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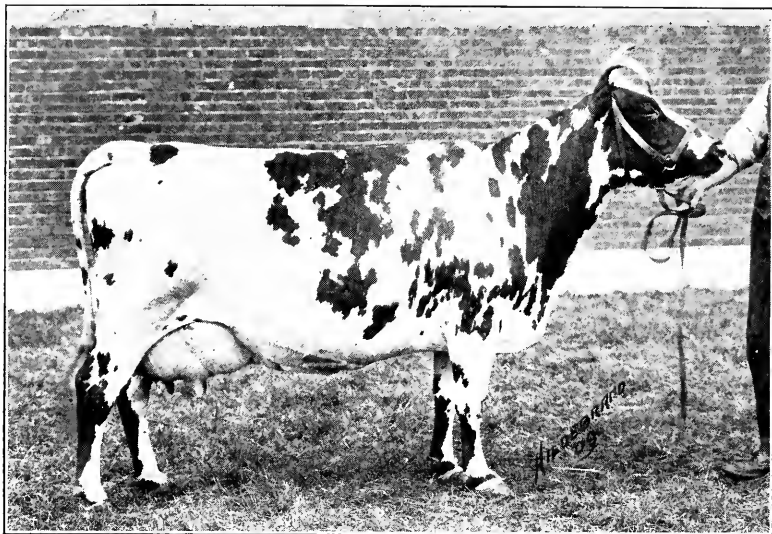
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HOME DAIRY TEST, 1908-9.

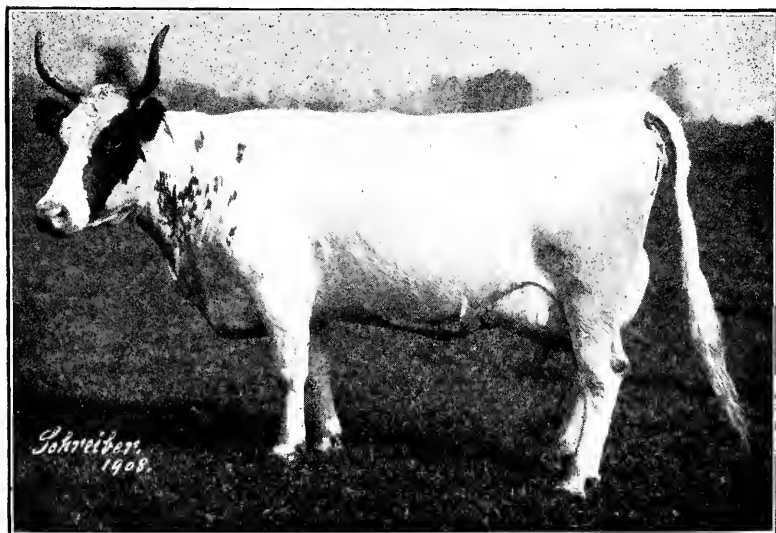


FRENCH PRIZE CUP.

Awarded to John R. Valentine, Bryn Mawr, Pa.



MINNIE OF AYRLYN, 18294.
Grand Champion, Tennessee State Fair, 1909.



20922, MAY MITCHELL, A. R. 156.
Mature Record, 11,708 lbs. Milk, 536 lbs. Butter.

YEAR BOOK
OF THE
AYRSHIRE BREEDERS

1910

CONTAINING A HISTORY OF THE BREED
OFFICIAL MILK AND BUTTER RECORDS AND
CUTS OF TYPICAL AYRSHIRE COWS THAT
HAVE BECOME NOTED, EITHER IN OFFICIAL
TESTS OR IN THE SHOW RING.



636

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Ay7a, 1910.

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JUN 3 1942

RECORD OF FIVE AYRSHIRE COWS GIVING
THE HIGHEST OFFICIAL RECORD IN THE
ADVANCED REGISTRY.

	lbs. milk.	lbs. fat.	lbs. butter.
Rena Ross	15,072	643.71	751
Bessie of Rosemont	14,102	578.57	675
Auchenbrañ White Beauty 2d	13,789	564.39	658
Fern Ayer	13,601	519.64	606
Auchenbrack Sweet Pea 2d,	13,097	532.87	622

TOTAL AVERAGE OF ADVANCED REGISTRY.

	lbs. milk.	lbs. butter. in one year.
96 2-year-olds averaged	7,397	346½
45 3-year-olds averaged	8,568	395¼
35 4-year-olds averaged	9,710	445
115 mature cows averaged	10,234	462
291 cows and heifers averaged	8,974	412

HISTORY

OF THE

AYRSHIRE BREED OF CATTLE

BY

VALANCEY E. FULLER.

The origin of the Ayrshire breed is still somewhat a matter of conjecture. Many believe that its foundation was the wild white cattle of Wales, crossed by Dutch, Channel Isles or Short-Horn breeds.

We are frank in admitting that we shared this belief. Lately, however, a very valuable treatise has come under our notice in which such convincing proof is adduced that the Ayrshire breed had its origin from the Dutch cattle that we must revise our previous convictions.*

The paper we refer to was published last year in the "Report of Milk Records for the Season 1908, with Notes on the Origin and Early History of the Ayrshire Breed of Cattle," by Sir John Speir, and issued by the Ayrshire Cattle Milk Records Committee of Scotland.

*I find in the "Transactions of the Highland and Agricultural Society of Scotland, published in 1876, a prize essay on the History of Ayrshire Cattle by Thomas Farrell, in which he says: "The improvement in the Ayrshire breed of cattle dates from the year 1750, when it is stated on competent authority that the Earl of Marchmont had brought from his estates in Berwickshire a bull and several cows, which he had some time previously procured from the Bishop of Durham, of the Teeswater breed, then known by the name of the Dutch breed. These cattle were of a light brown color, spotted with white." C. M. W.

It is also generally believed that the purity of the breed did not extend further back than the first years of the nineteenth century. While that is true so far as the designation "Ayrshire" is concerned, Sir John Speir proved conclusively that it existed at least during the middle or toward the end of the seventeenth century under the names "Cunninghame," "Dunlop" and later "Ayrshire."

We take the liberty of quoting extensively from Sir John Speir's able paper, in fact we will abbreviate his arguments as to the origin of the breed.

In 1596 Leonard Marscal, who was chief farrier to King James, published a book called "The Government of Cattle," and in it he says: "Also for oxen to labour, the black oxe and redde oxe are best, and the browne or greezled oxe nexte; the white one is worst of all colours. * * * The browne colour mixt with white spots is good." The last sentence refers to cows.

From this it is evident that the red cows with white spots were early recognized as the best ones and were probably of Dutch origin.

Early in the seventeenth century Gervase Markham wrote as follows: "As touching the right breed of Kine through our nation, it generally affordeth very good ones, yet some countries do far exceed some other countries, such as Cheshire, Lancashire, Yorkshire, and Derbyshire for black kine; Gloucestershire, Somersetshire, and some part of Wiltshire for red kine; and Lincolnshire for pied kine." Sir John Speir, commenting on the writing of Marscal and Markham, says: "Pied cattle, sometimes spelled 'pyed,' are those of brown-and-white, the white being in large blotches and each color quite distinct;" and again, "The only pure breed of cattle in Britain which are so colored at the present day are the Ayrshires; and

the fact that both Leonard Marscal and Gervase Markham specially referred to them at this early date has a particular bearing on the origin of the Ayrshire."

It is generally conceded, in fact, it is beyond doubt, that Dutch cattle were introduced into England and Scotland; it is also proved that the "flecked" or "pyed" red-and-white breed that was found in the Humber or Holderness district from 1572 to 1786 were the descendants of cattle imported from Holland.

In the "Whole Art of Husbandry," published by John Mortimer in the early part of the eighteenth century, he says: "The best sort of cows for the Pail only that they are tender and need very good keeping, are the long-legged Short-Horn cow of the Dutch breed which is to be had in some places of Lincolnshire, but mostly in Kent."

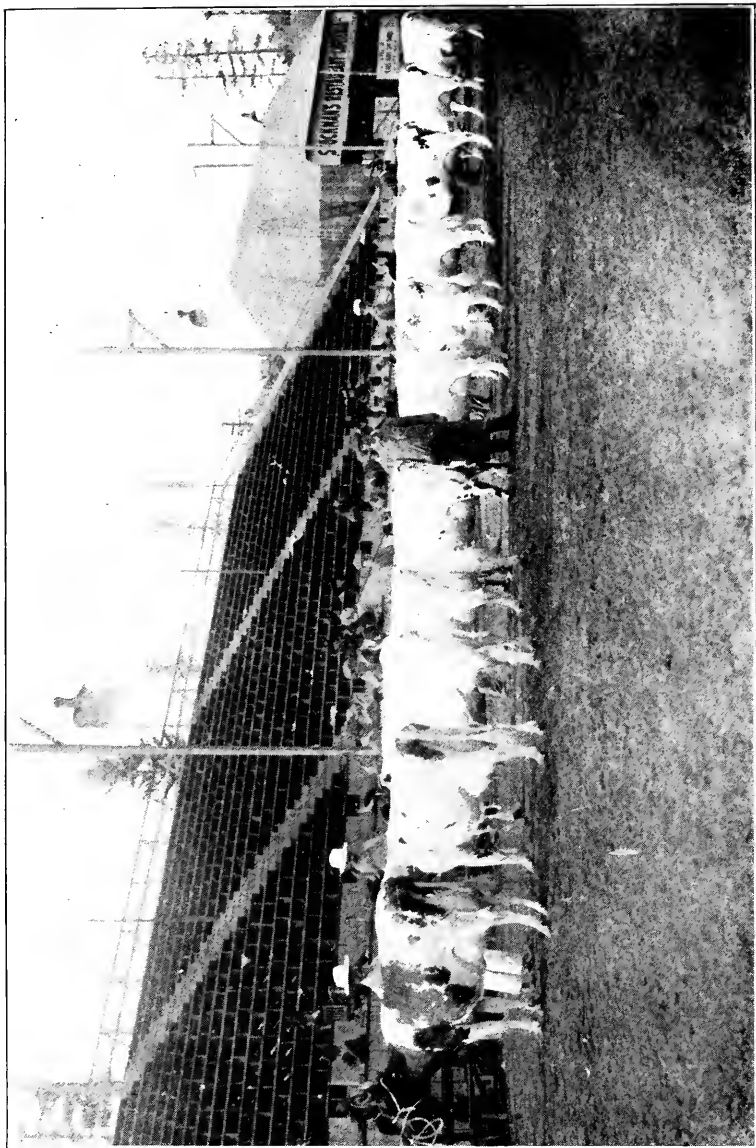
In 1756, T. Hale, in his book, "A Compleat Body of Husbandry," says: "Yorkshire oxen are in general black all over, and they are very large, and form a valuable kind in every respect. There are none that exceed them in labor and few feed like them. * * * The oxen of Lincolnshire are in general red and white, they are very bulky and equal to any in value. The oxen of Somersetshire and some of the adjoining counties are naturally red. They are also a very fine large and valuable breed. * * * The reader is not to suppose, from what is here said, that all the oxen of Yorkshire are black; all those of Gloucestershire and Somersetshire red; or all the Lincolnshire oxen pyed. These are the genuine and proper breed of each of these several counties, but the graziers have mixed them more or less in each county." Again, he says: "The fine Dutch breed have long legs, short horns and a full body. They are to be had in Kent and Sussex and some other places where they are still care-

fully kept up without mixture in colour, and where they will yield two gallons at a milking, but in order to do this they require great attendance and the best of food."

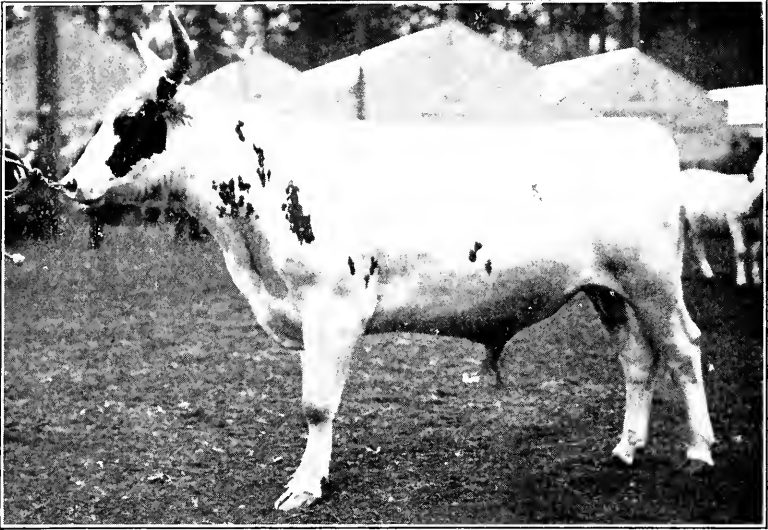
Other writers, about that time, referring to what was known in Yorkshire as the "Holderness" breed, state that they are "really the Dutch sort."

Youatt, in his "Complete Grazier," published in 1764, says: "The short-horned cattle, under which denominations are included the Holderness and Teeswater breeds, have been supposed to have derived their origin from a cross with some large bulls that were imported by Sir William St. Quintin nearly a century ago from Holland into Yorkshire, and in the east and north ridings, in which county the two latter breeds have been long established and deservedly esteemed * * * and it is from some of that stock, so maintained, that the present improved short-horn cattle sometimes known as the Durham breed, is supposed by some to have been descended."

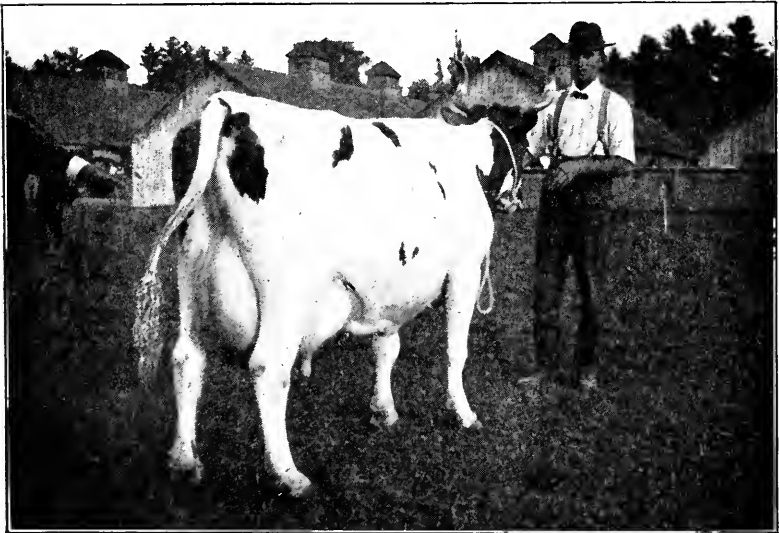
George Culley published his "Observations on Live Stock," in 1786, and referring to this breed says: "There are many reasons for thinking that this breed has been imported from the continent, first, because they are still in many places called the Dutch breed; secondly, because we find few of these cattle anywhere in this island except along these coasts facing those parts of the continent where the same kind of cattle are still bred, and reaching from the southern extremity of Lincolnshire to the borders of Scotland. * * * But, thirdly, I remember a gentleman of the county of Durham (Mr. Michael Dobinson) who went in the early part of his life to Holland to buy bulls; those he bought were of much service in improving the breed, and this Mr. Dobinson and his neighbors, even in my day, were noted for having



AGED COW CLASS AT SEATTLE, 1909.



NETHERHALL DOUGLAS SWELL, 11983.
Grand Champion at Seattle, 1909.



NELLIE BURNS OF BURNSIDE, 16511.
Champion Show Cow at Many Exhibitions.

the best breed of short-horned cattle, and sold their bulls and heifers for great prices."

This was about the year 1700.

WHERE "AYRSHIRES" ORIGINATED.

Dunlop, in the district of Cunninghame of North Ayrshire, it is generally conceded, is the place where the Ayrshire breed of cattle first attracted attention. It is significant that Cunninghame derives its name from Cunneag (a milk pail or churn) and Hame (the home of), the home of the milk pail or churn. It is very fitting that so grand a dairy cow should have found its home in such a great dairy district.

The Ayrshire breed was first known as the "Cunninghame," then the "Dunlop" breed. The latter was used until about 1790 or 1800. This name continued to be used while the distribution was confined to that locality. In confirmation of this we quote from the report of Col. Fullarton, member of Parliament for the district of Cunningham, made to the Board of Agriculture in 1793, in which he says: "In Cuningham or the northern division of the county, a breed of cattle has for more than a century been established remarkable for the quantity and quality of their milk in proportion to their size. They have long been denominated the Dunlop breed from the ancient family of that name, or the parish where the breed was first brought to perfection, and where there still continues a greater attention to milk cows and dairies than in any other part of Scotland." There is no doubt that the Cunningham and the Dunlop breeds are one and the same, and what was known as the Dunlop breed was later known as the Ayrshire; so that, according to Col. Fullarton, the Ayrshire breed of to-day must date back to 1675 or 1700.

By the year 1810-15 the breed had become distributed over a much wider area, not only in Ayrshire but in the counties of the southwest of England, and was then called the "Ayrshire" breed.

Sir John Spier says: "It is almost a certainty that between 1650 and 1750 what were known then as Dutch, Teeswater, Durham, Holderness, and Lincoln cattle, were one and the same breed, and, although as unlike each other at the present time as they can possibly be, the Short Horn and the Ayrshire have been derived from the same source." This probably accounts for the belief so general that the Ayrshire has a cross of the Short Horn, instead of both having the same origin as according to Spier; and it may account for the wonderfully strong, straight backs of each breed.

It is interesting to know something of the district of Cuninghame where the breed originated, and we quote from Timothy Pont's "Topographical Account of the District of Cuninghame," written about 1600, in which he says: "The 2nd. degree and parte of this countrey, being a grate deall lower than the former (that is the district between Largs, Dalry and Kilbirnie), is much more fertile in corn and store, being of a deepe, fatt, clayeisch soyle, much enriched by the industrious inhabitants. lyming of their ground, quherby the pastures heir, since this experiment ves practised, is become much more luxuriant than befor; quence it is that this pairt of the countrey yeilds a grate deall of excellent butter, as all the countrey besyde, but especially the parishes of Steuartoune and Dunlopp. The butter of this countrey in effecte serves a grate pairt of the Kingdome, one aker of ground heir yielding more butter than three akers of ground in any of the next adjacent countreyes." The well-known coup-

let given below is supposed to have been written about the time of Pont :

Kyle for a man,
Carrick for a coo,
Cunningham for butter and cheese,
And Galloway for woo'.

The first mention of Ayrshires as a distinct breed was made by Aiton in the "Farmers' Magazine," in 1811, where he says that Fulton of Beith was the first to introduce Ayrshires into that part of the county in 1790.

In "The Transactions of The Highland Society," on the "Agriculture of South Ayrshire," by Rev. William Donaldson, of Ballantrae, the following appears: "Scarcely any other kind of horned cattle is to be seen than the well-known Cunningham breed of milch cows." But in the following year the same gentleman refers to them as "the true Ayrshire breed of milk cattle."

One of the first men to adopt Ayrshires in large numbers for the practical purposes of a large dairy was Mr. William Harley, a Glasgow merchant, who carried on a large dairy in that city in 1800. This was known as the Willowbank Dairy, and he had accommodation for 300 cows. It was opened in 1810 and by 1814 he had 260 head of Ayrshires. Thus early were the merits of the Ayrshire recognized. From all accounts, Mr. Harley was a very progressive man who introduced many novel ideas as to light and ventilation of his stables. So widespread did the knowledge and fame of his dairy become that it was visited by crowned heads of European countries and many notables.

The first "show" that was ever held in Scotland was in 1786, by the Highland Society, but no class was made for Ayrshires until 1814. This was repeated in 1816.

In 1835, the Highland Show, which is migratory, was held for the first and only time in Ayr. Naturally there was a large entry of Ayrshires. In the aged bull class there were sixteen entries. A condition attached to the prizes for bulls at Ayr was that if twenty pounds sterling was subscribed, they had to travel the district and serve cows within a radius of thirty miles.

Col. Fullarton thus describes the Ayrshire in 1793: "The breed is short in the leg, finely shaped in the head and neck, with small horns, not wide, but tapering to the point. They are neither so thin coated as the Dutch, nor so thick and roughhided as the Lancashire cattle. They are deep in the body, but not so long nor so full and ample in the carcase and hind quarters, as some other kinds. * * * The farmers reckon that a cow yielding twenty quarts of milk per day during the summer season will produce cheese and butter worth about £6 per annum.*"

*Aiton claims that the Ayrshire of Scotland at his time would give an average of 600 gallons of milk, and I find in an old volume of Scotch history the following tables, illustrating the three methods of disposing of milk. C. M. W.

SELLING THE MILK.

600 gallons, at 10d per gallon.....	25	0	0
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MADE INTO BUTTER.

240 lbs. butter, at 1s 4d per lb.....	16	0	0
Estimated value of buttermilk.....	3	10	0
Total	19	10	0

MADE INTO CHEESE.

5¼ cwt. of cheese, at 70s per cwt.....	18	7	6
Estimated value of whey.....	2	0	0
Total	20	7	6

In 1806 the breed is thus described by Nasmyth in his report on Clydesdale: "The colour is mostly brown, with spots of white, the hair thick set, soft and sleek; the ears small and neat, the limbs short, small and clean boned, the chest rather round than deep at the heart, the shoulders, and more especially the loins, broad and square, the back from the shoulder to the descent of the rump quite straight, the tail long and small. Some aim at having cows without horns, but when there are horns they are small at the root, not long and pretty erect."

In 1829, George Robertson, factor for the Earl of Eglinton, in his "Progress of Improvements in Ayrshire, more particularly in Cunninghame," speaking of the Ayrshire breed, says: "This forms the very pride of Ayrshire husbandry, more especially in Cunninghame. * * * It seems to me to be about the best, if not the most valuable of the milch cow kind in Britain. * * * The form of the Cunninghame cow is very elegant, but must be seen to be well understood. So far as it may be explained in words it is thus: The neck is small, the head little, the muzzle taper, the horns short, curved and bending upwards, the countenance mild, the body straight along the back from shoulder to tail, the limbs slender, the udder shaped like a well turned punch bowl, and the paps widely set. The head, the neck and the udder are the chief distinguishing points. The colour is generally brown of many hues, from dark to yellow, intermixed and mottled in many a varied form and proportion with white. Some few have a black ground, without any change in character, but almost none are of one colour only. In a whole herd of forty or fifty, there will not two of them be alike in colour." So far as we have been able to find, this is the first mention of the upturned horns.

In 1877, the Ayrshire Cattle Herd Book was formed, and since that time a herd book of all entries for each year has been issued yearly.

