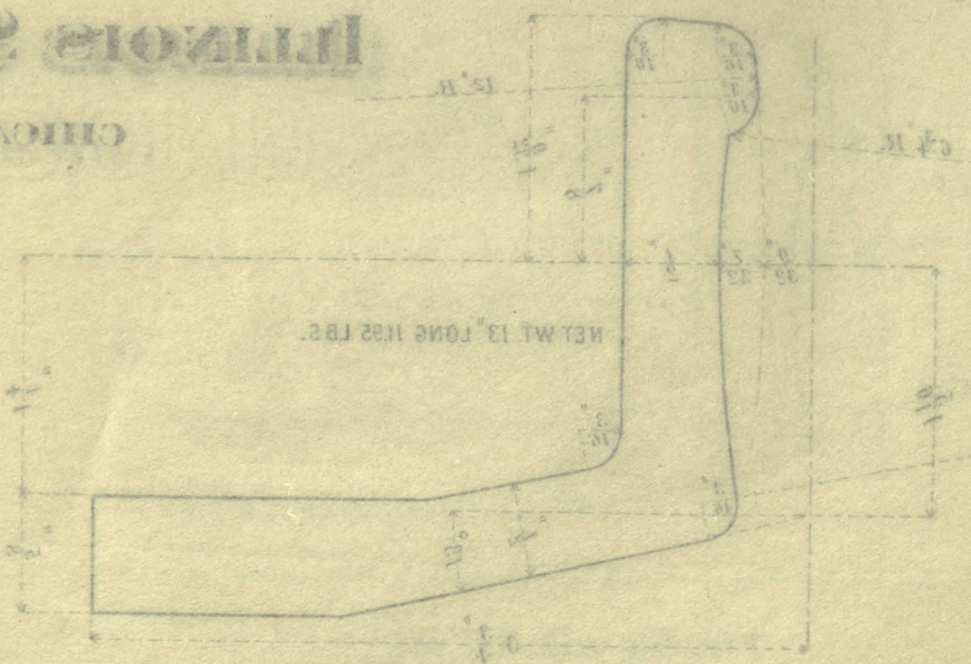
CHICAGO.