It is claimed that the first importation of Ayrshires to this country was made by Mr. H. W. Hills, of Windsor, Conn., in 1822. Sir John Spier says that there was an importation made to Massachusetts in 1830, but this is not confirmed. In 1837 the Massachusetts Society for Promoting Agriculture imported one cow, "which is reported to have yielded sixteen pounds of butter a week for several weeks." Mr. John P. Cushing, near Boston, Mass., had a herd of imported Ayrshires in 1837; Mr. E. A. Brown, who introduced the breed into Ohio in 1848, had a herd in that State. The distribution of Ayrshires may be said to be world wide. They are found in large numbers in the United States, Canada, Norway, Sweden, Denmark, Russia, Australia, Finland, China, Japan and South Africa. The trade with Japan especially is extending rapidly, and the breed seems to adapt itself to the climate and conditions wherever found.

The associations or organizations to promote the interests of Ayrshires on this continent have been numerous. The first seems to have been started in 1863 in Massachusetts, and this organization published Vol. 1 of the Herd Record of the Association of Breeders of Thoroughbred Stock, Ayrshires. The second volume was published in 1868 and the third in 1871; but the title was changed to "American and Canadian Herd Record." The American "Ayrshire Breeders' Association," which exists to-day, was founded in 1875. It continued the work started in Massachusetts in 1863 by publishing Vol. 4 the year it was founded. The following year another volume was published, called Vol. 5 of the old series or Vol. 1 of the new, and came out under the designation, "Ayrshire Record."

In 1874 a herd book for cattle tracing to importation was issued as Vol. 1 of the North American Ayrshire Register.

The Ayrshire Importers and Breeders' Association of Canada was organized in 1870 and the Dominion Breeders' Association in 1889. The two were united in 1898. Besides these, there was the Montreal Ayrshire Herd Book.

The Ayrshire Breeders' Association was incorporated in the State of Vermont on November 23, 1886, by a special act of the Legislature. The founders were: J. D. W. French, James F. Converse, Alonzo Libby, F. H. Mason, Obadiah Brown, Henry E. Smith, C. M. Winslow, S. M. Wells, H. R. C. Watson, Jas. Scott, Geo. A. Fletcher, Chas. H. Hayes and John Stewart.

The Ayrshire Breeders' Association has now 390 members. Owing to the fact that the Ayrshires are much less numerous than the Guernseys, Holsteins or Jerseys, the receipts of the Association have been comparatively small, and it has been much hampered in the work it should do. Considering its meagre resources it has accomplished wonders in popularizing the breed.

Probably nothing has done more to impress the public with the dairy qualities of the Ayrshires as milk producers and butter makers than the Home Dairy Tests inaugurated in the year 1895, and the A. R. Records started in 1902-3.

In the Home Dairy Test, the Association offers prizes for cows or herds of Ayrshires making the best milk and butter records for one year. There are three prizes for individual cows and three for herds of five cows each. In addition to the cash prizes is a piece of silver plate obtained from the income of the "French Fund" of \$1,500, donated by Miss Cornelia A. French, of North

Andover, Mass., for the herd of five cows who shall give the largest record for a year in milk and butter, beginning October first.

All tests shall be under the supervision of the committee and the Experiment Station of the State where the herd being tested is located.

The Experiment Station will send an agent monthly to make a two days' test of the milk from each cow in the test, and to make a record of the same on blanks prepared for the purpose, together with the two days previous to the agent's test, as taken from the owner's private record.

The sampling of milk and sending the same to the Experiment Station will be done by the Experiment Station agent.

The result of each year's test shall be computed in the following manner: The weights of milk produced each month shall be multiplied by the per cent. of butter fat as shown by the official test for that month, and the sum of the results thus obtained shall be the year's record for butter fat.

The awards will be made from a uniform scale of points, figuring the total amount of milk from each cow at one point for each pound of milk given during the year, and seventeen and one-half points for each pound of butter fat reported by the Experiment Station agent for the year.

The expense incurred from employing the Experiment Station shall be equally divided between the contestant and the Association.

Testing for Advanced Registry may be made in connection with the Home Dairy Test with no extra expense, and it is advisable to carry along the two at the same time.

An approximate statement of the amount and kind of food is requested to be given, as well as the manner of stabling and caring for the cattle.

The Ayrshire Breeders' Association very wisely encourages yearly official tests by the establishment of the A. R., which includes both milk and butter.

The cows are divided into four classes, two-year-olds, three-year-olds, four-year-olds and full-age form, which includes all cows above five years.

All animals to be eligible to entry in the Advanced Registry must be recorded in the Ayrshire Record. A bull to be eligible must be a typical Ayrshire bull in general appearance, scale eighty points and have two daughters in the A. R. from different dams, but he can be entered without physical qualifications and without scaling provided he has four daughters from different dams in the A. R. list.

For entry in a year's record the rules provide that if a female's record begins the day she is two years old or before that time, she must give not less than 6,000 pounds of milk, and 214.3 pounds of butter fat in 365 consecutive days, and for each day she is over two years old, at the time of the beginning of the test, there shall be added 1.37 pounds of milk to the 6,000 pounds and .06 pounds of fat to the 214.3 pounds. A three-year-old must give 6,500 pounds of milk and 236 pounds of butter fat, and for each day she is over three years old at time of beginning of test, there shall be added 2.74 pounds of milk to the 6,500 pounds of milk, .12 pounds of butter fat to the 236 pounds, which additions shall be made in four-year-old and mature forms. When a cow is four years old she must give 7,500 pounds of milk and 279 pounds of butter fat. A cow in her mature form must give 8,500 pounds of milk and 322 pounds of butter fat.

Considering the fact that there are far fewer Ayrshires than any of the other three dairy breeds, the tests in the Advanced Register are remarkable in the number

of them, but especially in the large production, both in milk and butter. The total of those who have qualified for the Advanced Register up to May 1, 1910, was 289, of which 95 were in the two-year-old class, 45 in the three-year-old, 34 in the four-year-old, and 115 in the mature cow class. This we consider a wonderful showing for the number of Ayrshires in this country. A study, however, of the records is still more creditable to the breed. While no record, except possibly that of Rena Ross in the mature cow class, and Auchenbrain White Beauty, 2d, in the same class, could be considered phenomenal, yet there is a wonderful uniformity in production; and this is true of the Ayrshire breed as a whole. There are very few poor cows among them. In other words, they even up well as a breed, not only as milk makers, as cheese makers, but as butter makers.

Again analyzing the different classes according to age, and remembering that the Ayrshire cow matures more slowly than any of the other dairy breeds, the records of the 95 two-year-olds are truly extraordinary. Forty-one heifers in this class each yielded over 7,500 pounds of milk in a year; of these 25 gave over 8,000 pounds, and 7 over 9,000 pounds. Madonna Lass, 4th, who stands at the head of the list, gave 9,786 pounds of milk, 428.77 pounds of fat; Baby Douglas, who stands second, gave 9,652 pounds of milk, 377.3 pounds of fat, and Nethercraig Spicey Queen gave 9,267 pounds of milk and made 444.35 pounds of fat.

Of the 95 heifers in the two-year-old class, 40 yielded each 300 pounds of fat or over in a year, and 12 of these 40 gave 350 pounds of fat or more each in a year; of the 12, 6 yielded each 375 pounds or better, and one 433.35 pounds.

We have said that the Ayrshire matures more slowly than any of the dairy breeds; she continues to increase her yield until she is ten and sometimes twelve years old. She really does not reach full maturity until she is ten years old. Rena Ross, the champion cow of the breed, was ten years old when she made her test. No other breed continues to increase the yield, as a rule, after it has reached its eighth or ninth year, and they may be said to have reached maturity at that age. As might naturally be expected from these facts, the Ayrshire is a long-lived cow, and continues to be profitable for many years.

Continuing the analysis of the Advanced Registry tests, we find that of the 45 qualifying in the three-year form, 30 yielded 8,000 pounds or more each of milk in a year; of these 30, 19 yielded 8,500 pounds or better each, and of the 19, 5 yielded each 10,000 pounds or better, 11 gave 9,500 pounds or more each, and the champion of the breed in that class, Curfew Bell, gave 11,181 pounds of milk and 502.99 pounds of fat.

Thirty-four of these heifers gave 300 pounds or more each of fat in a year, 16 of them yielding 350 pounds or better each, 6 of them 400 pounds or better each, and one, Curfew Bell, 502.99 pounds.

Of the 34 four-year-olds that qualified, all but 3 yielded over 8,000 pounds of milk in the year. These 3 gave 7,981 pounds and 7,825 pounds respectively.

Twenty-four of them gave over 8,500 pounds each, 22 over 9,000 pounds each, 15 over 10,000 pounds each, 11 over 10,500 pounds each, 7 over 11,000 pounds each, 1, Cora T, 2d, gave 12,230 pounds of milk, and Bessie of Rosemont, the champion four-year-old of the breed, 14,102 pounds of milk, and 578.57 pounds of butter fat.

As might be expected, there is a natural increase in

the production of fat for this class over those in the three-year class.

Considering the fact of the slow maturing of the breed, we find when we take the mature cows, we reach more nearly their average production at maturity. Of the 115 who qualified, the lowest milk record is 8,500 pounds; 94 of them gave 9,000 pounds or more each in a year; 67 gave 9,500 pounds or more each; 48 gave 10,000 pounds or more each; 39 gave 10,500 pounds or better each; 27 gave 11,000 pounds or better each; 14 gave 12,000 pounds or more each; 4 gave over 13,000 pounds each, and one, Rena Ross, champion of the breed, 15,072 pounds of milk and 643.71 pounds of fat.

Taking all the classes together, there are 35 Ayrshires who have qualified in the Advanced Registry, each of whom has yielded over 11,000 pounds of milk in a year, and whose average is 12,132 pounds; 16 have yielded over 12,000 pounds in a year each, and their average is 12,876 pounds.

While the Ayrshire breeders have been noted for the exhibits they make of their cattle in the show ring, they have not often been in competition with other breeds in any dairy tests; but at the Hartford, Conn., Fair, in 1908, Croft Jane Dinah 19th entered in the dairy test with all breeds, and won out as the champion. She gave 55 pounds eight ounces of milk of five per cent. butter fat, equal to, as reported to us by Mr. Schanck, her owner, 3,237 pounds of butter.

TWO DAY BUTTER TEST AT THE IOWA STATE FAIR.

TEN COWS PARTICIPATING MAKE EXCELLENT SHOWING.

As the following table shows the ten cows in the Iowa State Fair cow demonstration produced in two days 718.44 pounds of milk which contained 24.84 pounds of butter-fat. Estimating the value of the skimmed milk at 20 cents per hundred and the butter-fat at 25 cents per pound, which valuations are even below market quotations, these ten cows returned \$7.67 $\frac{3}{4}$ for the feed and care which they received. This is not an exceptional yield, considering the character of the cows, which is due to the fact that always on fair grounds there is prevalent a great deal of excitement which causes the cows to do less efficient work than they would under home conditions. Further than this, the few days prior to the beginning of the test were exceedingly warm, and the cows suffered seriously from the heat to which they were subjected. In fact, Finlayston Cherry 6th became overheated and refused to eat or drink for two days prior to the beginning of the test. Even under this handicap, she was capable of winning the first place in the test, producing, as she did, in two days, 90.03 pounds of milk, in which were found 3.541 pounds of butter-fat, and the total valuation of her product reached the handsome sum of nearly \$1.06. The owner of this cow, Mr. J. W. Oakey, advised the writer that Finlayston Cherry 6th was milking over 70 pounds daily before she left her home in Pennsylvania.

The fact that the Ayrshires won both first and second in this contest speaks well for the breed, and it is greatly to the credit of Mr. Oakey that his progressive spirit led him to make a campaign of the western shows, and the

State of Iowa certainly appreciates the remarkable showing that he made both in the butter test and in the showing at the Iowa State Fair. Such a showing can be productive of only the best results, and already Mr. Oakey has been successful in selling several Ayrshire bulls to remain in Iowa. This is but a beginning, and, without doubt, the future will enumerate a great many more sales from his herd.

	Total Milk for two Days.	Value of Skim Milk at 20c per Cwt.	Total Butter- fat for two Days.	Value of Butter fat at 25c per Lb.	Total value of product for 2 Days.	Place- ment.
Finlayston Cherry 6th 21427, Barclay Farms, Bryn Mawr, Pa.	90.33	.1736	3.541	.8852	1.0588	1st
Barleith Snowdrop, Barclay Farms, Bryn Mawr, Pa.	90.66	.1746	3.343	.8357	1.0103	2d
Weitske Ormsby DeKol 64606, W. B. Barney & Co., Hampton, Ia., Hospital Pledge 105115, F. P. Knowles, Au- burn, Mass.	118.41	.2306	3.110	.7775	1.0081	3d
Emanon's Tootsie 218624, J. B. Smith, Beatrice, Neb.	79.84	.1546	2.556	.6390	.7936	4th
Mischief, W. W. Marsh, Waterloo, Iowa	63.43	.1224	2.223	.5557	.6781	5th
Duenna B 20304, A. W. & F. E. Fox, Wau- kesha, Wis.	52.03	.0995	2.303	.5757	.6752	6th
Nina of Rose Farm, W. W. Marsh, Water- loo, Iowa	68.62	.1329	2.144	.5360	.6689	7th
Fannie's Babe 201192, Smith Bros., Cameron, Ill.	56.15	.1082	2.020	.5050	.6132	8th
Marantha 20306, A. W. & F. E. Fox, Wau- kesha, Wis.	48.22	.0924	2.011	.5027	.5951	9th
Total yield of 10 cows for 2 days.....	50.75	.0983	1.583	.3957	.4940	10th
	718.44	\$1.38	5-6	24.84	\$6.21	\$7.67 $\frac{3}{4}$

HUGH G. VAN PELT,

Conductor of Test.

It was, however, in the Pan-American Model Dairy, extending over six months, and in which five cows of the following breeds competed, Ayrshire, Brown Swiss, Dutch Belted, French Canadian, Guernsey, Jersey, Holstein, Red Polled, Polled Jersey, Short-Horn, in which the Ayrshires demonstrated what good all-around cows they are for the purposes of the dairy. It is generally conceded that the Channel Island breeds are the most economical producers of butter fat, and that the Holstein is of milk. In that test the Guernseys made a pound of butter at a cost of \$0.0927 in feed; Jerseys, \$0.0948; Ayrshires, \$0.0987; Holsteins, \$0.1097, and Short-Horns, \$0.1213, showing that next to the Channel Island breeds, especially bred for economical butter production, the Ayrshire was a very close second. When it came to the production of milk, the Holsteins produced 100 pounds of milk at \$0.421; Ayrshires, at \$0.427; Guernseys, at \$0.504; Short Horns, \$0.506.

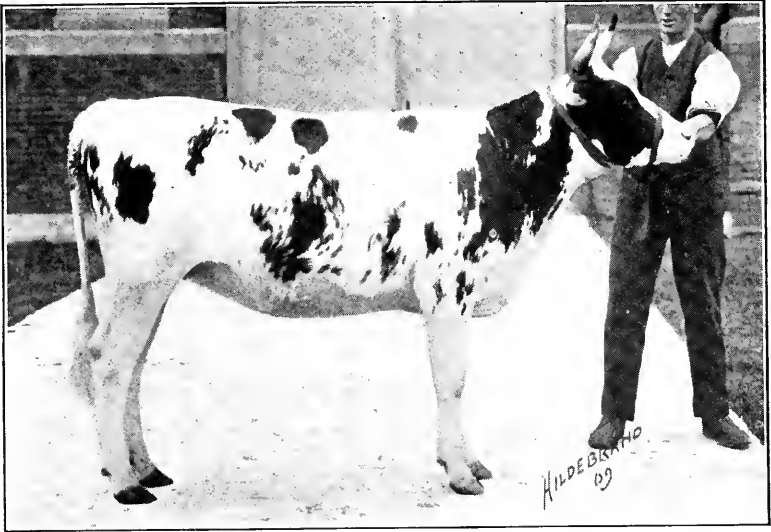
In the net profits on total solids the breeds stood as follows: Holsteins, \$262.15; Ayrshires, \$235.87; Brown Swiss, \$207.51; Short-Horns, \$205.64; Guernseys, \$202.56; Red Polls, \$201.15; Jerseys, \$200.63; French Canadian, \$181.83; Polled Jerseys, \$145.18; Dutch Belted, \$132.60.

RESULT OF THE MODEL DAIRY TEST OF THE
BREEDS AT SEATTLE WORLD'S FAIR, 1909.

Breed.	Days in barn.	Average lbs. fat per day.	Average casein per day.	Fat test product.	Maintenance balance.		
Jersey	93	1.289	.870	4.15	\$42.79	\$29.89	\$12.90
Jersey	93	1.356	.826	4.62	44.68	29.87	14.81
Holstein	93	.961	.760	3.69	31.47	27.77	3.70
Holstein	93	.910	.752	3.34	30.09	32.16	2.07
Guernseys	87½	1.200	.719	5.63	37.66	28.18	9.48
Guernseys	87½	.934	.595	5.04	28.79	26.93	1.86
Ayrshires	72	1.875	1.175	4.02	50.36	28.65	21.71
Ayrshires	51	2.196	1.352	4.14	41.21	24.72	16.49

This work clearly demonstrates that for the production of total solids or cheese or the production of milk as market milk or for the production of butter, the Ayrshire is unquestionably an economic cow. Where a man is shipping milk part of the year and is making butter the remainder, or is shipping milk part of the year and making cheese, we question if any cow will be found as economic and profitable as the Ayrshire.

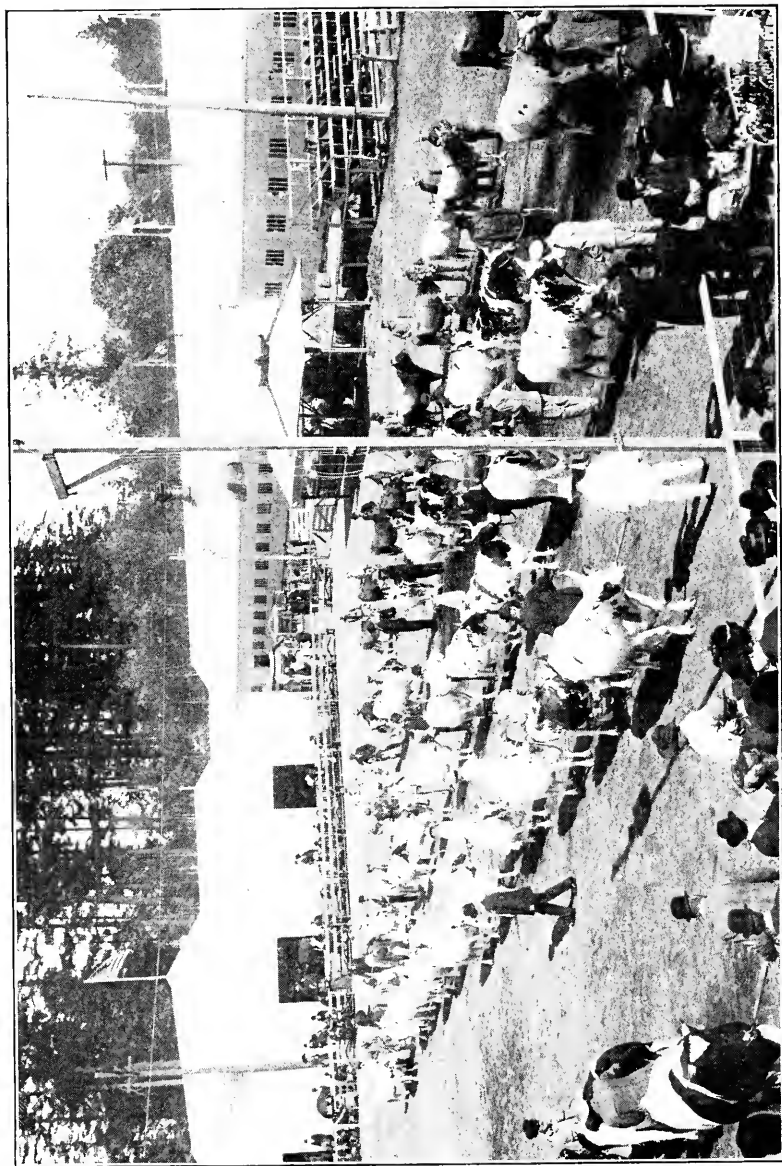
The individuality of the Ayrshire is very beautiful; some object to the upturned horns, but when one becomes used to them they are extremely picturesque. She has a strong head, a large jaw, an alert eye, a good long neck, strong sharp withers, a wonderful strong straight back to tail setting, unequaled by any other breed of dairy cows. Her loins are so broad and so strong that even when she is old she retains the straightness of back peculiar to this breed. She has a very open marked chine; her hips are broad, prominent, and her rump is usually absolutely straight. Her ribs are open, flat, wide apart, but have a slightly different spring from those of the other different breeds. She is wedge shaped,



LUCY OF HILLVIEW, 25740.
Third Prize, National Dairy Show, 1909.



19217, FINLAYSTON MAGGIE 3d, A. R. 105.
Four Year Old Record, 10,759 lbs. Milk, 513 lbs. Butter.
Fourth Prize at Seattle, 1909.



SWEEPSTAKES DAIRY BREEDS.

Ayrshires—First and Second—Alaska-Yukon-Pacific Exposition, Seattle, 1909.

usually has a good paunch, but her udder or "milk vessel," as it is called in Scotland, is the envy of the other breeds; a truly beautiful one, very long, held well up to the belly and extending along on it, broad and rounded in front and with teats usually perfectly placed. Her milk veins are very marked, large and tortuous, and, taking her altogether, she is a very beautiful cow.

The Ayrshire cow has improved wonderfully in the popular esteem during the last few years; prices have risen and we believe will continue to rise because those who have never owned her before will find that she is a very economic producer, is hardy, possessed of great constitution, will take a roughage and do well on it where the other breeds cannot; that she is a rustler; is long lived; is beautiful, and, above all, will put money into the pocket of her owner, and, as she breeds true to type, will, if properly coupled, reproduce her kind.

ADVANCED REGISTRY.

TWO-YEAR OLD CLASS.