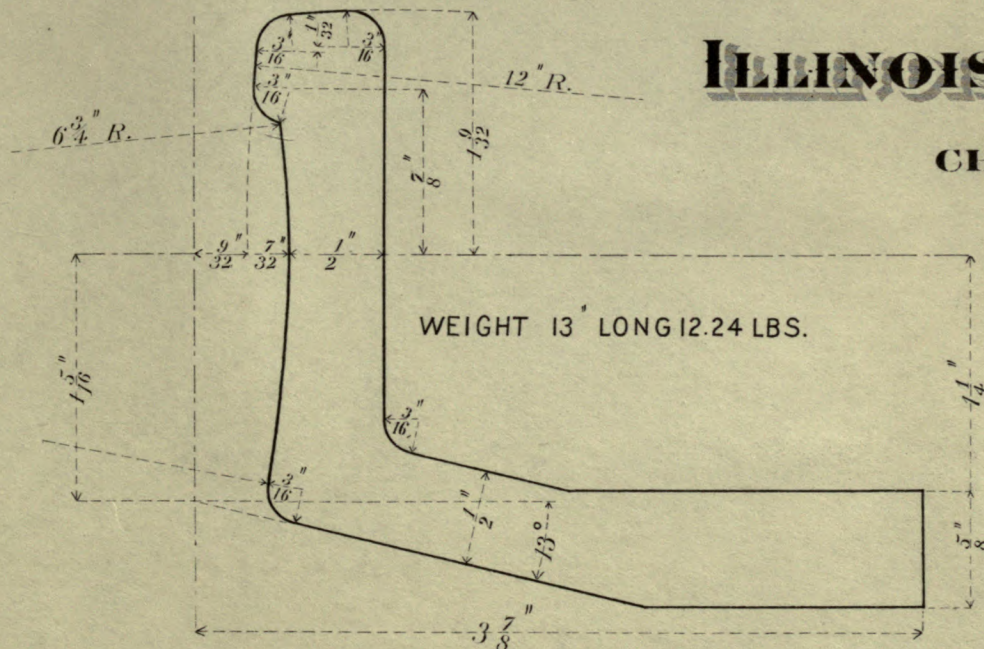
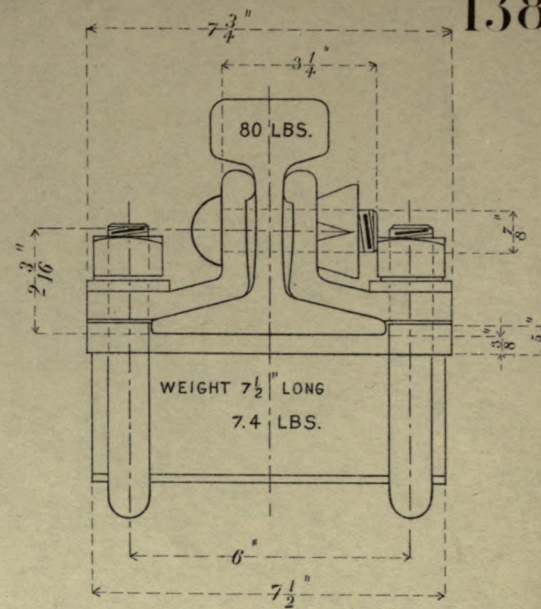
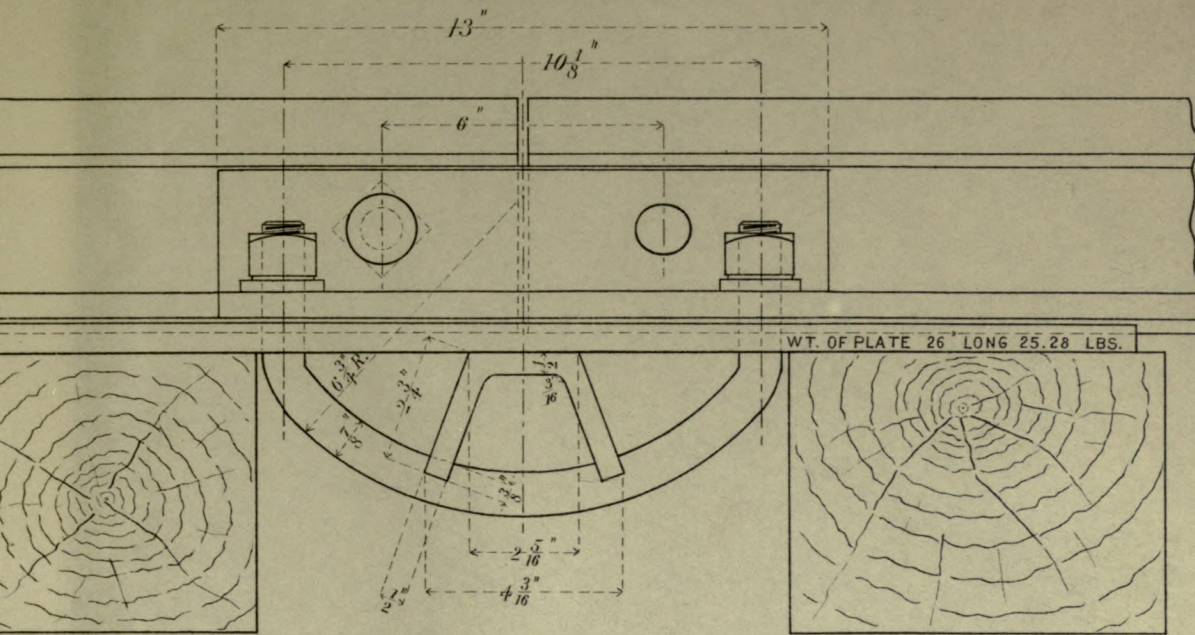
TRUSS JOINT N° 2.



TRUSS JOINT NO. 5
CHICAGO.