23997	Madonna Lass 4th, A. R. Calved March, 1906. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Madonna Lass, 15986; sire, Nox'emall, 7312. 2 years and 213 days old at beginning of test.	Record, pounds of milk pounds of fat pounds of butter	9,786 428.77 500
21849	Baby Douglas, A. R. 71..... Calved December 30, 1903. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Baby Jewess, 14868; sire, Nox'emall, 7312. 2 years and 260 days old at beginning of test.	Record, pounds of milk pounds of fat pounds of butter	9,652 377.30 440

19748	Queen 2d of Barclay, A. R. 58.....	Record,	pounds of milk.....	9,486
	Calved March 18, 1904.		pounds of fat.....	364.28
	Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash.		pounds of butter.....	425
	Dam, Queen of Barclay, 15096; sire Geo. of Rosemont, 7670.			
	2 years and 136 days old at beginning of test.			
21695	Mabelle of Highland, A. R.....	Record,	pounds of milk.....	9,422
	Calved May 10, 1906.		pounds of fat.....	356.79
	Bred by J. H. McLean & Son, Eatontown, N. J.; owned by John R. Valentine, Bryn Mawr, Pa.		pounds of butter.....	416
	Dam, Eunie Melrose, 18967; sire, Henry of Barclay, 8969.			
	2 years and 204 days old at beginning of test.			
24673	Nether Craig Spicy Queen, A. R.....	Record,	pounds of milk.....	9,267
	Calved February, 1906.		pounds of fat.....	443.35
	Bred by John Cochrane, Nether Craig, Kil- marnock, Scotland; owned by George H. McFadden, Bryn Mawr, Pa.		pounds of butter.....	517
	Dam, Lovelace 3d of Nether Craig, "15012;" sire, Nether Craig Spicy Sam, "5927."			
	2 years and 338 days old at beginning of test.			

21337	Gazelle Melrose, A. R. 168..... Calved October 22, 1904. Bred by Thomas Turnbull, Jr., Casanova, Va.; owned by W. V. Probasco, Cream Ridge, N. J. Dam, Spotty T 2d, 12946; sire, Clover Leaf, 6710. 2 years and 219 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,194 349.08 415
23019	Molly of Bell Farm, A. R..... Calved August 14, 1906. Bred and owned by Charles J. Bell, Hollis, N. H. Dam, Lady Hollis, 15945; sire, Hollis Mar- tinot, 9045. 2 years and 229 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,038 327.98 383
17904	Bessie of Rosemont, A. R. 44..... Calved February 15, 1903. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Mayflower of Monkland, 15090; sire, Moonstone of Drumsuite, 8228. 2 years and 20 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,835 377.11 433

21259	Bell Ayer 2d, A. R. Calved February 16, 1906. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Bell Ayer, 20180; sire, Finlayston, 8882. 2 years and 251 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,819 402.64 470
21754	Felicia of Highland, A. R. 176..... Calved April 10, 1905. Bred by W. V. Probasco, Cream Ridge, N. J.; owned by John R. Valentine, Bryn Mawr, Pa. Dam, Felicia of Woodview, 17431; sire, Duke of Ayer, 6180. 2 years and 364 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,767 344.27 402
22472	Grace of Sand Hill, A. R. 59..... Calved September 5, 1904. Bred by Hiram Karr, Almond, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Viola of Sand Hill, 22470; sire, Earl's Choice of Spring Hill, 8289. 2 years and 138 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,698 338.57 395

21852	Douglas Cordelia, A. R. 79..... Calved October 16, 1904. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, White Cordelia, 12956; sire, Nox'emall, 7312. 2 years and 328 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,649 298.30 348
17892	Letta Lind of Radnor, A. R. 81..... Calved December 13, 1901. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Cherry of Bonshaw, 15582; sire, Prince of Barclay, 6711. 2 years and 337 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,602 372.85 435
25103	Ithan 4th, A. R..... Calved September 20, 1906. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Ithan, 14538; sire, Finlayston, 8882. 2 years and 152 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,563 330.81 386

17893	Clotilde of Rosemont, A. R. 70..... Calved February 13, 1902. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Flora 3d of Bonshaw, 15575; sire, Prince of Barclay, 6711. 2 years 255 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,548 322.30 376
20368	Beulah, M. A. R. 169..... Calved February 27, 1905. Bred by Ira W. Jones, Alfred, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Bertha M, 15262; sire, Coxie Hebron, 8484. 2 years and 226 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,516 357.54 417
18696	Snowflight of Radnor, A. R. 73..... Calved November 1, 1903. Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. Dam, Jessie of Mosshawk, 17025; sire, Geo. of Rosemont, 7670. 2 years and 264 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,505 349.30 406

23548	McAllister's Betty, A. R. Calved May 28, 1906. Bred by Alex. Hume & Co., Menie, Ont.; owned by Percival Roberts, Jr., Narberth, Pennsylvania. Dam, Betty Bell, 20929; sire, Lord McAllister of Glenora, 11009. 2 years and 73 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,492 356.29 416
20880	Mina 3d of Radnor, A. R. 163..... Calved September 13, 1905. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Mina of Radnor, 17010; sire Moonstone of Drumsuie, 8228. 2 years and 131 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,349 382.32 446
19756	White Lola, A. R. 75..... Calved September 3, 1904. Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. Dam, Lola of Rosemont, 17895; sire, Moon- stone of Drumsuie, 8228. 2 years and 281 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,282 295.71 345



21678, AUCHENBRAIN WHITE BEAUTY 2d, A. R. 207.
Mature Cow Record, 13,789 lbs. Milk, 658 lbs. Butter.



FIRST PRIZE PRODUCE OF AYRSHIRE COWS.
Wisconsin State Fair, 1907. This Shows the Mother and Three Daughters, All of One Type.



HOWIE'S MAJESTIC, 10000.
Grand Champion at Illinois State Fair, 1909. Second at National Dairy Show, 1907.

23323	Matie of Sand Hill, A. R. 164..... Calved October 11, 1905. Bred and owned by S. S. Karr & Sons, Almond, N. Y. Dam, Margurate, 16202; sire, Earl's Choice of Spring Hill, 8289. 2 years and 156 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,212 349.56 408
16700	Floe, A. R. 23..... Calved October 8, 1899. Bred and owned by W. V. Probasco, Cream Ridge, N. J. Dam, Lilly Ayer, 13994; sire, Duke of Ayer, 6180. 2 years and 186 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,201 345.43 403
19754	Bonnie 2d of Radnor, A. R. 41..... Calved August 13, 1904. bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. Dam, Bonnie of Radnor, 17012; sire, Moonstone of Drumsuie, 8228. 1 year and 352 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,184 345.40 403

18687	Francis of Barclay, A. R. 57..... Calved March 18, 1903. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Queen of Barclay, 15096; sire, Moon- stone of Drumsuie, 8228. 2 years and 128 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,047 345.43 403
23996	Maud Douglas, A. R..... Calved September, 1905. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, White Cordelia, 12956; sire, Nox'emall, 7312. 2 years and 334 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,011 278.20 325
21694	Eunie of Highland, A. R. 172..... Calved June 9, 1905. Bred by Thomas Turnbull, Jr., Casanova, Va.; owned by John R. Valentine, Bryn Mawr, Pa. Dam, Eunie Melrose, 18967; sire, Moonstone, 8419. 2 years and 288 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,988 349.64 408

21109 Crimson Rambler, A. R. 61..... Record, pounds of milk..... 7,988
 Calved March 28, 1904. pounds of fat..... 278.57
 Bred and owned by Geo. F. Stone, Littleton, Mass. pounds of butter..... 325

Dam, Crimsonia 2d, 13715; sire, Duke of Littleton, 8080.
 2 years and 146 days old at beginning of test.

23871 Chapelhill Bully, A. R. 162..... Record, pounds of milk..... 7,962
 Calved January, 1906. pounds of fat..... 299.13
 Bred by James Wallace Chapelhill, Kirkcudbright, Scotland; owned by J. W. Clise, Redmond, Wash. pounds of butter..... 349

Dam, Bully of Auchenbrain, "11572;" sire, Auchenbrain William, "5156."
 2 years and 122 days old at beginning of test.

20613 Queen of Seattle, A. R. 65..... Record, pounds of milk..... 7,896
 Calved February 1, 1905. pounds of fat..... 318
 Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. pounds of butter..... 371

Dam, Queen of Barclay, 15096; sire, Moonstone of Drumsute, 8228.
 2 years and 194 days old at beginning of test.

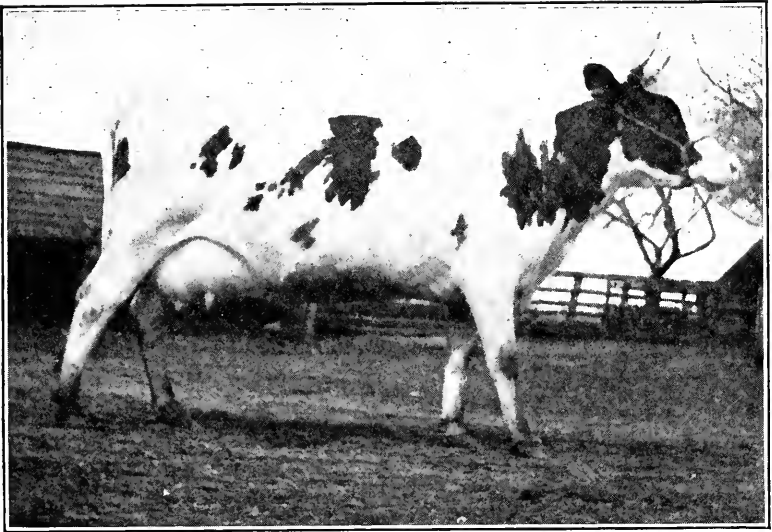
20366	Isabella of Sand Hill, A. R. 50..... Calved October 1, 1904. Bred and owned by S. S. Karr & Sons, Al- mond, N. Y. Dam, Irene Park, 18362; sire, Earl's Choice of Spring Hill, 8289. 2 years and 85 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,887 319.71 373
24883	Douglas Daisy Queen, A. R. 161..... Calved October 5, 1905. Bred and owned by L. A. Reymann, Wheel- ing, W. Va. Dam, Douglas Daisy, 20325; sire, Nox'emall, 7312. 2 years and 44 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,886 280.70 327
20902	Dorinda, A. R. 167..... Calved September 30, 1905. Bred and owned by Henry Dorrance, Plain- field, Conn. Dam, Doris Y, 16351; sire, Judge Mitchell, 7502. 2 years and 207 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,855 302.77 353

21250	Princess of Highland 2d, A. R. 77..... Calved August 18, 1904. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Princess of Highland, 18245; sire, Colonel Ayer, 7168. 2 years and 288 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,795 321.43 356
23551	Lady Quality, A. R..... Calved August 23, 1906. Bred by W. B. Horton, Mendon, N. Y.; owned by Percival Roberts, Jr., Narberth, Pa. Dam, Sterling Quality of Dentonia, 18059; sire, Mornington Cannon, 9250. 2 years and 116 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,792 319.11 372
20511	Rose Eaton, A. R. 80..... Calved November 5, 1902. Bred by William Stanford Stevens, St. Albans, Vt.; owned by C. M. Winslow, Brandon, Vt. Dam, Rose Elwin, 12080; sire, Castleton, 6886. 2 years and 329 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,783 277.71 324

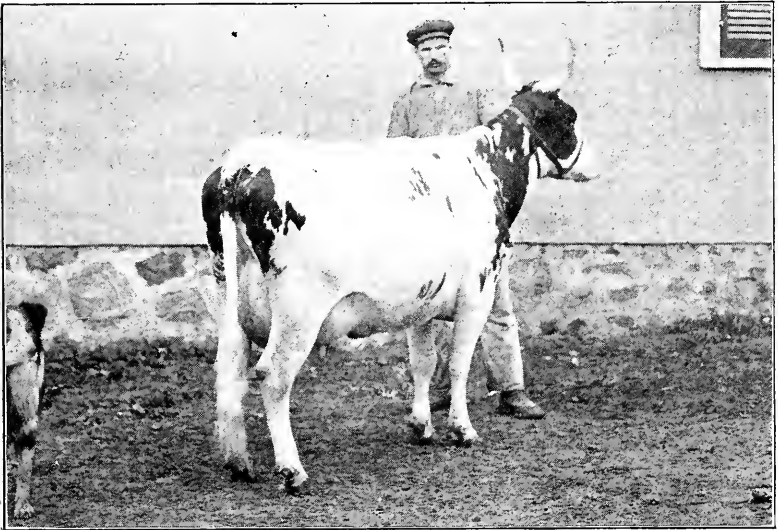
18690	Lilac of Radnor, A. R. 43..... Calved July 29, 1903. Bred and owned by Geo. H. McFadden, Bryn Mawr, Pa. Dam, Fancy of Auchenbrain, 16834; sire, Geo. of Rosemont, 7670. 1 year and 360 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,778 300.90 351
17430	Petrina of Woodview, A. R. 22..... Calved August 2, 1900. Bred and owned by W. V. Probasco, Cream Ridge, N. J. Dam, Katy Did, 15242; sire, Duke of Ayer, 6180. 2 years and 229 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,766 346 402
22473	Ruth of Sand Hill, A. R. 69..... Calved October 1, 1904. Bred by Hiram Karr, Almond, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Ivan, 15240; sire, Earl's Choice of Spring Hill, 8289. 2 years and 242 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,699 309.43 361

23322	Dora of Sand Hill, A. R. 166..... Calved September 4, 1905. Bred and owned by S. S. Karr & Sons, Almond, N. Y. Dam, Dorothy, 18361; sire, Earl's Choice of Spring Hill, 8289. 2 years and 184 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,622 312.89 365
17900	Buttercup of Rosemont, A. R. 55..... Calved July 1, 1902. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Lady Stair of Holehouse, 15574; sire, Dewey Auchenbrain, 6708. 2 years and 122 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,584 305.14 356
15364	Lizzie Muriel, A. R. 20..... Calved July, 1899. Bred by Robert McCrea, Champlain, N. Y.; owned by C. M. Winslow, Brandon, Vt. Dam, Muriel, 8650; sire, Retlaw, 5356. 2 years and 281 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,583 287.14 335

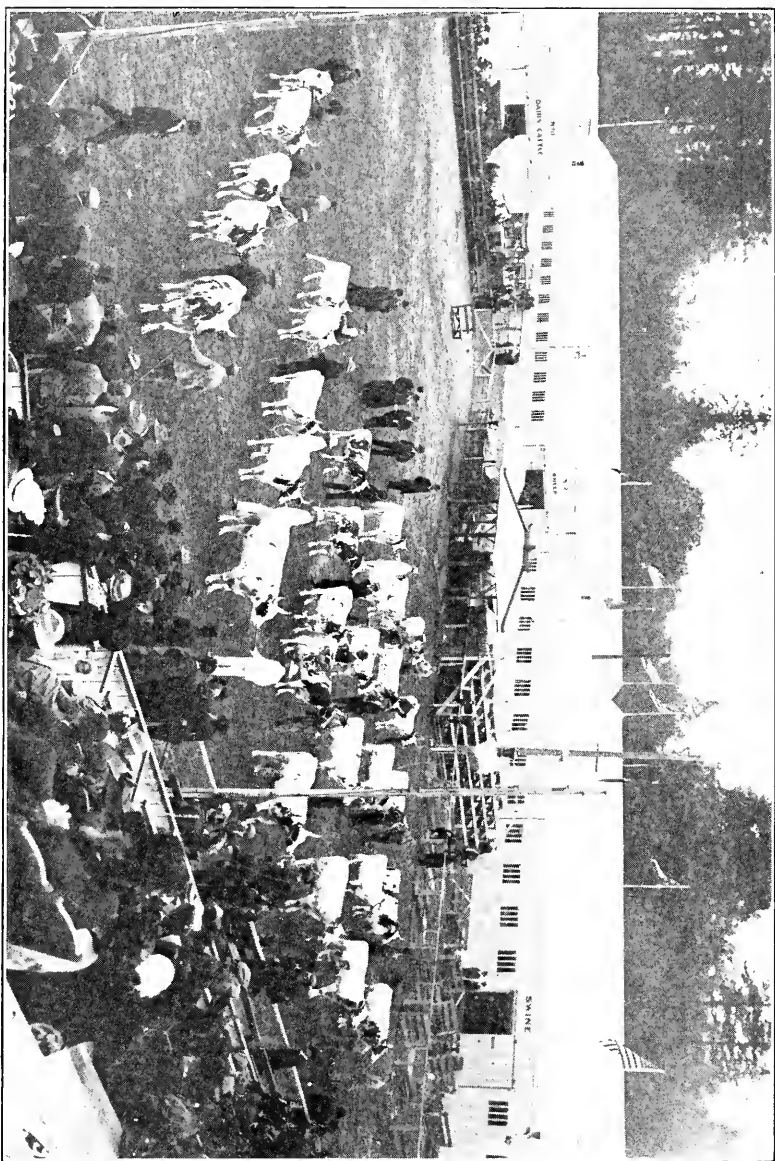
19615	Myrtle K., A. R. 49..... Calved July 15, 1903. Bred and owned by Walter D. Turner, More- town, Vt. Dam, Dollie Kilbowie, 16779; sire, Ashmont, 7542. 2 years and 63 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,497 251.14 293
13688	Rose Dolman, A. R. 21..... Calved September 19, 1898. Bred and owned by C. M. Winslow, Brandon, Vt. Dam, Rose Sultana, 12072; sire, Covington, 5652. 2 years and 235 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,409 268.30 313
21763	Jerusha of Bell Farm, A. R. 173..... Calved June 21, 1905. Bred and owned by Charles J. Bell, Hollis, N. H. Dam, Lady Bel, 15946; sire, Joker, 7135. 2 years and 325 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,380 280.33 327



21337, GAZELLE MELROSE, A. R.
Two Year Old Record, 9,194 lbs. Milk, 416 lbs. Butter.



CROFTJANE DINAH 19TH, 19520.
Champion Show Cow at Many Exhibitions.



AYRSHIRES AT SEATTLE.
Bull and Four of His Get.

21246 Kitty K 3d, A. R. 68..... Record, pounds of milk..... 7,364
 Calved February 2, 1904..... 329.14
 Bred and owned by John R. Valentine, Bryn Mawr, Pa. 384

Dam, Kitty K, 12933; sire, Colonel Ayer, 7168.
 2 years and 242 days old at beginning of test.

20365 Bessie of Sand Hill, A. R. 52..... Record, pounds of milk..... 7,307
 Calved September 11, 1904..... 322.30
 Bred and owned by S. S. Karr & Sons, Almond, N. Y. 376

Dam, Miss Betty of Spring Hill, 17997; sire, Prince of Sand Hill, 8479.
 2 years and 105 days old at beginning of test.

22134 Lilac 3d of Radnor, A. R..... Record, pounds of milk..... 7,220
 Calved July 30, 1906..... 337.37
 Bred and owned by George H. McFadden, Bryn Mawr, Pa. 394
 Dam, Lilac of Radnor, 18690; sire, Hugh of Barclay, 8970.

2 years and 20 days old at beginning of test.

20901.	Hilda Fryer, A. R. 171..... Calved August 15, 1905. Bred and owned by Henry Dorrance, Plainfield, Conn. Dam, Molly Fryer, 16051; sire, Judge Mitchell, 7502. 2 years and 274 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,202 272.52 318
18262	Myrtle Kilbowie, A. R. 60..... Calved July 28, 1903. Bred by Oliver Smith & Son, Chateaugay, N. Y.; owned by C. M. Winslow, Brandon, Vt. Dam, Myrtle Beppo, 15396; sire, Essex Boy, 6904. 2 years and 145 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,199 281.16 328
18256	Sibyl Corslet, A. R. 47..... Calved October 19, 1902. Bred and owned by C. M. Winslow, Brandon, Vt. Dam, Alfreda Corslet, 15018; sire, Carbello, 6634. 2 years and 34 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,170 271.71 317

17432	Megsy Tipperlin, A. R. 76..... Calved March 19, 1901. Bred and owned by W. V. Probasco, Cream Ridge, N. J.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,117 270 315
15029	Rose Brodick, A. R. 26..... Calved October 30, 1899. Bred and owned by C. M. Winslow, Brandon, Vt.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,117 266.60 311
20180	Bell Ayer, A. R. 56..... Calved October 30, 1903. Bred and owned by John R. Valentine, Bryn Mawr, Pa.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,111 309.51 361
	Dam, Lady Bell 3d, 17253; sire, Colonel Ayer, 7168. 2 years and 126 days old at beginning of test.		

20182	Starlass, A. R. 175..... Calved October 20, 1904. Bred by W. G. Tucker, Elm Valley, N. Y.; owned by John R. Valentine, Bryn Mawr, Pa. Dam, Ada Hebron, 12480; sire, Clarence's Star, 8261. 2 years and 329 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,095 268.08 365
22763	Crimson Maid, A. R. 160..... Calved August 15, 1905. Bred and owned by George F. Stone, Littleton, Mass. Dam, Lakeside Maid, 16157; sire, Crimson Boy, 9160. 2 years and 42 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,090 283.83 331
23018	Maria of Bell Farm, A. R..... Calved July 13, 1906. Bred and owned by Charles J. Bell, Hollis, N. H. Dam, Janebel, 19760; sire, Hollis Martinot, 9045. 2 years and 175 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,088 260.36 304

18249	Oshawa Lady 2d, A. R. 78..... Calved May 7, 1903. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Oshawa Lady, 16020; sire, Colonel Ayer, 7168. 2 years and 294 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,074 305.14 356
17431	Felicia of Woodview, A. R. 64..... Calved November 4, 1900. Bred and owned by W. V. Probasco, Cream Ridge, N. J. Dam, Pearl Clyde, 13991; sire, Duke of Ayer, 6180. 2 years and 169 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,048 279.43 326
21247	Rena Ayer, A. R. 72..... Calved March 2, 1904. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Rena Webb, 12479; sire, Colonel Ayer, 7168. 2 years and 263 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,929 306 357

20876	Spotted Lola, A. R. 165..... Calved August 5, 1905. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Lola of Rosemont, 17895; sire, Nether- hall Macdonald, 8860. 2 years and 173 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,924 289.22 337
24007	Daisy Jewess 4th, A. R..... Calved October, 1906. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Daisy Jewess, 13333; sire Nox'emall, 7312. 2 years and 151 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,923 244.85 286
18695	May Rose of Radnor, A. R. 39..... Calved October 24, 1903. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Lady Burnhouses, 15092; sire, Moon- stone of Drumsuie, 8228. 1 year and 297 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,898 288 336

22128	Francis 2d of Barclay, A. R..... Calved July 9, 1906. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Francis of Barclay, 18687; sire, Nether- hall Macdonald, 8860. 2 years and 185 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,819 269.54 314
24719	Mable of Sand Hill, A. R..... Calved December 8, 1906. Bred and owned by S. S. Karr & Son, Al- mond, N. Y. Dam, Midget of Sand Hill, 19487; sire, Earl's Choice of Spring Hill, 8289. 2 years and 11 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,765 274.66 320
15242	Katy Did, A. R. 19..... Calved September 23, 1898. Bred by W. G. Tucker, Elm Valley, N. Y.; owned by W. V. Probasco, Cream Ridge, N. J. Dam, Kitty K, 12933; sire, Oil Prince, 5892. 2 years and 356 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,760 280.30 327

19936 Ruby Russell 3d, A. R. 66..... Record, pounds of milk..... 6,760
 Calved June 9, 1904. 244.30
 Bred and owned by Henry Dorrance, Plain-
 field, Conn. pounds of fat..... 285
 Dam, Ruby Russell, 15564; sire, Judge
 Mitchell, 7502. pounds of butter.....
 2 years and 197 days old at beginning of test.

17505 Miss Kilbowie, A. R. 31..... Record, pounds of milk..... 6,751
 Calved March 26, 1901. 236
 Bred and owned by C. M. Winslow, Brandon,
 Vt. pounds of fat..... 275
 Dam, Miss Mary A, 11337; sire, Twister, 5651.
 2 years and 5 days old at beginning of test.

15036 Muriel Fox, A. R. 28..... Record, pounds of milk..... 6,685
 Calved July 19, 1900. 264
 Bred and owned by C. M. Winslow, Brandon,
 Vt. pounds of fat..... 308
 Dam, Muriel, 8650; sire, Reynard, 6038.
 2 years and 51 days old at beginning of test.

24005	Douglas Daisy 2d, A. R. Calved September, 1906. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Douglas Daisy, 20325; sire, Howie's Dairy King, 9855. 2 years and 61 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,661 261.03 305
24716	Cora T 6th, A. R. Calved September 3, 1906. Bred and owned by S. S. Karr & Sons, Al- mond, N. Y. Dam, Cora T, 13772; sire, Earl's Choice of Spring Hill, 8289. 2 years and 28 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,602 276.80 324
17453	Pearl Douglas, A. R. 54..... Calved April 7, 1901. Bred and owned by Howard Cook, Beloit, O. Dam, Little Douglas, 12769; sire, Beloit Ayer, 6775. 2 years and 116 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,598 271.71 317

20883	Mosshawk 2d of Hindsward, A. R. Calved January 21, 1906. Bred by George H. McFadden, Bryn Mawr, Pa.; owned by Percival Roberts, Jr., Nar- berth, Pa. Dam, Mosshawk of Hindsward, 15095; sire, Moonstone of Drumsuic, 8228. 2 years and 205 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,595 287.78 336
23542	Royal Lily, A. R..... Calved March 31, 1906. Bred by Alex. Hume & Co., Menie Ont.; owned by Percival Roberts, Jr., Narberth, Pa. Dam, White Lily of Menie, 20985; sire, Less- nessock Royal Star, 9608. 2 years and 197 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,568 291.15 340
21254	Colonel's Daughter, A. R. 174..... Calved October 9, 1904. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Carrie 3d, 16532; sire, Colonel Ayer, 7168. 2 years and 327 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,565 298.36 348

23545	Speckled Beauty, A. R. Calved May 20, 1906. Bred by Alex. Hume & Co., Menie, Ont.; owned by Percival Roberts, Jr., Narberth, Pa. Dam, Speckled Lady of Menie, 20984; sire, Lessnessock Royal Star, 9608. 2 years and 133 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,564 261.04 305
17511	Rose Claymore, A. R. 53..... Calved December 30, 1901. Bred and owned by C. M. Winslow, Brandon, Vt. Dam, Rose Clockston, 15026; sire, Rothage, 6044. 2 years and 110 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,542 269.14 314
23321	Cora T 5th, A. R. 170..... Calved August 6, 1905. Bred and owned by S. S. Karr & Sons, Al- mond, N. Y. Dam, Cora T, 13772; sire, Earl's Choice of Spring Hill, 8289. 2 years and 237 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,530 271.79 317

20614	Mayflower of Seattle, A. R. 62..... Calved March 21, 1905. Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. Dam, Mayflower of Monkland, 15090; sire, Moonstone of Drumsuie, 8228. 2 years and 150 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,496 250.30 292
17094	Dolly Fryer 2d, A. R. 67..... Calved May 20, 1901. Bred and owned by Henry Dorrance, Plain- field, Conn. Dam, Dolly Fryer, 13012; sire, Benedict Arnold, 7240. 2 years and 228 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,485 256.30 299
22132	Maggie Finlayston, A. R..... Calved July 30, 1906. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Finlayston Maggie 3d, 19217; sire, Moonstone of Drumsuie, 8228. 2 years and 216 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,427 274.04 320

19753	Ruth 2d of Barclay, A. R. 46..... Calved June 14, 1904. Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. Dam, Ruth of Barclay, 17023; sire, Geo. of Rosemont, 7670. 2 years and 26 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter	6,338 291.43 340
16672	Ruby Douglas, A. R. 29..... Calved April 16, 1900. Bred and owned by Howard Cook, Beloit, Ohio. Dam, Little Douglas, 12769; sire, Leroy Jo Jo, 6013. 2 years and 45 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,321 252 294
20179	Oshawa Lass of Highland 2d, A. R. 74..... Calved May 23, 1903. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Oshawa Lass of Highland, 16534; sire, Colonel Ayer, 7168. 2 years and 278 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,281 263.14 307

18255 Rose Aileen, A. R. 51..... Record, pounds of milk..... 6,256
 Calved September 13, 1902. pounds of fat..... 212.60
 Bred and owned by C. M. Winslow, Brandon, pounds of butter..... 248
 Vt.

Dam, Rose Erica, 12775; sire, Carbello, 6634.
 2 years and 86 days old at beginning of test.

15026 Rose Clockston, A. R. 27..... Record, pounds of milk..... 6,135
 Calved October 29, 1899. pounds of fat..... 209.14
 Bred and owned by C. M. Winslow, Brandon, pounds of butter..... 244
 Vt.

Dam, Rose Cleon, 11143; sire, Reynard, 6038.
 2 years and 62 days old at beginning of test.

15038 Rose Foxglove, A. R. 25..... Record, pounds of milk..... 6,128
 Calved July 21, 1900. pounds of fat..... 242.71
 Bred and owned by C. M. Winslow, Brandon, pounds of butter..... 283
 Vt.

Dam, Rose Deruth, 10346; sire, Reynard, 6038.
 2 years and 126 days old at beginning of test.

6,122
258.30
300

Record, pounds of milk.....
pounds of fat.....
pounds of butter.....

15033 Lulu Avondale, A. R. 24.....
Calved March 5, 1900.
Bred and owned by C. M. Winslow, Brandon,
Vt.

Dam, Acellista, 12094; sire, Reynard, 6038.
2 years and 151 days old at beginning of test.

6,086
256.30
299

Record, pounds of milk.....
pounds of fat.....
pounds of butter.....

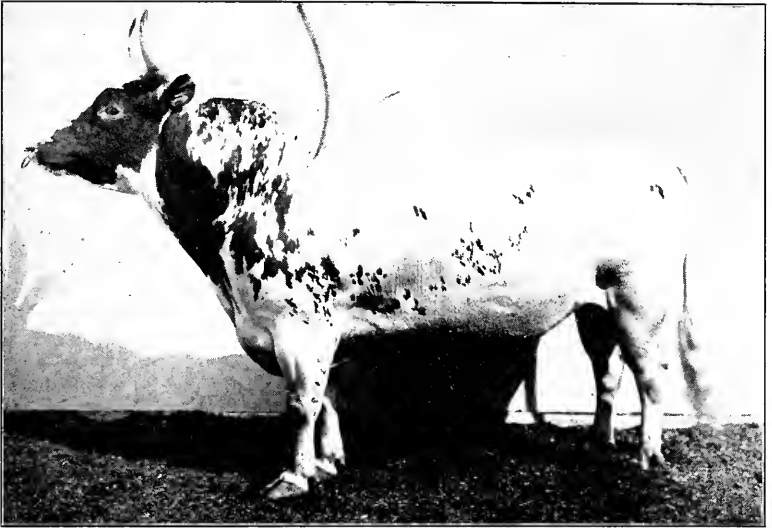
19746 Mosshawk of Barclay, A. R. 63.....
Calved February 21, 1904.
Bred by George H. McFadden, Bryn Mawr,
Pa.; owned by J. W. Clise, Redmond, Wash.
Dam, Mosshawk of Hindsward, 15095; sire,
Geo. of Rosemont, 7670.
2 years and 160 days old at beginning of test.

6,044
259.75
303

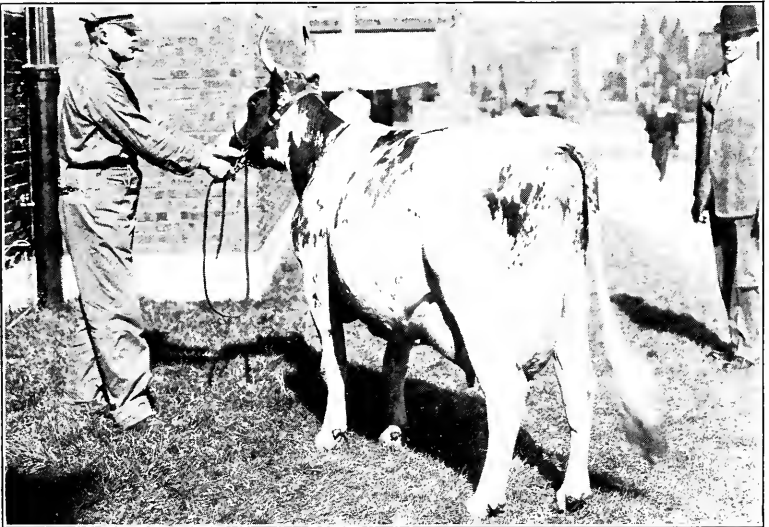
Record, pounds of milk.....
pounds of fat.....
pounds of butter.....

23549 Lady's Princess, A. R.....
Calved July 12, 1906.
Bred by Alex. Hume & Co., Menie, Ont.;
owned by Percival Roberts, Jr., Narberth,
Pa.
Dam, Lady's Princess of Menie, 20722; sire,
Lessnessock Royal Star, 9608.
2 years and 22 days old at beginning of test.

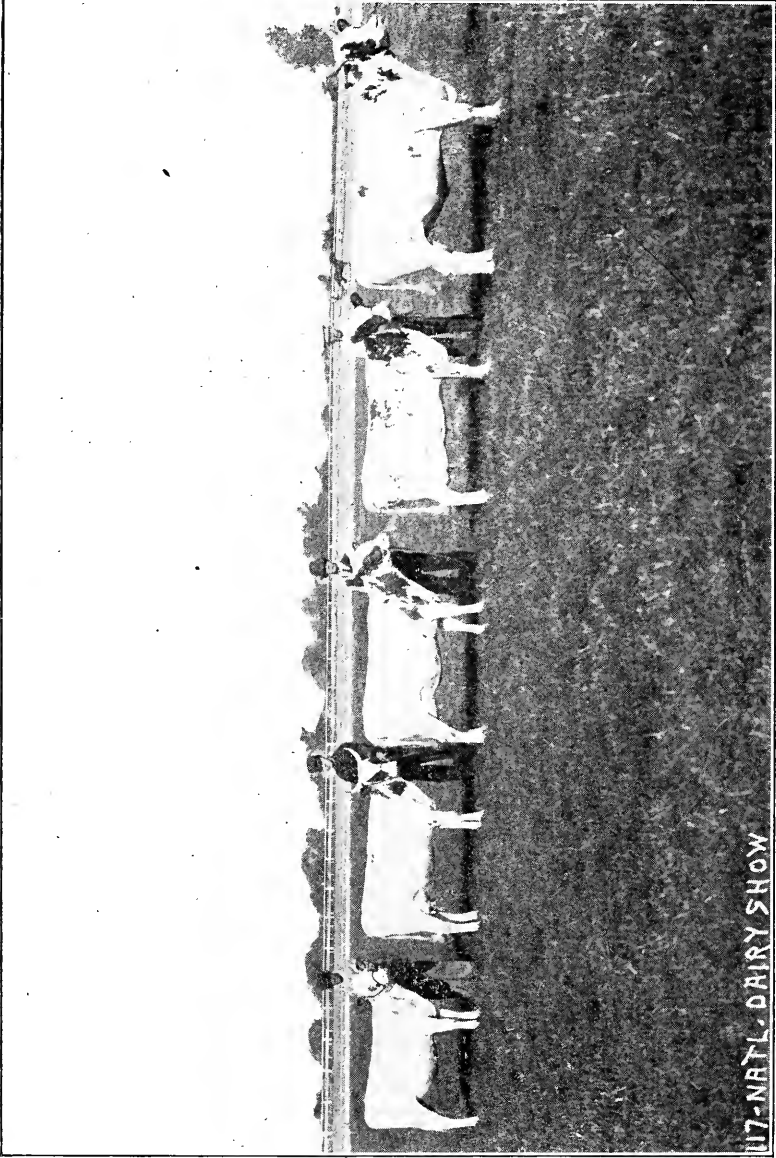
20615	Blossom of Seattle, A. R. 38..... Calved August 10, 1905. Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. Dam, Blossom of Radnor, 17899; sire, Moon- stone of Drumsuie, 8228. 1 year and 295 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,027 256.30 299
17507	Rose Crashaw, A. R. 45..... Calved August 17, 1901. Bred and owned by C. M. Winslow, Brandon, Vt. Dam, Rose Caprice, 13681; sire, Rothage, 6044. 2 years and 25 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	5,995 230.57 269
18264	Muriel Girl, A. R. 42..... Calved October 22, 1903. Bred and owned by C. M. Winslow, Brandon, Vt. Dam, Muriel Fox, 15036; sire, Carbello, 6634. 1 year and 359 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	5,914 244.30 285



DUKE CLARENCE OF BARCHESKIE, 6640, IMP.
Grand Champion.



BOGHALL SNOWDROP 2d, 25762.
Champion Cow, National Dairy Show, 1909.



FIRST PRIZE HERD, NATIONAL DAIRY SHOW, 1909.

15035	Rose Ascott, A. R. 30..... Calved July 7, 1900. Bred and owned by C. M. Winslow, Brandon, Vt.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	5,621 207.43 242
18043	Lady Wonder 4th, A. R. 48..... Calved October 1, 1902. Bred and owned by L. S. Drew, South Bur- lington, Vt.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	5,606 210 245
17512	Florine Corslet, A. R. 40..... Calved February 11, 1902. Bred and owned by C. M. Winslow, Brandon, Vt.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	5,504 212.60 248
	Dam, Floy Corslet, 15023; sire, Warfield, 7045. 1 year and 335 days old at beginning of test.		

THREE-YEAR-OLD FORM.

21255	Curfew Bell, A. R. 180. Calved November 11, 1904. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Lady Bell 4th, 17256; sire, Colonel Ayer, 7168. 3 years and 174 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	11,181 502.99 587
22652	Drummond's Gem, A. R. 187. Calved February 20, 1904. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Netherwood Drummond, 16739; sire, Nox'emall, 7312. 3 years and 259 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,746 356.28 416
21850	Madonna Lass 3d, A. R. 185. Calved February 10, 1904. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Madonna Lass, 15986; sire, Nox'emall, 7312. 3 years and 241 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,467 429.85 501

19490 Jennie of Sand Hill, A. R. 188. 10,160
 Calved December 4, 1903. 437.16
 Bred by M. J. & L. D. Karr, Almond, N. Y.;
 owned by S. S. Karr & Sons, Almond, N. Y.
 Dam, Hellen Almond, 15239; sire, John Do-
 land, 7872.
 3 years and 304 days old at beginning of test.

19833 Sweet Josie, A. R. 98. 10,103
 Calved December 23, 1902. 404.57
 Bred by J. D. Honeymann, Portland Oregon;
 owned by J. W. Clise, Redmond, Wash.
 Dam, Josie Douglas of Riverside, 16238; sire,
 Riverside King, 7315.
 3 years and 276 days old at beginning of test.

22563 Queen Ester, A. R. 9,998
 Calved April 27, 1905. 330.48
 Bred by W. G. Tucker, Elm Valley, N. Y.;
 owned by H. C. Groome, Warrenton, Va.
 Dam, Queen Midget, 18334; sire, Clarence's
 Star, 8261.
 3 years and 275 days old at beginning of test.

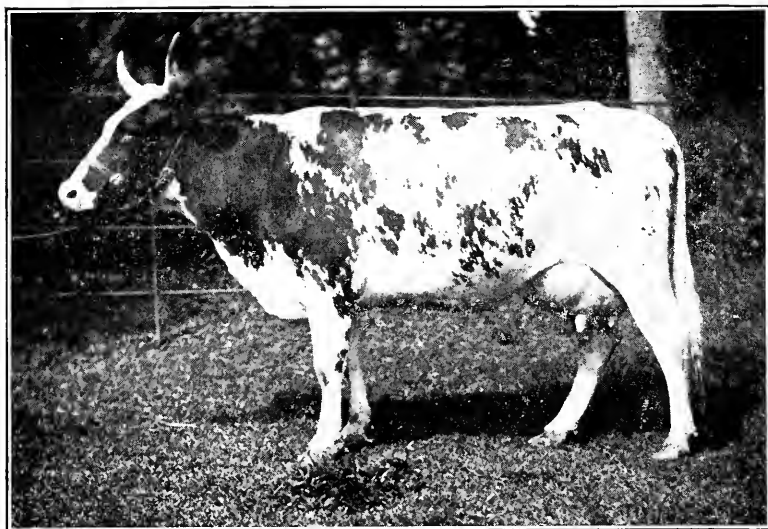
24674	Auchenrain Favorite Beauty 6th, A. R. Calved February, 1906. Bred by Robert Wallace, Auchenrain, Mauchline, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Auchenrain Favorite Beauty 2d, "18633;" sire, Auchenrain Drummie, "6190." 3 years old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,842 469.43 548
19487	Midget of Sand Hill, A. R. 89..... Calved September 8, 1903. Bred by M. J. & I. D. Karr, Almond, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Kathleen T, 13286; sire, John Doland, 7872. 3 years and 108 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,824 361.71 422
20324	Daisy Jewess 3d, A. R. 97..... Calved October 25, 1902. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Daisy Jewess, 13333; sire, Nox'emall, 7312. 3 years and 228 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,665 356.57 416

17452	Eugenie Douglas, A. R. 83..... Calved October 10, 1900. Bred and owned by Howard Cook, Beloit, O. Dam, Miss Douglas, 10265; sire, Beloit Ayer, 6775. 3 years and 10 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,587 379.71 443
19507	Lady Burton, A. R. 184..... Calved July 18, 1904. Bred by Charles C. Doe, South Newbury, Vt.; owned by Charles J. Bell, Hollis, N. H. Dam, Lady Hope, 16127; sire, Yucca Lad, 6878. 3 years and 233 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,580 326.95 381
22213	Babe's Duchess, A. R. 102..... Calved November 28, 1902. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Baby Jewess, 14868; sire, Nox'emall, 7312. 3 years and 350 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,559 387.31 452

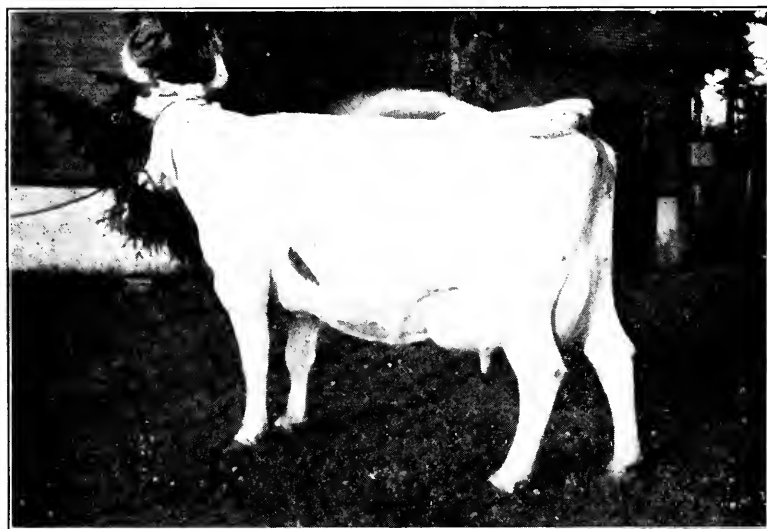
20528	Bernice Sebastian, A. R..... Calved, April 19, 1903. Bred and owned by J. F. Butterfield, South Montrose, Pa. Dam, Bute Rome, 17462; sire, Sebastian, 6269. 3 years and 30 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,467 381.12 445
24676	Barcheskie Gwinette, A. R..... Calved March, 1906. Bred by James McAdam, Craigley, Castle Douglas, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Marion of Boreland, "11563;" sire, St. Simon of Auchenbrain, "4900." 3 years old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,234 415.01 484
19504	Yucca Douglas, A. R. 183..... Calved February 22, 1904. Bred by Charles C. Doe, South Newbury, Vt.; owned by Charles J. Bell, Hollis, N. H. Dam, Florence Douglas of Warren, 12999; sire, Yucca Lad, 6878. 3 years and 217 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,049 317.77 371

15263	Belle's Cherry, A. R. 18. Calved September 30, 1898. Bred by Ira W. Jones, Alfred, N. Y.; owned by Howard Cook, Beloit, Ohio. Dam, Belle Hebron, 13013; sire, Oil Prince, 5892. 3 years old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,871 360.85 421
22763	Crimson Maid, A. R. 2d entry..... Calved August 15, 1905. Bred and owned by George F. Stone, Littleton, Mass. Dam, Lakeside Maid, 16157; sire, Crimson Boy, 9160. 3 years and 131 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,811 342.65 400
18680	Amelia Sebastian, A. R..... Calved September 27, 1902. Bred and owned by J. F. Butterfield, South Montrose, Pa. Dam, Amanda Alexis, 14676; sire, Sebastian, 6269. 3 years and 359 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,604 355.66 415

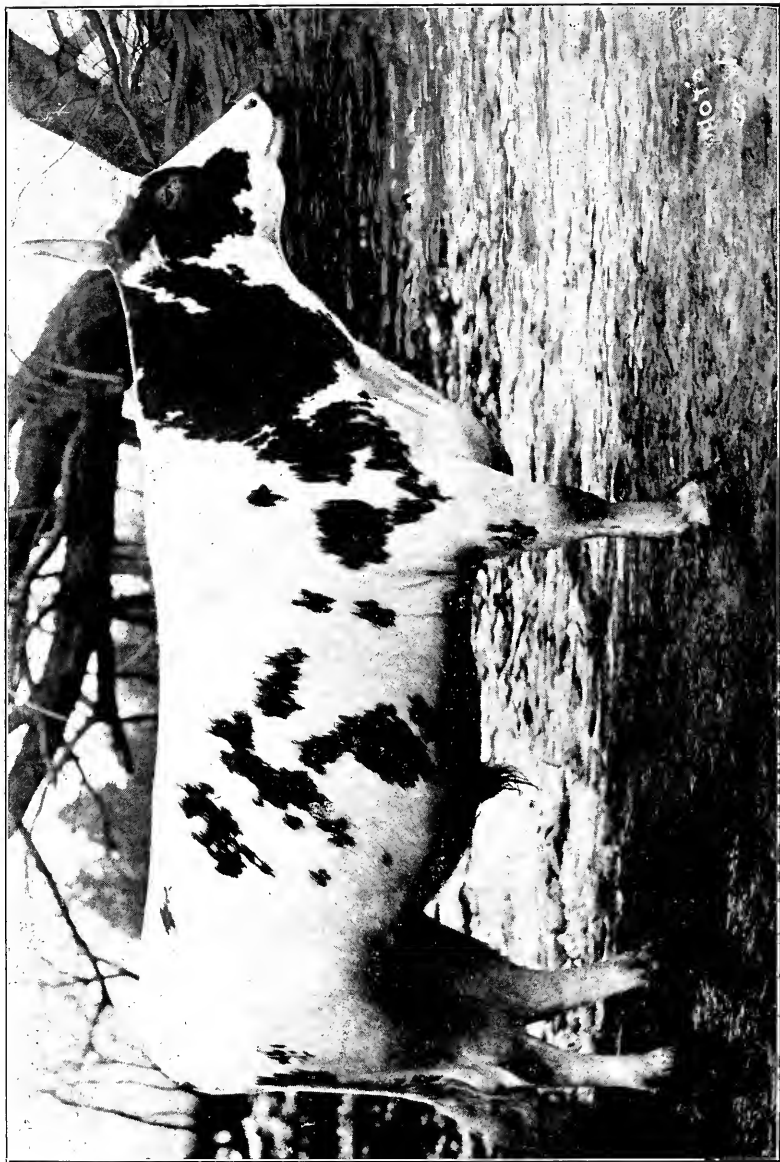
19752	Cherry of Barclay, A. R. 179. Calved June 6, 1904. Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. Dam, Cherry of Bonshaw, 15582; sire, Moon- stone of Drumsuite, 8228. 3 years and 128 days old at beginning of test.	Record, pounds of milk. pounds of fat. pounds of butter.	8,599 371.18 433
17256	Lady Bell 4th, A. R. 91. Calved July 8, 1901. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Lady Bell, 14243; sire, Oshawa of High- land, 7225. 3 years and 125 days old at beginning of test.	Record, pounds of milk. pounds of fat. pounds of butter.	8,516 374.57 437
21795	Irene Douglas, A. R. 189. Calved August 8, 1904. Bred by Howard Cook, Beloit, Ohio; owned by L. A. Reymann, Wheeling, W. Va. Dam, Inez Douglas, 14554; sire, Dunraven of Ste. Anne's, 7662. 3 years and 312 days old at beginning of test.	Record, pounds of milk. pounds of fat. pounds of butter.	8,490 339.94 397



21625, AUCHENBRACK SWEET PEA 2D, A. R.
Record as a Mature Cow, 13,097 lbs. Milk, 622 lbs. Butter.