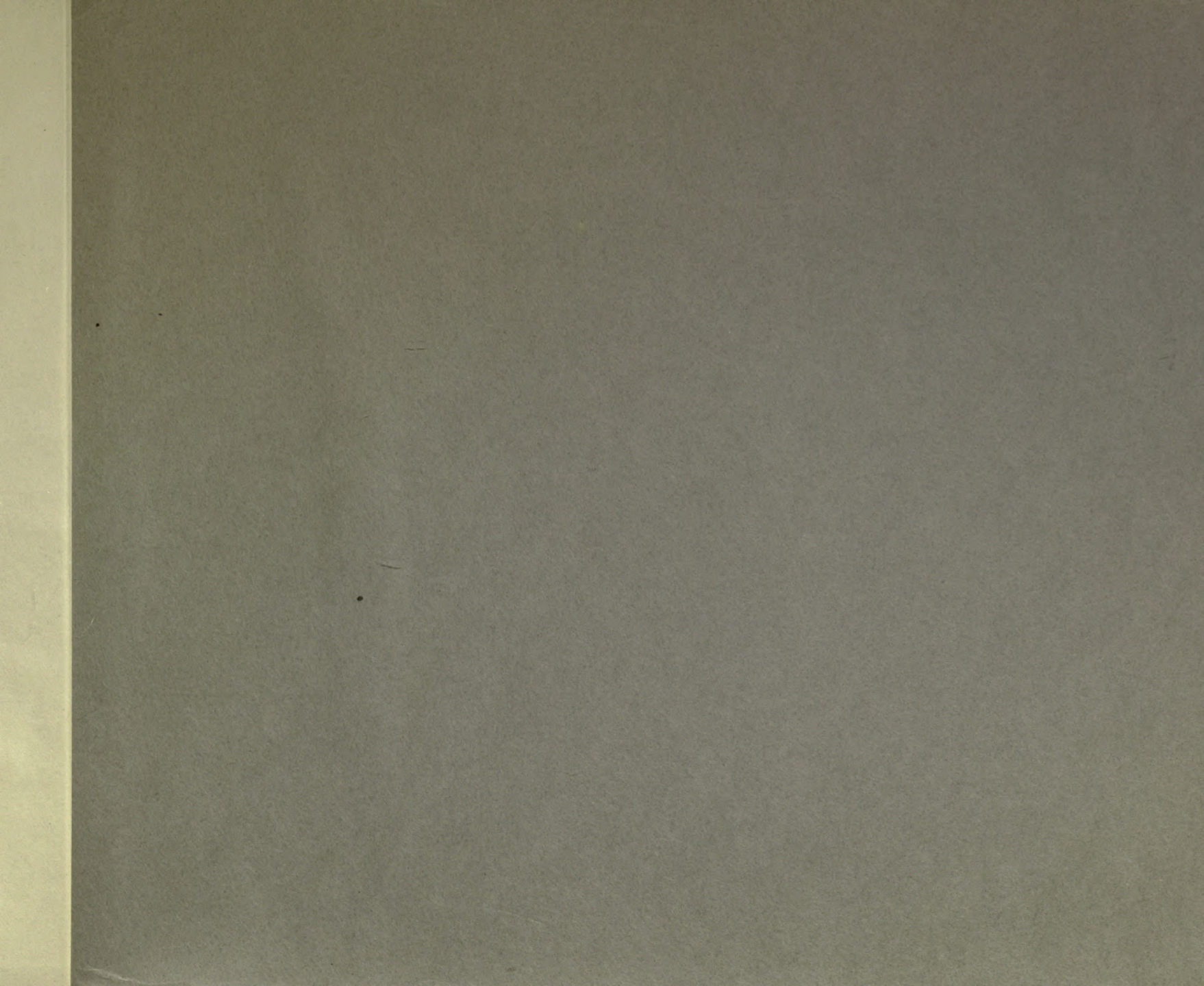
TRUSS JOINT NO. 5



ILLINOIS STEEL CO.

CHICAGO.

TRUSS JOINT N° 3.



14 DAY USE
RETURN TO DESK FROM WHICH BORROWED
LOAN DEPT.

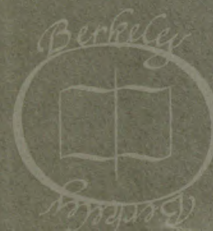
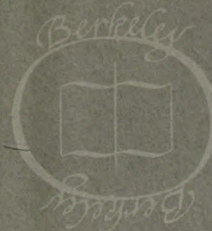
This book is due on the last date stamped below,
or on the date to which renewed. Renewals only:
Tel. No. 642-3405
Renewals may be made 4 days prior to date due.
Renewed books are subject to immediate recall.

APR 29 1971 8 6
REC'D LD APR 24 71 -4 PM 36

LD21A-50m-2,'71
(P2001s10)476-A-32

General Library
University of California
Berkeley

YE 11501



295 D 597



UC-NRLF

YE 11501