21705, NETHERHALL JEAN 3d, A. R. 201.
10,920 lbs. Milk, 506 lbs. Butter.
Second Prize at Seattle, 1909.



LESSNESOCK OYAMA'S GUARANTIE, 11951.
Third Prize, Aged Bull, at Seattle, 1909.

17255	Nellie of Highland, A. R. 100..... Calved October 22, 1901. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Nellie Dunken, 14407; sire, Oshawa of Highland, 7225. 3 years and 316 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,374 333.43 389
19897	Queen S., A. R. 191..... Calved April 28, 1904. Bred by L. D. Stowell, Black Creek, N. Y.; owned by W. V. Probasco, Cream Ridge, N. J. Dam, Lady Queen Snipper, 15831; sire, Vicar of Wakefield, 7410. 3 years and 348 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,362 281.59 329
21253	Ithan 3d, A. R. 177..... Calved September 2, 1904. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Ithan, 14538; sire, Oshawa of Highland, 7225. 3 years and 28 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,360 347.23 405

22218 Broomhill Dairymaid, A. R. 99..... Record, pounds of milk..... 8,326
 Calved April, 1903. pounds of fat..... 318.85
 Bred by Thomas Barbour, Scotland; owned by pounds of butter..... 372
 George H. McFadden, Bryn Mawr, Pa.
 Dam, Broomhill Milkmaid, "19078;" sire,
 Nethercraig High Tide, "6329."
 3 years and 296 days old at beginning of test.

18247 Kitty K 2d, A. R. 92..... Record, pounds of milk..... 8,255
 Calved June 12, 1902. pounds of fat..... 352.30
 Bred and owned by John R. Valentine, Bryn pounds of butter..... 411
 Mawr, Pa.
 Dam, Kitty K, 12933; sire, Oshawa of High-
 land, 7225.
 3 years and 159 days old at beginning of test.

18681 Angeline Sebastian, A. R. 94..... Record, pounds of milk..... 8,176
 Calved October 23, 1902. pounds of fat..... 340.30
 Bred and owned by J. F. Butterfield, South pounds of butter..... 397
 Montrose, Pa.
 Dam, Anna Webb, 17454; sire, Sebastian,
 6269.
 3 years and 205 days old at beginning of test.

22219	Barleith Snowdrop, A. R. 101..... Calved June, 1903. Bred by James Neill, Barleith, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Barleith Sally-do-Well, "15355," sire, Sirdar of Barleith, "4873." 3 years and 328 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,158 299.13 349
20802	Lady Redwood, A. R..... Calved March 14, 1903. Bred and owned by E. J. Fletcher, Greenfield, N. H. Dam, Durwood, 12680; sire, Black Douglas of Lyndeboro, 7346. 3 years and 31 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,141 288.57 337
18821	Lady Rotha, A. R. 82..... Calved June 18, 1903. Bred by S. M. Wells, Newington, Conn.; owned by J. W. Clise, Redmond, Wash. Dam, Rotha, 12460; sire, Glencairn of Ridg- side, 6248. 3 years and 9 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,101 315.42 368

20181 Kaziah 2d, A. R. 178..... Record, pounds of milk..... 7,961
 Calved October 20, 1903. pounds of fat..... 294.90
 Bred by W. G. Tucker, Elm Valley, N. Y.; pounds of butter..... 344
 owned by John R. Valentine, Bryn Mawr,
 Pa.
 Dam, Kaziah, 16295; sire, King Jerry, 8413.
 3 years and 31 days old at beginning of test.

21094 Lady Star, A. R. 190..... Record, pounds of milk..... 7,906
 Calved April 21, 1904. pounds of fat..... 270.96
 Bred by Thomas J. Burdick & Sons, Alfred, pounds of butter..... 316
 N. Y.; owned by W. V. Probasco, Cream
 Ridge, N. J.
 Dam, Loto J, 18713; sire, Clarence's Star,
 8261.
 3 years and 334 days old at beginning of test.

16351 Doris Y, A. R. 96..... Record, pounds of milk..... 7,807
 Calved September 12, 1900. pounds of fat..... 313
 Bred by James L. Young, Sterling, Conn.; pounds of butter..... 365
 owned by Henry Dorrance, Plainfield, Conn.
 Dam, Musee Y, 14839; sire, Stonewall Doug-
 las, 6191.
 3 years and 216 days old at beginning of test.

21249	Oshawa's Pride, A. R. 182..... Calved March 20, 1904. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Lady Bell 3d, 17253; sire, Colonel Ayer, 7168. 3 years and 194 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,681 317.94 371
19755	Soncy of Barclay, A. R. 186..... Calved August 20, 1904. Bred by George H. McFadden, Bryn Mawr, Pa.; owned by J. W. Clise, Redmond, Wash. Dam, Soncy 2d of Clockston, 15576; sire, Geo. of Rosemont, 7670. 3 years and 253 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,680 320.76 374
21248	Oshawa's Prudence, A. R. 181..... Calved March 20, 1904. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Lady Bell 3d, 17253; sire, Colonel Ayer, 7168. 3 years and 194 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,668 313.44 366

19350	Chataqua Fairy, A. R. 93..... Calved April 12, 1903. Bred by C. E. Atwater & Son, East Avon, N. Y.; owned by J. F. Butterfield, South Montrose, Pa. Dam, Chautauqua Girl, 19349; sire, Red Lad, 8954. 3 years and 195 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,524 315.14 356
18824	Orinda, A. R. 85..... Calved July 8, 1903. Bred by S. M. Wells, Newington, Conn.; owned by J. W. Clise, Redmond, Wash. Dam, Dolly Roy, 12462; sire, Glencairn of Ridgeside, 6248. 3 years and 23 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,375 280.30 327
17614	Ponemah 2d, A. R. 87..... Calved August 20, 1902. Bred by George H. Yeaton, Dover, N. H.; owned by Walter D. Turner, Moretown, Vt. Dam, Ponemah, 13983; sire, Gold Bug, 7514. 3 years and 51 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	7,330 258 301

17360 Rotha of Ridgeside, A. R. 95..... Record, pounds of milk..... 7,324
 Calved May 9, 1902. 330.86
 Bred by S. M. Wells, Newington, Conn.; pounds of fat.....
 owned by Henry Dorrance, Plainfield, Conn. pounds of butter..... 386
 Dam, Rotha 2d, 16175; sire, Isaleigh Osborne
 of Castle Hill, 6926.

3 years and 206 days old at beginning of test.

22765 Crimson Avis, A. R..... Record, pounds of milk..... 7,320
 Calved September 29, 1905. 261.45
 Bred and owned by George F. Stone, Littleton, pounds of fat.....
 Mass. pounds of butter..... 305

19489 Cora T 3d, A. R. 90..... Record, pounds of milk..... 7,312
 Calved November 8, 1903. 301.71
 Bred and owned by S. S. Karr & Sons, Al- pounds of fat.....
 mond, N. Y. pounds of butter..... 352

Dam, Cora T., 13772; sire, John Doland, 7872.
 3 years and 118 days old at beginning of test.

18248	Neidpath Lassie 2d, A. R. 88..... Calved March 25, 1903. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Neidpath Lassie, 17260; sire, Colonel Ayer, 7168. 3 years and 67 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,746 258 301
16701	Stilletto, A. R. 86..... Calved September 10, 1900. Bred and owned by Connecticut Agricultural College, Storrs, Conn. Dam, Stella Bertram 2d, 13432; sire, Rudolph, 5825. 3 years and 42 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,707 262.93 307
18689	White Bess of Radnor, A. R. 84..... Calved July 12, 1903. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Daisy of Rosemont, 17011; sire, Geo. of Rosemont, 7670. 3 years and 20 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	6,594 262.30 306

FOUR-YEAR-OLD FORM.

17904	Bessie of Rosemont, A. R. 44 (2d entry) Calved February 15, 1903. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Mayflower of Monkland, 15090; sire, Moonstone of Drumsuie, 8228. 4 years and 110 days old at beginning of test.	Record, pounds of milk. pounds of fat. pounds of butter.	14,102 578.57 675
18400	Cora T. 2d, A. R. 198. Calved November 23, 1902. Bred by M. A. Tuttle, Hornellsville, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Cora T, 13772; sire, Scotty, 7169. 4 years and 300 days old at beginning of test.	Record, pounds of milk. pounds of fat. pounds of butter.	12,230 510.67 596
20180	Bell Ayer, A. R. 56 (2d entry) Calved October 13, 1903. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Lady Bell 3d, 17253; sire, Colonel Ayer, 7168. 4 years and 189 days old at beginning of test.	Record, pounds of milk. pounds of fat. pounds of butter.	11,934 492.91 575

20066	Lady Douglas of Riverside, A. R.	Record, pounds of milk.	11,577
	Calved April 20, 1904.	pounds of fat.	447.72
	Bred and owned by J. F. Converse, Woodville, N. Y.	pounds of butter.	522
	Dam, Lady Douglas of Woodville, i6249; sire, Lord Douglas I of Maple Grove, 6376.		
	4 years and 243 days old at beginning of test.		
21852	Douglas Cordelia, A. R. 79 (2d entry)	Record, pounds of milk.	11,448
	Calved October 16, 1904.	pounds of fat.	411.10
	Bred and owned by L. A. Reymann, Wheeling, W. Va.	pounds of butter.	480
	Dam, White Cordelia, 12956; sire, Nox'emall, 7312.		
	4 years and 188 days old at beginning of test.		
19487	Midget of Sand Hill, A. R. 89 (2d entry)	Record, pounds of milk.	11,281
	Calved September 8, 1903.	pounds of fat.	421.47
	Bred by M. J. & I. D. Karr, Almond, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y.	pounds of butter.	492
	Dam, Kathleen T, 13286; sire, John Doland, 7872.		
	4 years and 148 days old at beginning of test.		

18249	Oshawa Lady 2d, A. R. 78 (2d entry)	Record,	pounds of milk	11,254
	Calved May 7, 1903.		pounds of fat	430.73
	Bred and owned by John R. Valentine, Bryn Mawr, Pa.		pounds of butter	503
	Dam, Oshawa Lady, 16020; sire, Colonel Ayer, 7168.			
	4 years and 346 days old at beginning of test.			
19217	Finlayston Maggie 3d, A. R. 105	Record,	pounds of milk	10,759
	Calved February, 1901.		pounds of fat	439.71
	Bred by Andrew Wilson, Finlayston, Ochiltree, Ayrshire, Scotland; owned by George H. McFadden, Bryn Mawr, Pa.		pounds of butter	513
	Dam, Finlayston Maggie 2d, "16953;" sire, Burnock King of Finlayston, "4573."			
	4 years and 20 days old at beginning of test.			
18678	Pauline Sebastian, A. R. 109	Record,	pounds of milk	10,745
	Calved May 18, 1902.		pounds of fat	361.71
	Bred and owned by J. F. Butterfield, South Montrose, Pa.		pounds of butter	422
	Dam, Pet Webb, 14682; sire, Sebastian, 6269.			
	4 years and 50 days old at beginning of test.			

19153	Esthon Douglas, A. R. 197. Calved August 7, 1903. Bred by Charles C. Doe, South Newbury, Vt.; owned by Charles J. Bell, Hollis, N. H. Dam, Hilda Douglas of Newbury, 16275; sire, Yucca Lad, 6878. 4 years and 255 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,527 373.52 436
17015	Becky of Holehouse, A. R. 115..... Calved April 17, 1900. Bred by Robert Woodburn, Holehouse, Gals- ton, Scotland; owned by George H. McFad- den, Bryn Mawr, Pa. Dam, Horny of Holehouse, 15580; sire, Bright Smile of Nethercraig, "4108." 4 years and 314 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,507 396.85 463
20531	Abbie Sebastian, A. R. 103..... Calved May 16, 1903. Bred and owned by J. F. Butterfield, South Montrose, Pa. Dam, Abbie Webb, 17456; sire, Sebastian, 6269. 4 years old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,449 366 427

21247	Rena Ayer, A. R. 72 (2d entry)..... Calved March 2, 1904. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Rena Webb, 12479; sire, Colonel Ayer, 7168. 4 years and 2 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,424 440.21 514
20323	October Lass, A. R. 111..... Calved October 12, 1902. Bred by R. J. & W. J. Munce, Washington, Pa.; owned by L. A. Reymann, Wheeling, W. Va. Dam, White Cordelia, 12956; sire, Happy Lad, 8463. 4 years and 166 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,078 397.43 462
17473	Madonna Lass 2d, A. R. 110..... Calved January 24, 1902. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Madonna Lass, 15986; sire, Bill McDer- mott, 7202. 4 years and 76 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,020 384.54 449

20956 Garclaugh Mayflower, A. R. 194..... Record, pounds of milk..... 9,814
 Calved April 1, 1903. pounds of fat..... 394.59
 Bred by Andrew M. Baird, Garclaugh, New pounds of butter..... 460
 Cumnock, Scotland; owned by Percival
 Roberts, Jr., Narberth, Pa.

Dam, Garclaugh Violet 2d, "15513;" sire,
 Garclaugh Substance, "5135."
 4 years and 105 days old at beginning of test.

21627 Broomhill Minnie 10th, A. R. 106..... Record, pounds of milk..... 9,409
 Calved April, 1902. pounds of fat..... 380.57
 Bred by Thomas Barber, Broomhill, Dundon- pounds of butter..... 444
 ald, Scotland; owned by George H. McFaul-
 den, Bryn Mawr, Pa.

Dam, Minnie 2d of Broomhill, "11305;" sire,
 General Buller of Broomhill, "4352."
 4 years and 30 days old at beginning of test.

18679 Agnese Sebastian, A. R. 107..... Record, pounds of milk..... 9,364
 Calved May 30, 1902. pounds of fat..... 366
 Bred and owned by J. F. Butterfield, South pounds of butter..... 427
 Montrose, Pa.

Dam, Abbie Webb, 17456; sire, Sebastian,
 6269.
 4 years and 37 days old at beginning of test.

20846	Lady Leah, A. R. Calved January 20, 1905. Bred by Fred Jones, Wilton, N. H.; owned by Charles J. Bell, Hollis, N. H. Dam, Rhoda Douglas, 18712; sire, Chief of Drumcap, 8862. 4 years and 48 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,199 308.83 360
21851	Douglas Empress, A. R. 195..... Calved October 29, 1903. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Netherwood Empress, 17874; sire, Nox'emall, 7312. 4 years and 111 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,165 382.86 446
16779	Dollie Kilbowie, A. R. 112..... Calved March 28, 1901. Bred by C. M. Winslow, Brandon, Vt.; owned by Walter D. Turner, Moretown, Vt. Dam, Kate Kilbowie, 15397; sire, Twister, 5651. 4 years and 192 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,039 311.14 363

21109	Crimson Rambler, A. R. 61 (2d entry)..... Calved March 28, 1904. Bred and owned by George F. Stone, Littleton, Mass. Dam, Crimsonia 2d, 13715; sire, Duke of Lit- tleton, 8080. 4 years and 309 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,013 329.91 385
17024	Lizzie of Barclay, A. R. 116..... Calved April 19, 1901. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Lizzie 6th of Auchenbrain, 15583; sire, Prince of Barclay, 6711. 4 years and 337 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,868 408 476
24650	Gertrude Kelvyn, A. R..... Calved September 5, 1904. Bred by Anson C. Piper, South Acton, Mass.; owned by George F. Stone, Littleton, Mass. Dam, Abbie Gertrude 2d, 13716; sire, Kelvyn, 7187. 4 years and 66 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,793 327.53 382

17472 Daisy Jewess 2d, A. R. 114..... Record, pounds of milk..... 8,574
 Calved August 12, 1901. pounds of fat..... 336.86
 Bred and owned by L. A. Reymann, Wheeling, W. Va. pounds of butter..... 393

Dam, Daisy Jewess, 13333; sire, Twister, 5651.
 4 years and 263 days old at beginning of test.

21622 Auchenbrain Princess 7th, A. R. 104..... Record, pounds of milk..... 8,485
 Calved April, 1902. pounds of fat..... 355.71
 Bred by Robert Wallace, Auchenbrain, Mauchline, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. pounds of butter..... 415

Dam, Princess 5th of Auchenbrain, "15010;"
 sire, Rising Star of Auchenbrain, "4583."
 4 years old at beginning of test.

17997 Miss Betty of Spring Hill, A. R. 113..... Record, pounds of milk..... 8,334
 Calved June 10, 1902. pounds of fat..... 304.28
 Bred by Robert Hunter, Maxville, Ont.; owned by S. S. Karr & Sons, Almond, N. Y. pounds of butter..... 355
 Dam, Beauty of Spring Hill, 17995; sire, Glendora Mint, 8283.

4 years and 198 days old at beginning of test.

15033	Lulu Avondale, A. R. 24 (2d entry)..... Calved March 5, 1900. Bred and owned by C. M. Winslow, Brandon, Vt. Dam, Acelista, 12094; sire, Reynard, 6038. 4 years and 195 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,326 336 392
22474	Nellie Earl, A. R..... Calved March 5, 1905. Bred by Hiram Karr, Almond, N. Y.; owned H. C. Groome, Warrenton, Va. Dam, Ivan 2d, 22468; sire, Earl's Choice of Spring Hill, 8289. 4 years and 40 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,921 336.19 392
20529	Polly Sebastian, A. R. 196..... Calved May, 1903. Bred and owned by J. F. Butterfield, South Montrose, Pa. Dam, Pet Webb, 14682; sire, Sebastian, 6269. 4 years and 188 days old at beginning of test.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,189 315.33 368

17254 Ithan 2d, A. R. 108..... Record, pounds of milk..... 8,174
 Calved September 10, 1900. pounds of fat..... 368.57
 Bred and owned by John R. Valentine, Bryn Mawr, Pa. pounds of butter..... 430

19894 Linda S., A. R. 193..... Record, pounds of milk..... 8,005
 Calved March 22, 1904. pounds of fat..... 310.78
 Bred by L. D. Stowell, Black Creek, N. Y.; owned by W. V. Probasco, Cream Ridge, N. J. pounds of butter..... 363

Dam, Cecelia S., 15919; sire, Vicar of Wakefield, 7410.
 4 years and 40 days old at beginning of test.

22221 Holehouse White Bess, A. R. 192..... Record, pounds of milk..... 7,981
 Calved March, 1904. pounds of fat..... 347.87
 Bred by Robert Woodburn, Holehouse, Galston, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. pounds of butter..... 406

Dam, Holehouse Bess 4th, "15312," sire, Barcheskie May King, "5665."
 4 years old at beginning of test.

20530 Hazel Sebastian, A. R. Record, pounds of milk..... 7,825
 Calved May 12, 1903. 333.62
 Bred and owned by J. F. Butterfield, South
 Montrose, Pa. 389.

20871 Miss Bessie, A. R. Record, pounds of milk..... 7,755
 Calved March 3, 1905. 333.74
 Bred and owned by George H. McFadden,
 Bryn Mawr, Pa. 389

Dam, Bessie of Rosemont, 17904; sire, Moon-
 stone of Drumsuite, 8228.
 4 years and 5 days old at beginning of test.

FIVE YEARS OLD AND OVER.

14539 Rena Ross, A. R. 141 (2d entry) Record, pounds of milk..... 15,072
 Calved February 28, 1898. 643.71
 Bred by W. G. Tucker, Elm Valley, N. Y.;
 owned by John R. Valentine, Bryn Mawr,
 Pa. 751

Dam, Rena Webb, 12479; sire, Major Ayer,
 5533.

21687	Auchenbrain White Beauty 2d, A. R. 207 (2d entry)	Record, pounds of milk	13,789
	Calved April, 1902.	pounds of fat	564.39
	Bred by Robert Wallace, Auchenbrain, Mauchline, Scotland; owned by Percival Roberts, Jr., Narberth, Pa.	pounds of butter	658
	Dam, White Beauty of Auchenbrain, "15011;" sire, Rising Star of Auchenbrain, "4583."		
16289	Fern Ayer, A. R. 134 (2d entry)	Record, pounds of milk	13,601
	Calved February 10, 1899.	pounds of fat	519.64
	Bred by W. G. Tucker, Elm Valley, N. Y.; owned by John R. Valentine, Bryn Mawr, Pa.	pounds of butter	606
	Dam, Favorite Princess, 13990; sire, Major Ayer, 5533.		♂
21625	Auchenbrack Sweet Pea 2d, A. R.	Record, pounds of milk	13,097
	Calved March 27, 1903.	pounds of fat	532.87
	Bred by James R. Wallace, Auchenbrack, Thornhill, Scotland; owned by George H. McFadden, Bryn Mawr, Pa.	pounds of butter	622
	Dam, Stately 2d of Auchenbrack, "10638;" sire, Burnhouses of Auchenbrack, "4542."		

20944	Garclaugh Bloomer 2d, A. R. 215..... Calved April, 1897. Bred by Andrew M. Baird, Garclaugh, New Cumnock, Scotland; owned by Percival Roberts, Jr., Narberth, Pa. Dam, Garclaugh Bloomer 1st, "18334;" sire, Bogwood Prince, "6090."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	12,969 491.38 573
16296	Polly Puss, A. R. 133..... Calved February 12, 1900. Bred by W. G. Tucker, Elm Valley, N. Y.; owned by John R. Valentine, Bryn Mawr, Pa. Dam, Polly J, 15238; sire, Major Ayer, 5533.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	12,632 500.57 584
15096	Queen of Barclay, A. R. 148 (3d entry)..... Calved May 5, 1898. Bred by James Robb, Hindsward, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Mosshawk of Hindsward, 15095; sire, Lord Nelson of Ardgowan, "3607."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	12,557 527.89 616

20970	Primrose, A. R. 209 (2d entry)	Record, pounds of milk.....	12,465
	Calved March 19, 1899.	pounds of fat.....	461.16
	Bred by Alex Hume & Co., Menie, Ont.; owned by Percival Roberts, Jr., Narberth, Pa.	pounds of butter.....	538
	Dam, Bell, 20969; sire, White Chief of Ste Anne's, 6342.		
17018	Friskey of Bonshaw, A. R. 144 (2d entry)	Record, pounds of milk.....	12,445
	Calved January 16, 1901.	pounds of fat.....	585.66
	Bred and owned by George H. McFadden, Bryn Mawr, Pa.	pounds of butter.....	683
	Dam, Cherry of Bonshaw, 15582; sire, Prince of Barclay, 6711.		
13772	Cora T, A. R. 212.....	Record, pounds of milk.....	12,392
	Calved February 6, 1898.	pounds of fat.....	449
	Bred by M. A. Tuttle, Hornellsville, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y.	pounds of butter.....	523
	Dam, Cora S, 10196; sire, Aldine's Dandy, 5730.		

15913 Keepsake, A. R. 140 (2d entry) Record, pounds of milk..... 12,365
 Calved September 30, 1898. 469.32
 Bred by W. G. Tucker, Elm Valley, N. Y.;
 owned by John R. Valentine, Bryn Mawr,
 Pa. 548
 Dam, Kalley, 12660; sire, Major Ayer, 5533.

9530 Rena Myrtle, A. R. 1 Record, pounds of milk..... 12,172
 Calved March 18, 1887. 468
 Bred by C. M. Winslow, Brandon, Vt.; owned
 by Vermont Experiment Station, Burlington,
 Vt. 546

Dam, Myrtle Dell, 3854; sire, Emperor, 3355.

21850 Madonna Lass 3d, A. R. 185 (2d entry) Record, pounds of milk..... 12,097
 Calved February 10, 1904. 490.67
 Bred and owned by L. A. Reymann, Wheeling,
 W. Va. 572
 Dam, Madonna Lass, 15986; sire, Nox'emall,
 7312.

17287	Bessie Clyde, A. R. 210..... Calved March 3, 1901. Bred by Ira W. Jones, Alfred, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Jennie Clyde, 12028; sire, Empire S, 6903.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	12,044 459.19 536
17473	Madonna Lass 2d, A. R. 110 (2d entry)..... Calved January 24, 1902. Bred and owned by L. A. Reymann, Wheeling, W. Va. Dam, Madonna Lass, 15986; sire, Bill Mc- Dermott, 7202.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	11,895 416.85 486 ♂
12094	Acelista, A. R. 8 (2d entry)..... Calved September 20, 1894. Bred and owned by C. M. Winslow, Brandon, Vt. Dam, Acme 5th, 10342; sire, Nonpareil, 4535.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	11,856 419.14 489

21702 Princess Lily, A. R. 204..... Record, pounds of milk..... 11,771
 Calved May 3, 1898. pounds of fat..... 438.03
 Bred by Archibald Campbell, Howick, Que.; pounds of butter..... 511
 owned by J. W. Clise, Redmond, Wash.

Dam, Lily of Burnside, 18565; sire, Harcourt of B, 7272.

21686 Castlemain's Nancy 2d, A. R. 216..... Record, pounds of milk..... 11,767
 Calved April, 1902. pounds of fat..... 437.01
 Bred by William Sloan, Castlemain, New pounds of butter..... 510
 Cumnock, Scotland; owned by Percival Roberts, Jr., Narberth, Pa.

Dam, Castlemain's Nancy, "App. Vol. 26, page 460;" sire, Sergeant Major of Castlemain, "4779."

15577 Denty 9th of Auchenbrain, A. R. 146..... Record, pounds of milk..... 11,757
 Calved April, 1896. pounds of fat..... 452.57
 Bred by Robert Wallace, Mauchline, Scotland; pounds of butter..... 528
 owned by George H. McFadden, Bryn Mawr, Pa.

Dam, Denty 6th of Auchenbrain, "5569;" sire, Sir Thomas of Auchenbrain, "2760."

20922 May Mitchell, A. R. 156..... Record, pounds of milk..... 11,708
 Calved January 12, 1898. pounds of fat..... 459.56
 Bred by Wm. Stewart, Jr., & Son, Menie, pounds of butter..... 536
 Ont.; owned by Percival Roberts, Jr., Nar-
 berth, Pa.

Dam, White Floss of Menie, 19539; sire,
 Douglas of Loudoun, 6762.

21699 Little Kilmory Lady Jane, A. R..... Record, pounds of milk..... 11,505
 Calved April, 1900. pounds of fat..... 401.45
 Bred by Charles Duncan, Little Kilmory,
 Rothsay, Scotland; owned by J. W. Clise,
 Redmond, Wash.

Dam, Little Kilmory Lady Bute, "App. Vol. 28,
 page 302," sire, M'Quitteston General
 French, "5927."

18148 Etta Poultney, A. R. 127..... Record, pounds of milk..... 11,475
 Calved August 3, 1901. pounds of fat..... 419.14
 Bred by J. F. Converse, Woodville, N. Y.;
 owned by J. W. Clise, Redmond, Wash.
 Dam, Myra of Poultney, 16184; sire, Nox-
 'emall, 7312.

19216 Brown Eyes of Knockdon, A. R. 150 (2d entry). Record, pounds of milk..... 11,448
 Calved April 27, 1899. pounds of fat..... 437.61
 Bred by Alexander Cross, Knockdon, Scot- pounds of butter..... 511
 land; owned by George H. McFadden,
 Bryn Mawr, Pa.

Dam, Bright Eyes 4th of Knockdon, "10517;"
 sire, Yellow Squire of Castlehill, "2912."

18827 Carmina, A. R. Record, pounds of milk..... 11,317
 Calved February 5, 1902. pounds of fat..... 444.53
 Bred by George H. Yeaton, Dover, N. H.; pounds of butter..... 519
 owned by New Hampshire College of Agri-
 culture, Durham, N. H.

Dam, Carina, 16562; sire, Solitaire, 6548.

15096 Queen of Barclay, A. R. 148 (2d entry)..... Record, pounds of milk..... 11,258
 Calved May 5, 1898. pounds of fat..... 414.86
 Bred by James Robb, Hindsward, Scotland; pounds of butter..... 484
 owned by George H. McFadden, Bryn
 Mawr, Pa.

Dam, Mosshawk of Hindsward, 15095; sire,
 Lord Nelson of Ardgowan, "3607."

12933 Kitty K, A. R. 139.....
 Calved May 30, 1894.
 Bred by W. G. Tucker, Elm Valley, N. Y.;
 owned by John R. Valentine, Bryn Mawr, Pa.
 Dam, Kalley, 12660; sire, Jacob, 5602.

Record, pounds of milk..... 11,115
 pounds of fat..... 439
 pounds of butter..... 512

15959 Nino Douglas, A. R. 202.....
 Calved July 16, 1899.
 Bred by J. F. Converse, Woodville, N. Y.;
 owned by J. W. Clise, Redmond, Wash.
 Dam, Inthe, 10746; sire, Lord Douglas I of
 Maple Grove, 6376.

Record, pounds of milk..... 11,115
 pounds of fat..... 431.47
 pounds of butter..... 503

19050 Anna H. Douglas, A. R.....
 Calved January 6, 1903.
 Bred by J. F. Converse, Woodville, N. Y.;
 owned by Missouri Agricultural College,
 Columbia, Mo.
 Dam, Anna Hamilton, 16444; sire, Lord Doug-
 las I of Maple Grove, 6376.

Record, pounds of milk..... 10,922
 pounds of fat..... 421.90
 pounds of butter..... 492

21705 Netherhall Jean 3d, A. R. 201..... Record, pounds of milk..... 10,920
 Calved February, 1902. 433.33
 Bred by Thomas Scott, Netherhall, Sandilands, pounds of fat.....
 Scotland; owned by J. W. Clise, Redmond, pounds of butter..... 506
 Wash.

Dam, Jean 2d of Netherhall, "10686;" sire,
 General Macdonald of Hillhouse, "4602."

15913 Keepsake, A. R. 140..... Record, pounds of milk..... 10,868
 Calved September 30, 1898. 439.71 ♀
 Bred by W. G. Tucker, Elm Valley, N. Y.; pounds of fat.....
 owned by John R. Valentine, Bryn Mawr, Pa. pounds of butter..... 513
 Dam, Kalley, 12660; sire, Major Ayer, 5533.

22652 Drummond's Gem, A. R. 187 (2d entry)..... Record, pounds of milk..... 10,841
 Calved February 20, 1904. 388.60
 Bred and owned by L. A. Reymann, Wheeling, pounds of fat.....
 W. Va. pounds of butter..... 453
 Dam, Netherwood Drummond, 16739; sire,
 Nox'emall, 7312.

10,701
433.71
506

Record, pounds of milk.....
pounds of fat.....
pounds of butter.....

12680 Durwood, A. R. 5.....
Calved September 13, 1893.
Bred by Charles H. Hayes & Sons, Portsmouth,
N. H.; owned by E. J. Fletcher, Greenfield,
N. H.
Dam, Durthar, 9191; sire, Linwood, 4213.

10,701
399.32
466

Record, pounds of milk.....
pounds of fat.....
pounds of butter.....

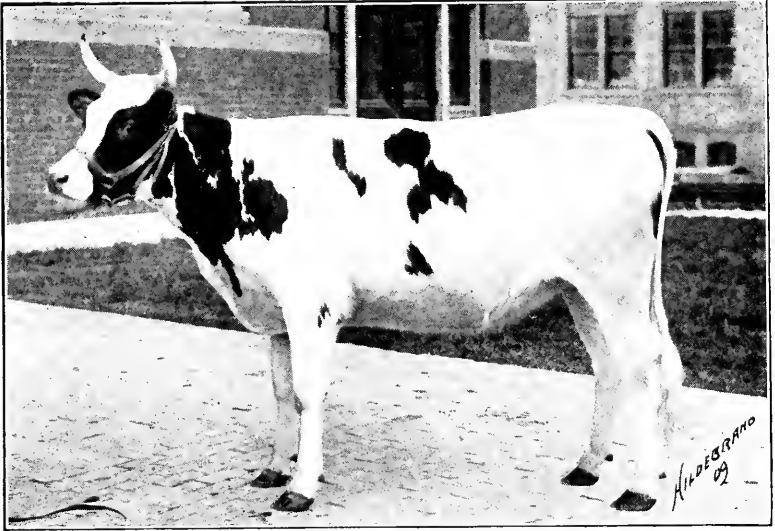
17432 Megsy Tipperlin, A. R. 76 (2d entry).....
Calved March 19, 1901.
Bred by W. V. Probasco, Cream Ridge, N. J.;
owned by John R. Valentine, Bryn Mawr,
Pa.
Dam, Roma, 14197; sire, Duke of Ayer, 6180.

10,623
422.33
493

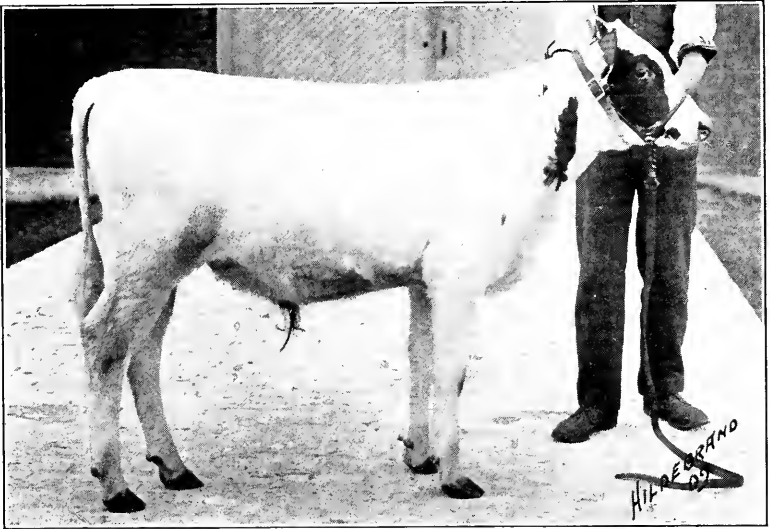
Record, pounds of milk.....
pounds of fat.....
pounds of butter.....

22213 Babe's Duchess, A. R. 102 (2d entry).....
Calved November 28, 1902.
Bred and owned by L. A. Reymann, Wheeling,
W. Va.
Dam, Baby Jewess, 14868; sire, Nox'emall,
7312.

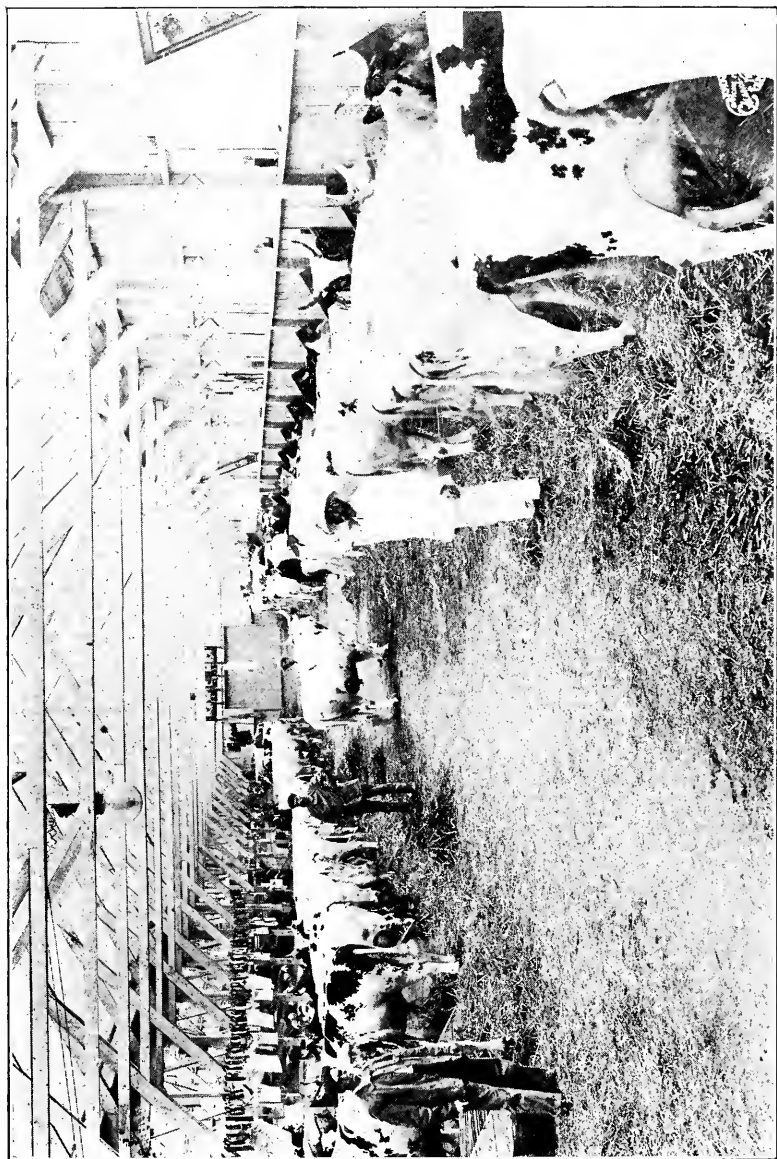
17901	Jane of Bryn Mawr, A. R..... Calved September 26, 1902. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Daisy of Rosemont, 17011; sire, Geo. of Rosemont, 7670.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,573 443.13 517
18963	Elizabeth Melrose, A. R..... Calved October 3, 1902. Bred by Thos. Turnbull, Jr., Casanova, Va.; owned by John R. Valentine, Bryn Mawr, Pa. Dam, Alvesta, 14540; sire, Clover Leaf, 6710.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,571 399.41 466
23855	Skaith Brown Rose, A. R. 203..... Calved April, 1901. Bred by Thomas McCreath, Skaith, Newton Stewart, Scotland; owned by J. W. Clise, Redmond, Wash. Dam, Brown Rose of Skaith, "App. Vol. 23, p. 294;" sire, General of Carnigillan, "4034."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,564 392.46 458



MOSSHAWK OF HILLVIEW, 25739.
First and Junior Champion, Illinois State Fair, 1909.



ARKCOLL'S MAJESTIC, 11673.
First Prize, Junior Bull Calf, National Dairy Show, 1909.



AYRSHIRES IN BARN AT ALASKA-YUKON-PACIFIC EXPOSITION, SEATTLE, 1909.

20950 Dewdrop of Spring Hill, A. R. 208..... Record, pounds of milk..... 10,554
 Calved August 27, 1899. pounds of fat..... 391.74
 Bred by Robert Hunter & Sons, Maxville, Ont.; pounds of butter..... 457
 owned by Percival Roberts, Jr., Narberth, Pa.
 Dam, Snowdrop of Lancaster, 18009; sire,
 Rapid's Wonder, 8295.

19898 Enid S, A. R. Record, pounds of milk..... 10,539
 Calved May 2, 1904. pounds of fat..... 400.64
 Bred by L. D. Stowell, Black Creek, N. Y.; pounds of butter..... 474
 owned by Friend's Asylum, Frankford, Pa.
 Dam, Jennie Lind S, 16409; sire, Vicar of
 Wakefield, 7410.

21687 Auchenbrain White Beauty 2d..... Record, pounds of milk..... 10,494
 Calved April, 1902. pounds of fat..... 438.31
 Bred by Robert Wallace, Auchenbrain, Mauch- pounds of butter..... 511
 line, Scotland; owned by Percival Roberts,
 Jr., Narberth, Pa.
 Dam, White Beauty of Auchenbrain, "15011,"
 sire, Rising Star of Auchenbrain, "4583."

16154	Vera, A. R.	Record, pounds of milk.....	10,473
	Calved September 21, 1900.	pounds of fat.....	391.44
	Bred by George H. Yeaton, Dover, N. H.;	pounds of butter.....	457
	owned by George F. Stone, Littleton, N. H.		
	Dam, Uarda, 15135; sire, Solitaire, 6548.		
20970	Primrose, A. R. 209.	Record, pounds of milk.....	10,410
	Calved March 19, 1899.	pounds of fat.....	386.04
	Bred by Alex. Hume & Co., Menie, Ont.;	pounds of butter.....	450
	owned by Percival Roberts, Jr., Narberth, Pa.		
	Dam, Bell, 20969; sire, White Chief of Ste.		
	Anne's, 6342.		
13984	Miss Olga, A. R. 153.	Record, pounds of milk.....	10,200
	Calved March 24, 1896.	pounds of fat.....	386.57
	Bred and owned by George H. Yeaton, Dover,	pounds of butter.....	451
	N. H.		
	Dam, Olah, 11471; sire, Lord Mar, 5134.		

17896 Otero, A. R..... Record, pounds of milk..... 10,181
 Calved March 7, 1902. pounds of fat..... 440.26
 Bred and owned by George H. McFadden, pounds of butter..... 514
 Bryn Mawr, Pa.

Dam, Queen of Barclay, 15096; sire, Dewey
 Auchenbrain, 6708.

19002 Eugenie S, A. R..... Record, pounds of milk..... 10,016
 Calved December 3, 1903. pounds of fat..... 325.68
 Bred by L. D. Stowell, Black Creek, N. Y.; pounds of butter..... 380
 owned by Friend's Asylum, Frankford, Pa.

Dam, Elsie Maid, 14915; sire, Vicar of Wake-
 field, 7410.

14539 Rena Ross, A. R. 141..... Record, pounds of milk..... 10,065
 Calved February 28, 1898. pounds of fat..... 439
 Bred by W. G. Tucker, Elm Valley, N. Y.; pounds of butter..... 512
 owned by John R. Valentine, Bryn Mawr, Pa.

Dam, Rena Webb, 12479; sire, Major Ayer,
 5533.

20952	Wee Jenny of Holehouse, A. R. 217. Calved April, 1900. Bred by Robert Woodburn Holehouse, Galston, Scotland; owned by Percival Roberts, Jr., Narberth, Pa. Dam, Jenny 2d of Holehouse, "12224," sire, Prince Robert of Holehouse, "4021."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,023 444.81 519
12351	Biona, A. R. 154..... Calved October 15, 1892. Bred and owned by George H. Yeaton, Dover, N. H. Dam, Annie Bert, 9670; sire, Calmar, 4692.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	10,012 337.71 394
14538	Ithan, A. R. 142..... Calved January 28, 1898. Bred by W. G. Tucker, Elm Valley, N. Y.; owned by John R. Valentine, Bryn Mawr, Pa. Dam, Iola Webb, 12477; sire, Major Ayer, 5533.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,975 390.85 463

Record, pounds of milk..... 9,924
 pounds of fat..... 440.60
 pounds of butter..... 514

12039 Miss Ollie, A. R. 4.....
 Calved March 11, 1893.
 Bred and owned by L. S. Drew, South Burling-
 ton, Vt.
 Dam, Printsteps 2d, 8410; sire, Invermore,
 3965.

Record, pounds of milk..... 9,913
 pounds of fat..... 356.55
 pounds of butter..... 416

18645 Rose Pender, A. R. 117.....
 Calved January 9, 1899.
 Bred by H. S. Ayer, Columbus, Pa.; owned by
 Howard Cook, Beloit, O.
 Dam, Princess Beatrice, 9667; Sire, Colonel
 Crawford, 6997.

Record, pounds of milk..... 9,906
 pounds of fat..... 361.71
 pounds of butter..... 422

12094 Acelista, A. R. 8.....
 Calved September 20, 1894.
 Bred and owned by C. M. Winslow, Brandon,
 Vt.
 Dam, Acme 5th, 10342; sire, Nonpareil, 4535.

18337	Queen Bertha, A. R..... Calved March 22, 1902. Bred by W. H. Norton, Wellsville, N. Y.; owned by Friend's Asylum, Frankford, Pa. Dam, Bell Rose, 14410; sire, Americus, 6199.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,903 341.25 398
15578	Flora 4th of Bonshaw, A. R. 143..... Calved April, 1896. Bred by Robert M. Reid, Bonshaw, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Flora 1st of Bonshaw, "12674," sire, Royal Kyle of Bonshaw, "3119."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,874 373 435
14030	Hetty Ayer, A. R. 125..... Calved March 11, 1897. Bred by W. G. Tucker, Elm Valley, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Holly, 12931; sire, Major Ayer, 5533.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,858 474.85 554

16289 Fern Ayer, A. R. 134.....
 Calved February 10, 1899.
 Bred by W. G. Tucker, Elm Valley, N. Y.;
 owned by John R. Valentine, Bryn Mawr, Pa.
 Dam, Favorite Princess, 13990; sire, Major
 Ayer, 5533.

Record, pounds of milk.....
 pounds of fat.....
 pounds of butter.....

9,847
 380.16
 444

17461 Ada Rome, A. R. 118.....
 Calved May 21, 1900.
 Bred and owned by J. F. Butterfield, South
 Montrose, Pa.
 Dam, Ada Alexis, 14675; sire, Duke of Rome,
 6067.

Record, pounds of milk.....
 pounds of fat.....
 pounds of butter.....

9,835
 351.43
 410

16466 Mary A. M. 2d, A. R. 130.....
 Calved April 15, 1898.
 Bred and owned by A. B. McConnell, Welling-
 ton, O.
 Dam, Mary A. M., 12503; sire, Jo Smith, 7398.

Record, pounds of milk.....
 pounds of fat.....
 pounds of butter.....

9,782
 343
 400

18664	<p>Cambric, A. R. 213..... Calved December 20, 1902. Bred by Charles H. Hayes & Sons, Portsmouth, N. H.; owned by Charles J. Bell, Hollis, N. H. Dam, Challie, 16218; sire, Quampegan, 7259.</p>	<p>Record, pounds of milk..... pounds of fat..... pounds of butter.....</p>	<p>9,745 341.29 398</p>
16051	<p>Molly Fryer, A. R. 120..... Calved June 20, 1897. Bred and owned by Henry Dorrance, Plainfield, Conn. Dam, Dolly Fryer, 13012; sire, Prince Lion, 5624.</p>	<p>Record, pounds of milk..... pounds of fat..... pounds of butter.....</p>	<p>9,741 388.30 453</p>
10777	<p>Atalanta, A. R. 2..... Calved December 6, 1889. Bred by F. W. Brown, Rutland, Vt.; owned by Vermont Experiment Station, Burlington, Vt. Dam, Atla, 8527; sire, Albermarle, 4328.</p>	<p>Record, pounds of milk..... pounds of fat..... pounds of butter.....</p>	<p>9,740 367.71 429</p>

16020	Oshawa Lady, A. R. 136..... Calved March 31, 1898. Bred by Estate of Thomas Guy, Oshawa, Ont.; owned by John R. Valentine, Bryn Mawr, Pa. Dam, Oshawa Lass 7th, 14239; sire, Eva's Heir, 7197.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,695 346.28 404
15874	Miss Mabel D, A. R. 132..... Calved May 24, 1894. Bred by Oliver Smith & Son, Chateaugay, N. Y.; owned by C. M. Winslow, Brandon, Vt.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,693 349.71 408
12773	Dam, Miss Mabel 2d, 11322; sire, Beppo. 4678. Iola Lorne, A. R. 17 (2d entry)..... Calved October 30, 1894. Bred and owned by C. M. Winslow, Brandon, Vt. Dam, Atalanta, 10777; sire, Nonpareil, 4535.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,675 337.71 391

17018	Friskey of Bonshaw, A. R. 144 (2d entry) Calved January 16, 1901. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Cherry of Bonshaw, 15582; sire, Prince of Barclay, 6711.	Record, pounds of milk pounds of fat pounds of butter	9,645 396.88 403
13715	Crimsonia 2d, A. R. 129 Calved August 24, 1898. Bred by Anson C. Piper, South Acton, Mass.; owned by George F. Stone, Littleton, Mass. Dam, Crimsonia, 12341; sire, Vinewood Drum- mond, 5707.	Record, pounds of milk pounds of fat pounds of butter	9,645 358.57 417
16286	Lady Sam, A. R. 121 Calved July 6, 1899. Bred by Edwin G. Palmer, Plainfield, Conn.; owned by Henry Dorrance, Plainfield, Conn. Dam, Nettie Lion, 14856; sire, Spotted Sam, 6565.	Record, pounds of milk pounds of fat pounds of butter	9,530 349 407

17013	Maggie of Radnor, A. R. 145..... Calved February 26, 1900. Bred by Robert M. Reid, Bonshaw, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Flora 4th of Bonshaw, 15578; sire, Shamrock of Bonshaw, "4200."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,468 406.33 474.
18000	Lady Belle of Spring Hill, A. R. 211..... Calved June 7, 1902. Bred by Robert Hunter & Sons, Maxville, Ont.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Brownie of Spring Hill, 17999; sire, Glenora Mint, 8283.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,466 362.67 423
22454	Queene Lill 2d, A. R..... Calved December, 1900. Bred by Andy Holt, South Lyndebero, N. H.; owned by E. J. Fletcher, Greenfield, N. H. Dam, Queene Lill, 15713; sire, Black Douglas of Lyndebero, 7346.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,459 332.24 388

16533 Princess Beatrice 2d, A. R. 205..... Record, pounds of milk..... 9,445
 Calved June 4, 1899. 372.79
 Bred and owned by John R. Valentine, Bryn Mawr, Pa. 435
 Dam, Princess Beatrice, 14075; sire, Tam Oshanta, 6705.

16204 Nancy Almond, A. R..... Record, pounds of milk..... 9,428
 Calved January 6, 1900. 406.73
 Bred by W. G. Tucker, Elm Valley, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. 475
 Dam, Nellie Dunken, 14407; sire, Major Ayer, 5533.

16152 Avis, A. R. 128..... Record, pounds of milk..... 9,424
 Calved September 5, 1900. 324
 Bred by George H. Yeaton, Dover, N. H.; owned by George F. Stone, Littleton, Mass. 378
 Dam, Yensie's Best, 15138; sire, Solitaire, 6548.

17256	Lady Bell 4th, A. R. 91 (2d entry)..... Calved July 8, 1901. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Lady Bell, 14243; sire, Oshawa of Highland, 7225.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,468 411.59 481
20922	May Mitchell, A. R. 156..... Calved January 12, 1898. Bred by Wm. Stewart, Jr., & Son, Menie, Ont.; owned by Percival Roberts, Jr., Narberth, Pa. Dam, White Floss of Menie, 19539; sire, Douglas of Loudoun, 6762.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,419 355.99 415
14705	Belle Nixon, A. R. 9..... Calved June 1, 1897. Bred by E. B. Sherman, Harrisville, R. I.; owned by E. J. Fletcher, Greenfield, N. H. Dam, Mabel Nixon, 11052; sire, Hester Boy, 5657.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,383 360.85 421

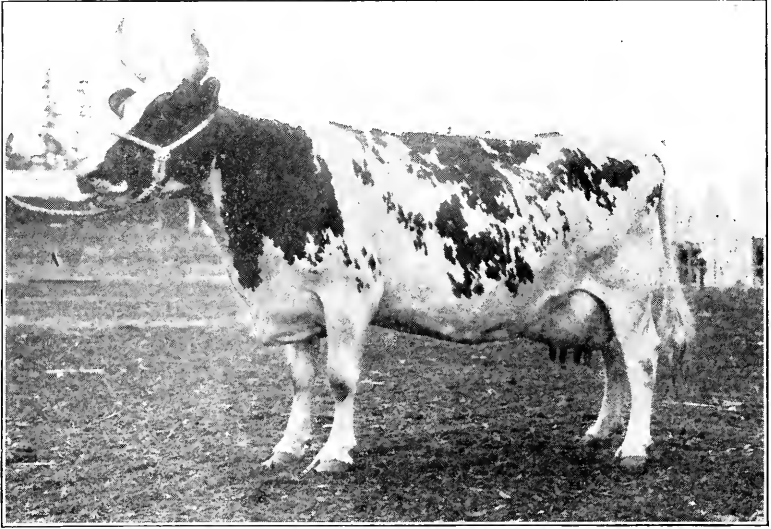
12479	Rena Webb, A. R. 135..... Calved September 25, 1892. Bred by W. G. Tucker, Elm Valley, N. Y.; owned by John R. Valentine, Bryn Mawr, Pa. Dam, Rena Clyde, 10051; sire, Sir Webb, 4658.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,366 364.28 425
18949	Addington Queen, A. R. 158..... Calved September 4, 1899. Bred by M. N. Empey, Napanee, Ont.; owned by L. A. Reymann, Wheeling, W. Va. Dam, Lenox Lass, 18931; sire, Dean Wal- bridge, 8725.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,348 390.85 456
17861	Polly of Mauchlin, A. R. 123..... Calved May, 1897. Bred by Robert Wallace, Auchenbrain, Mauch- line, Scotland; owned by Connecticut Agri- cultural College, Storrs, Conn. Dam, Beauty 7th of Auchenbrain, "9991," sire, Sir Thomas of Auchenbrain, "2760."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,321 364.87 425

13473 Durline, A. R. 15..... Record, pounds of milk..... 9,317
 Calved December 8, 1895. pounds of fat..... 345.43
 Bred by Charles H. Hayes & Sons, Ports- pounds of butter..... 403
 mouth, N. H.; owned by James J. Hill, St.
 Paul, Minn.
 Dam, Durthar, 9194; sire, Linwood, 4213.

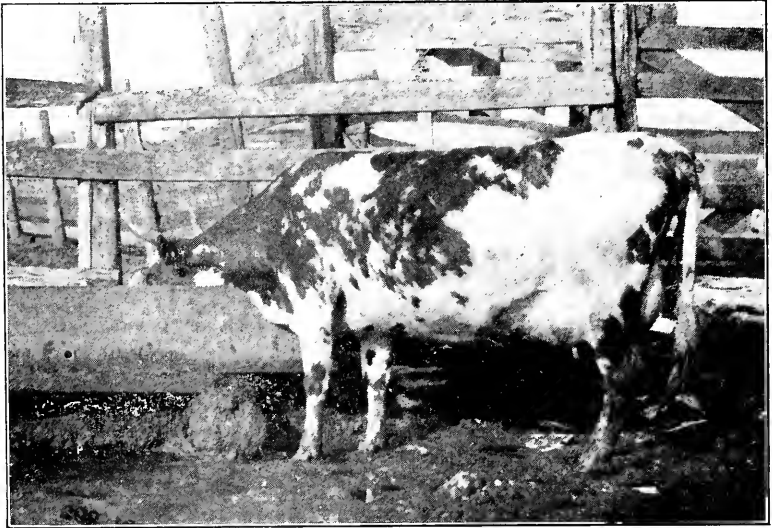
12357 Lukolela, A. R. 12..... Record, pounds of milk..... 9,299
 Calved June 18, 1893. pounds of fat..... 329.14
 Bred and owned by George H. Yeaton, Dover, pounds of butter..... 384
 N. H.
 Dam, Lady Fox, 9669; sire, Calmar, 4692.

24669 Oldhall Ladysmith 4th, A. R. Record, pounds of milk..... 9,293
 Calved March, 1904. pounds of fat..... 451.20
 Bred by Thomas Goldie, Oldhall, Irvine, Scot- pounds of butter..... 526
 land; owned by Geo. H. McFadden, Bryn
 Mawr, Pa.
 Dam, Nancy 2d of Oldhall, "11222;" sire Old-
 hall Forest Chief, "5543."

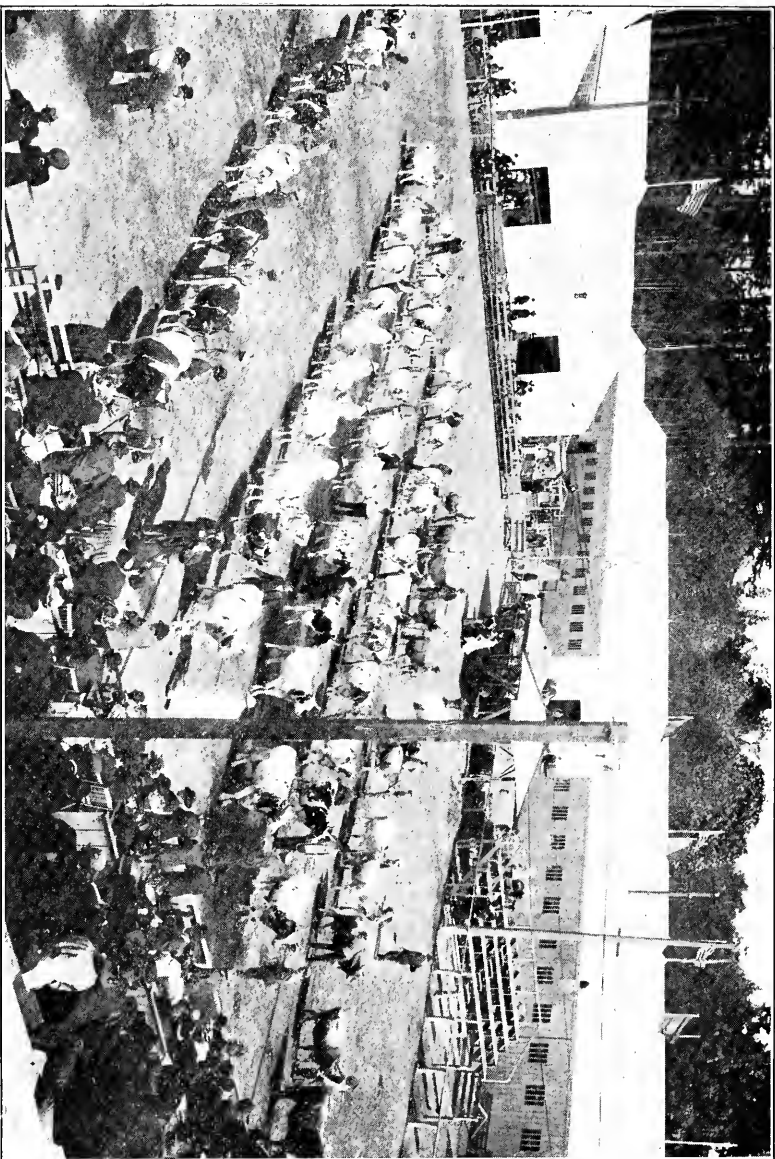
16189	Lillian Drummond 4th, A. R. 124..... Calved May 9, 1900. Bred and owned by L. C. Spalding & Son, Poultney, Vt. Dam, Lillian Drummond, 9403; sire Major Acme, 6517.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,239 309.43 431
14952	Mysie of Barcheskie, A. R. 16..... Calved April, 1895. Bred by John Gifford, Ingleston, Twynholm, Scotland; owned by W. V. Probasco, Cream Ridge, N. J. Dam, Flora 2d of Kirkchrist, "6882;" sire, Barr of Kirkchrist, "2508."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,228 336.85 393
18060	Sterling Silver, A. R. 206..... Calved December 21, 1901. Bred by Estate of W. E. H. Massey, Coleman, Ont.; owned by Percival Roberts, Jr., Nar- berth, Pa. Dam, Lady Sterling 3d, 16212; sire, Silver Prince of St. Louis, 7743.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,192 406.37 474



HEATHFLOWER 1st OF BARCHESKIE, 21701.
Grand Champion at Seattle, 1909.



20511, ROSE EATON, A. R. 80.
Two Year Old Record, 7,783 lbs. Milk, 324 lbs. Butter.



SWEEPSTAKES, DAIRY BREEDS.

Ayrshire, Jersey and Holstein, showing Ayrshires First and Second, at Seattle, 1909.

16022	Hillside of Toledo, A. R. 157..... Calved December 17, 1898. Bred by J. H. Crane & Sons, Toledo, Ohio; owned by L. A. Reymann, Wheeling, W. Va. Dam, Hillside Maid 2d, 9851; sire, Refuge, 5341.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,179 330 385
15996	Queen of Barclay, A. R. 148..... Calved May 5, 1898. Bred by James Robb, Hindsward, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Mosshawk of Hindsward, 15095; sire, Lord Nelson of Ardgowan, "3607."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,172 342 399
17011	Daisy of Rosemont, A. R. 147..... Calved February 13, 1900. Bred by Robert Woodburn, Holehouse, Scot- land; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Lady Stair of Holehouse, 15574; sire, Traveller's Heir, "2903."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,164 340.30 397

11469	Xoa, A. R. 11..... Calved August 28, 1891. Bred and owned by George H. Yeaton, Dover, N. H. Dam, Lady Fox, 9669; sire, Jasper, 4841.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,090 331.71 387
14554	Inez Douglas, A. R. 14..... Calved March 4, 1897. Bred and owned by Howard Cook, Beloit, O. Dam, Iona Douglas, 13649; sire, Queen's Boy, 5698.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,089 426 497
15579	Lily 4th of Fairfield Mains, A. R. 149..... Calved February, 1897. Bred by Thomas Howie, Monkton, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Lily 1st of Fairfield Mains, "12654," sire, Baron's Heir of Fairfield Mains, "3837."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	9,054 343 400

16538 Clarissa Lorain, A. R. 131..... Record, pounds of milk..... 9,051
 Calved March 17, 1897..... 329.14
 Bred and owned by A. B. McConnell, Wellington, Ohio..... 384
 Dam, Clara Lorain 2d, 16465; sire, Jo Smith, 7398.

17454 Anna Webb, A. R..... Record, pounds of milk..... 9,048
 Calved May 25, 1899..... 342.50
 Bred and owned by J. F. Butterfield, South Montrose, Pa..... 400
 Dam, Amanda Alexis, 14676; sire, Dandy Webb, 5462.

21703 Woodside May, A. R. 199..... Record, pounds of milk..... 9,042
 Calved July, 1898..... 377.31
 Bred by Robert Ness, Howick, Que.; owned by J. W. Clise, Redmond, Wash..... 440
 Dam, May Flower, 14873; sire, Harcourt of B, 7272.

21427 Finlayston Cherry 6th, A. R. 155..... Record, pounds of milk..... 8,903
 Calved March, 1901. pounds of fat..... 336
 Bred by Andrew Wilson, Finlayston, Ochiltree, pounds of butter..... 392
 Scotland; owned by George H. McFadden,
 Bryn Mawr, Pa.

Dam, Cherry 2d of Finlayston, "14552;" sire,
 Burnock, King of Finlayston, "4573."

12773 Iola Lorne, A. R. 17..... Record, pounds of milk..... 8,806
 Calved October 30, 1894. pounds of fat..... 335.14
 Bred and owned by C. M. Winslow, Brandon, pounds of butter..... 391
 Vt.

Dam, Atalanta, 10777; sire, Nonpareil, 4535.

9581 Nancy B, A. R. 3..... Record, pounds of milk..... 8,782
 Calved April 1, 1887. pounds of fat..... 356.56
 Bred by L. S. Drew, South Burlington, Vt.; pounds of butter..... 416
 owned by Vermont Experiment Station, Bur-
 lington, Vt.

Dam, Miss Cornelia 3d, 8934; sire, Buffalo
 Bill, 4099.

17018	Friskey of Bonshaw, A. R. 144..... Calved January 16, 1901. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Cherry of Bonshaw, 15582; sire, Prince of Barclay, 6711.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,767 373.71 436
13032	Himona, A. R. 7..... Calved January 11, 1894. Bred and owned by E. J. Fletcher, Greenfield, N. H. Dam, Lady Cremona, 8488; sire, Hiro, 4999.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,765 376.30 439
17874	Netherwood Empress, A. R..... Calved September 20, 1900. Bred by William Lindsay, Plainfield, N. J.; owned by L. A. Reynmann, Wheeling, W. Va. Dam, Touts, 17867; sire, Gert's Boy, 7621.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,762 390.50 456

15262	Bertha M, A. R. 126..... Calved October 6, 1897. Bred by Ira W. Jones, Alfred, N. Y.; owned by S. S. Karr & Sons, Almond, N. Y. Dam, Nellie Clyde, 12723; sire, Major Ayer, 5533.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,754 366 427
19216	Brown Eyes of Knockdon, A. R. 150..... Calved April 27, 1899. Bred by Alexander Cross, Knockdon, Scot- land; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Bright Eyes 4th of Knockdon, "10517;" sire, Yellow Squire of Castlehill, "2912."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,724 354 413
20322	Sly Cordelia 2d, A. R..... Calved September 8, 1902. Bred by R. J. & W. J. Munce, Washington, Pa.; owned by L. A. Reynmann, Wheeling, W. Va. Dam, Sly Cordelia, 18018; sire, Gold Finch, 8446.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,711 355.25 414

13606	Cad's Beauty, A. R. 6..... Calved March 1, 1895. Bred by E. B. Sherman, Harrisville, R. I.; owned by E. J. Fletcher, Greenfield, N. H. Dam, Nora 2d's Beauty, 12751; sire, Cad's Charley, 5545.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,702 382.30 446
21704	Lady Bruce, A. R. 200..... Calved September 22, 1899. Bred by R. R. Ness, Howick, Que.; owned by J. W. Clise, Redmond, Wash. Dam, Minnie of Burnside, 18058; sire, Gold- finder, 7535.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,648 326.46 381
13318	Alcyone of the Plain, A. R. 122..... Calved June 24, 1894. Bred by James E. Palmer, Stonington, Conn.; owned by Connecticut Agricultural College, Storrs, Conn. Dam, Isabell D, 13316; sire, Pekin, 4955.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,646 322.91 377

15564 Ruby Russell, A. R. 119.....
 Calved March 17, 1898.
 Bred by Edward G. Palmer, Plainfield, Conn.;
 owned by Henry Dorrance, Plainfield, Conn.
 Dam, Josie Russell, 11227; sire, Hillside Boy,
 6122.

Record, pounds of milk..... 8,643
 pounds of fat..... 327.43
 pounds of butter..... 382

11476 Roanette, A. R. 10.....
 Calved February 22, 1891.
 Bred and owned by L. S. Drew, South Bur-
 lington, Vt.
 Dam, Pink Conley, 9583; sire, Tascott, 4335.

Record, pounds of milk..... 8,638
 pounds of fat..... 331.71
 pounds of butter..... 387

16535 Lady Bell 2d, A. R. 137.....
 Calved August 19, 1899.
 Bred and owned by John R. Valentine, Bryn
 Mawr, Pa.
 Dam, Lady Bell, 14243; sire, Tam Oshanta,
 6705.

Record, pounds of milk..... 8,628
 pounds of fat..... 356.57
 pounds of butter..... 416

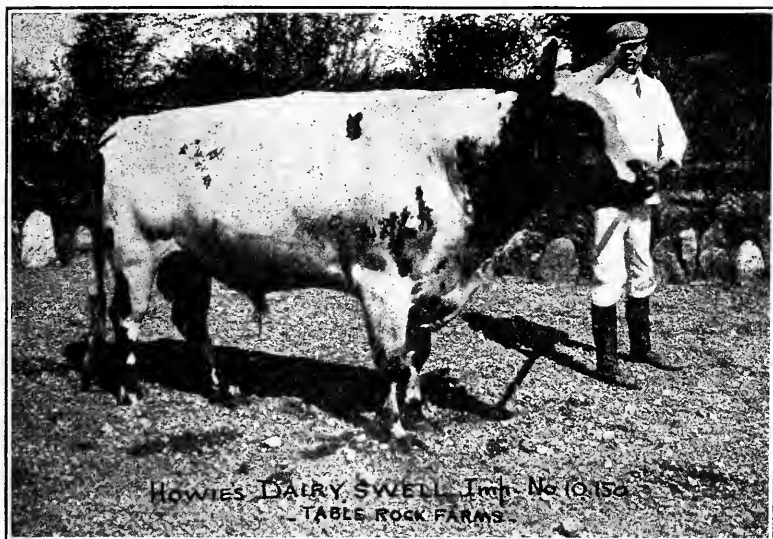
17533	Miss Lulian of Barcheskie, A. R. Calved September, 1898. Bred by R. R. Ness, Howick, Que.; owned by J. A. Ness, Auburn, Me. Dam, Luna 2d, 17530; sire, Lockerby Chief, 6399.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,616 334.44 391
16534	Oshawa Lass of Highland, A. R. 138. Calved August 1, 1899. Bred and owned by John R. Valentine, Bryn Mawr, Pa. Dam, Oshawa Lass 6th, 14238; sire, Tam Oshanta, 6705.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,561 324 378
15105	Lady Browning, A. R. 151. Calved November 3, 1898. Bred and owned by George H. McFadden, Bryn Mawr, Pa. Dam, Kirsty 7th of Auchenbrain, 15093; sire, Royalty of Monkland, 6704.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,531 321.43 375

21628	Clockston Bella 2d, A. R. 152..... Calved May, 1901. Bred by Robert Meikle, Clockston, Tarbolton, Scotland; owned by George H. McFadden, Bryn Mawr, Pa. Dam, Bella of Clockston, "10248;" sire, Ailsa of Kirkchrist, "3538."	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,509 353.14 392
11470	Yucca, A. R. 13..... Calved October 18, 1891. Bred and owned by George H. Yeaton, Dover, N. H. Dam, Yensie, 10663; sire, Jerry Grant, 5156.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,502 323.14 377
17457	Ruth Webb A. R..... Calved June 10, 1899. Bred and owned by J. F. Butterfield, South Montrose, Pa. Dam, Mary Webb, 14677; sire, Dandy Webb, 5462.	Record, pounds of milk..... pounds of fat..... pounds of butter.....	8,500 342.74 400

NEW YORK

TABLE ROCK FARMS

AYRSHIRE CATTLE



A carefully selected herd composed of individuals
of merit of the Scotch Ayrshire type

Herd headed by

HOWIE'S DAIRY SWELL (Imp.) No. 10150

LORD STERLING No. 11501

Address:

TABLE ROCK FARMS
STERLINGTON, NEW YORK

Sterlington is on the Erie Railroad 34 miles from New York City

NEW YORK

CLOVER HOME FARM

Gouverneur, New York

REGISTERED AYRSHIRES

The home of over sixty head of Ayrshires that have been bred and fed for profitable dairy results.

We breed for size and all dairy qualities and haven't a short-teated cow in the herd.

Heading the herd, we have —

Jack MacDonald No. 10259 a grand-son of the imported **Denty 9th** of Auchenbrain. Official record 11,757 lbs. milk, 528 lbs. butter.

Also **Pre-Eminent No. 11637** a great grand-son of the famous butter cow — **Miss Ollie**. This youngster is of our own breeding and is a grand type of dairy sire.

We offer our best calves of both sexes and a few cows and heifers.

HERD TUBERCULIN TESTED

GEORGE E. PIKE

GOUVERNEUR, :- :- NEW YORK

Long Distance Bell Telephone. Reference, Bank of Gouverneur

CONNECTICUT AND NEW YORK

AYRSHIRES FOR BUSINESS

BULLS FROM ADVANCED REGISTRY STOCK FOR SALE

Our herd is now headed by Garclaugh's Bloomer's Monarch No. 11664, whose Dam, at 12 years of age was the high cow in the herd which won 1st prize in the Ayrshire Home Dairy Test of 1909. Her A. R. record being milk 12,929 pounds, butter 575 pounds in one year.

She has been Champion Ayrshire cow of both Scotland and Canada.

WE OFFER NO BULLS FOR SALE EXCEPT FROM COWS WHICH HAVE QUALIFIED FOR ADVANCED REGISTRY.

HOME-HILL FARM

HENRY DORRANCE, PROP.

PLAINFIELD, CONNECTICUT

L. W. WHIPPLE & SON MALONE, NEW YORK

Are better than ever prepared to furnish the best that there is in Ayrshires. We have lately headed our herd with one of the best sires to be had in this country and no pains will be spared to keep our herd up to date in every particular.

Young stock for sale at very attractive prices, quality considered.

MEMBERS OF THE A. B. A.

AYRSHIRES

HERD ESTABLISHED IN 1871

All ages, both sexes, bred for practical dairy purposes, size, constitution, disposition, style, length of teat and deep and persistent milkers.

SINGLE ANIMALS OR CAR LOTS

F. D. & E. STOWELL,

Successors to L. D. Stowell

Black Creek,

Allegany County,

New York

NEW HAMPSHIRE

BELL FARM AYRSHIRES

Herd headed by Hollis Martinot 9045 Sire of Maria of B. F., Molly of B. F., and Madge of B. F., his sire the sire of Lady Burton, Esthon Douglas and Yucca Douglas.

Following records made by this herd:

NAME	REG. NO.	AGE	LBS. MILK	LBS. BUTTER
*Esthon Douglas	19153	4	10527	436
*Cambric	18664	5	9745	398
Queen E. S. F.	18237	6	9008	
Texola	17279	5	8322	
Belle of Charlotte	15944	7	7957	
Maybelle H.	17382	5	7578	
*Lady Burton	19507	3	9580	381
*Yucca Douglas	19504	3	9049	371
Esthon Douglas	19153	3	8296	
Lady Hollis, 2nd	19517	3	7908	
Josie of Bell Farm	25367	2	7788	
Curlie Bug	20106	2	7648	
Yucca Douglas	19504	2	7412	
*Jerusha of Bell Farm	21763	2	7388	328
*Maria of Bell Farm	23018	2	7238	307
*Molly of Bell Farm	23019	2	9038	383
*Madge of Bell Farm	23021	2	6343	295

(Uncompleted 3 months, 3 days more to go.)

* Official record.

Stock for sale, send for circulars. Visitors welcome.

CHAS. J. BELL, HOLLIS, N. H.

EDWIN P. LINDSAY, Prop.

THE UPLANDS

BRISTOL, NEW HAMPSHIRE

Breeders of High Class Ayrshire Cattle for
 Beauty and Utility Combined
 Young Bulls for Sale at Reasonable Prices

— Correspondence invited —

M. L. LOCKWOOD, Manager

MAINE

ALPINE STOCK FARM
AYRSHIRES

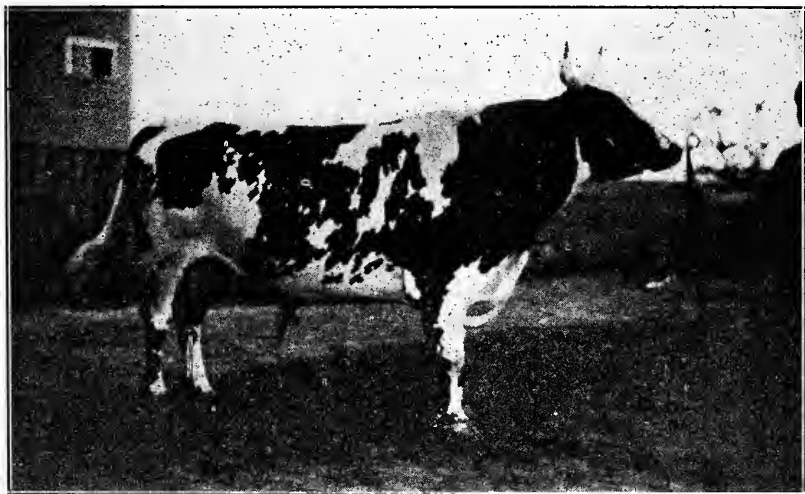
Our herd is now headed by Jerry Copestone No. 11337 Son of Imp. Barcheskie's Copestone. We are breeding for size, constitution, utility, shapely udders and long teats. We have a few young animals of both sexes for sale. Herd Tuberculin tested.

W. H. & G. H. DUNN

R. F. D. - - Norway, Maine, N. Y.

Maple Grove Ayrshires

AUBURN, ME. J. A. NESS, Prop.



BARCHESKIE'S COPESTONE No. 10034

Grand Champion Bull at Brockton Fair, 1907 and 1909, also winner of Blue Ribbon for Bull and 3 of the get, 1909.

Premiership honors won by the herd at Brockton 1909.

This herd produced the winner of the single cow dairy test at the Maine State Fair for pounds of milk and butter fat in one day, 1907. This herd won the single cow butter fat and the four cow butter fat test in one day Maine State Fair, 1909. The above evidence proves we have profitable dairy qualities as well as show-ring quality. Animals of all ages for sale. Herd Tuberculin tested every year. Calves Bovo-vaccinated.

THE LOTUS FIELDS AYRSHIRES

In this herd are the champion cows Croftjane Dinah 19th, Imp. "16418" No. 19550, first cow in the showing for the last six years, winning milk test over all breeds at Hartford, Conn., 1908.

Auchlochan Rosette Imp. "21547" No. 25604 winner of 1st prizes at Royal Show, England, Kilmarnochs and Lesmahagow, Scotland, 1908, 3rd prize at Brockton, Mass., 1909, when not in milk, and

JEAN ARMOUR No. 25487

"Canada's Greatest Cow"

winner of public milk test at Guelph, Canada, 1907, and at Ottawa, Canada, January, 1909.

Milking there in one day..... 65.5
Testing..... 4.6

At the head of this choice herd is the great bull, whose dam gave 78 pounds of milk in Scotland, 1908. Howie's Dairy King Imp. "5707" No. 9855, assisted by the two year old bull Bargenoch Bonnie Scotland Imp. "7270" No. 11974 undefeated in Scotland and Canada, winning grand championship at Toronto, Canada, 1909.

Young Stock for Sale

D. P. LE FEBVRE, MGR.

"The Lotus Fields"

West Berlin, - - Vermont

VERMONT

F. W. SPALDING

POULTNEY, VERMONT

We have Bred Ayrshires
since 1869.

If Interested, Write.

CEDAR FARM

CHARLOTTE, VERMONT

C. W. EMERSON, Proprietor :-: PETER ST. CLAIR, Manager

YOUNG STOCK FOR SALE OF BOTH SEXES

A CHOICE YEARLING BULL FIT FOR
IMMEDIATE SERVICE FOR SALE

Earl's Choice of Spring Hill No. 8289

This is one of the greatest breeding bulls of the Ayrshire breed - His daughters are proof of this statement.

They are the right type and have lots of individuality, they are workers, not boarders.

Note what they are doing.

Hazel of Sand Hill, a two year old, freshened September 1, 1909. She gave in the month of December, 1177.5 pounds milk, tested 5.7% fat and made 78.3 pounds butter.

Pansy Earl, another two year old, freshened the middle of December. She gave in the first fifteen days of January, 508 pounds of milk, tested 4.82% fat.

Matie of Sand Hill, a three year old, freshened September 24, 1909. She gave in month of December, 1432.4 pounds milk, tested 4.01% fat and made 67 pounds butter.

Bernice Clyde, a three year old, freshened November 25, 1909. She gave in month of December, 1386.5 pounds milk, tested 3.96% fat and made 64 pounds butter.

Mable of Sand Hill, 37 months old, dropped her second calf January 2, 1910. She gave from January 17-21, five days, 262.9 pounds milk.

Nellie Hebron, a four year old, freshened in October. She gave in month of November, 1377 pounds milk, tested 4.48% fat and made 71.97 pounds butter.

These heifers are all from Earl. Some other cows on test have given the following amounts in 1 month:

Rosanna Webb,	1450.8 pounds milk, test 4.26%
Midget of Sand Hill,	1517.1 pounds milk, test 3.77%
Jennie " " "	1555.2 pounds milk, test 3.55%
Rosie Hebron,	1266 pounds milk, test 5.35%
May Hebron,	1421 pounds milk, test 4.15%

We are testing 27 head in the two herds.

Write for these records when they are finished.

Earl's Choice of Spring Hill is at the head of both our herds. He is assisted by White Prince of Almond, No. 11015, a descendant of Major Ayer and Lessnessock King of Beauty.

We are located on the Erie R. R. about one mile from Almond station, and five miles from city of Hornell.

Herd Tuberculin Tested, January 22, 1910 Visitors Welcome

S. S. KARR & SON

M. J. KARR & SON

Allegany Co., Almond, N. Y.

NEW YORK

MAPLE ROW STOCK FARM AYRSHIRES

We have 75 head of Ayrshires of all ages and keep none that will not fill the bill in the dairy, as they must be milkers or leave the farm. :-: :-: :-: :-:

STOCK OF ALL AGES FOR SALE AT REASONABLE PRICES

Correspondence Solicited.

F. H. COOKINGHAM,
CHERRY CREEK, NEW YORK

ROCK RIDGE FARM AYRSHIRES

Penshurst Monarch No. 10656 from Penshurst Farm
Heads the Herd. Stock for Sale.

GEORGE L. RODGER
GOUVERNEUR, NEW YORK

ANIMALS MARKED FOR ALL TIME



Are you using Stevens' Marker
for your cattle?

Ayrshire breeders all over the country are using Our Marker, no mutilation or pain. Cannot be removed or tampered with. Makes identity of animals Absolutely certain from day of birth to day of death. Write for full particulars.

Live Stock Marker Co.,

Box 70 - - - - Geneva, N. Y.

Penshurst Farm

NARBERTH, PA.

Breeds AYRSHIRES of proper type with beautiful udders and long teats, that are large producers.

Head of Herd, Lessnessock Douglas Monarch 10020. Imported as best bull to be found in Scotland.

Sire, Howie's Merry Monarch "5664".

Dam, Kate 8th, of Netherall "11609". The best milker in the great Netherhall Herd.

Home of Auchenbrain's White Beauty 2d, 21687 Imported. Official record 13789 pounds milk, 661.117 pounds butter. Pronounced by many breeders the best cow of the breed. Her son is being used on our Heifers.

Garclaugh Bloomer 2d 20944, official record 12969 pounds milk, 573 pounds butter, won seven 1st prizes in Scotland and numerous 1st and Champion prizes in Canada.

Nine of our mature cows have given in official yearly test 102201.6 pounds milk 4664.267 pounds butter. Average 11355.7 pounds milk, 518¼ pounds butter.

BULLS TO HEAD HERDS A SPECIALTY

and when you get a bull from Penshurst you can be sure of getting the best.

HERD TUBERCULIN TESTED TWICE YEARLY
and Calves Vaccinated to immune against Tuberculosis by State Live Stock Sanitary Board.

N. B.—Narberth is seven miles west of Philadelphia on Main Line Pennsylvania Railroad.

Visitors Welcome to see our Ayrshires, our Flock of Imported Shropshires and the Grand Champion Prize Winning Berkshire Herd of 1909.

PENNSYLVANIA

“Highland Farm”

HOME OF THE CHAMPIONS

POLLY PUSS, 16296

	Milk	Butter
Champion Matured Cow, 1904-06	12632	584

CURFEW BELL, 21255

	Milk	Butter
Champion 3 year old, - -	11,181	588

RENA ROSS, 14539

	Milk	Butter
Champion Matured Cow, - -	15075	751

**Champion 5 Cows in Home Dairy Test
Winning French Cup**

Herd headed by

Imported Finlayston, 8882. Colonel Ayer, 7168.

Colonel Ayer has 12 daughters in A. R. and sired Curfew Bell the Champion 3 year old.

Imported Finlayston's first three daughters in milk have made as 2-year olds over 9,000 pounds of milk and 432 pounds of butter.

**Bull Calves from A. R. Cows for Foundation
Stock a Specialty.**

Farm Located on Main Line of Pennsylvania R. R. at Bryn Mawr.

JOHN R. VALENTINE,

Proprietor

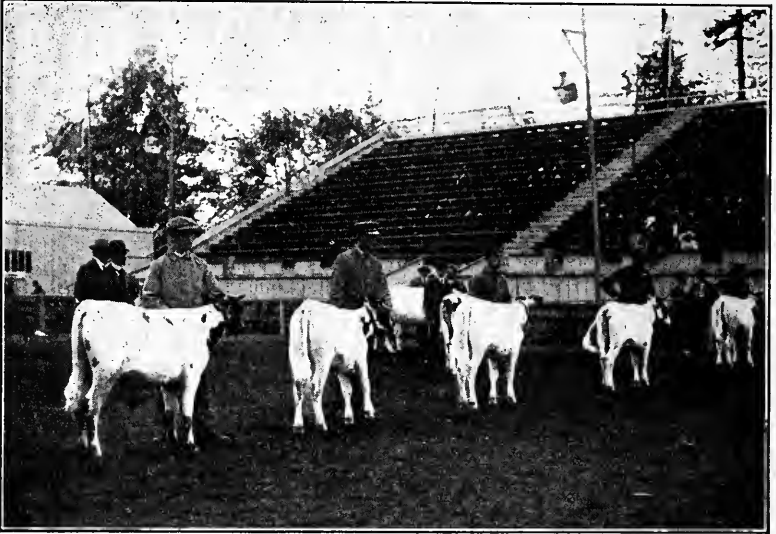
PHILIP C. PALMER,

Manager

Correspondence Solicited

PENNSYLVANIA

BARCLAY FARM AYRSHIRES



WINNERS AT SEATTLE

Barclay Farm is still importing and breeding high class Ayrshire cattle. The 50 yearly official records made by us average 9,276 pounds milk and 442 pounds butter, which proves beyond a doubt that the imported type are both heavy milkers and "high testers."

We breed such cows as Friskey of Bonshaw, Home dairy winner last year, and Bessie of Rosemont, champion four-year-old Ayrshire of the world, and many other large producers.

This herd is headed by the imported bull Moonstone of Drumsuie, No. 8228, one of the leading dairy sires of the breed, assisted by imported Howie's Majestic, No. 10,000, a splendid individual.

Herd tuberculin tested.

Stock for Sale at All Times.

J. W. OAKLEY, Manager

Telephone.

Bryn Mawr, Pa.

Farm located on Main Line Pennsylvania R. R., 11 miles from Philadelphia. Nearest station, Rosemont, Pa.

PENNSYLVANIA

“AYRMONT FARM”

AYRSHIRES

Herd Established 1869.

Tuberculosis Free.

The Bull Triune No. 11304 at the head of the herd.

His dam Polly Puss No. 16296, ex-Champion, and sister of RENA ROSS, No. 14539, now champion Ayrshire cow of the world, for milk and butter.

Imported Finlayston, No. 8882, the sire of Triune, his dam Finlayston Maggie 3rd, No. 19217 is ex-champion Ayrshire 4-year old cow, for milk and butter.

Our herd holds 2nd prize in 1907 and 1st prize in 1908 for best five cows in the Home Dairy Test for milk and butter.

We have put twelve cows and one bull in the Advanced Registry as follows:

Name Cows	No.	Age.	Lbs. Milk	Lbs. Butter
Ada Rome	17461	7 yrs.	10,400	424 (retest)
Anna Webb	17454	8 "	9,048	395
Ruth Webb	17457	8 "	8,500	399
Amelia Sebastian	18680	5 "	8,604	414
Pauline "	18687	4 "	10,745	422
Abbie "	20531	4 "	10,449	426
Bernice "	20528	4 "	9,467	415
Agnese "	18679	4 "	9,364	427
Polly "	20527	4 "	8,189	365
Hazel "	20530	4 "	7,825	390
Angeline "	16881	3 "	8,176	397
Chautauqua Fairy	19350	3 "	7,524	356

Bull, Sebastian No. 6269 with eight in Advanced Registry.

Ayrshires are in the foremost ranks to-day. Cannot supply the orders.

Bull calves for sale, from Triune and advanced registry dams Place your orders, and calves will be shipped as soon as old enough

— ADDRESS : —

DR. J. F. BUTTERFIELD,

SOUTH MONTROSE, - - PENNSYLVANIA.

NEW JERSEY

Loantaka Farms Morristown, - New Jersey

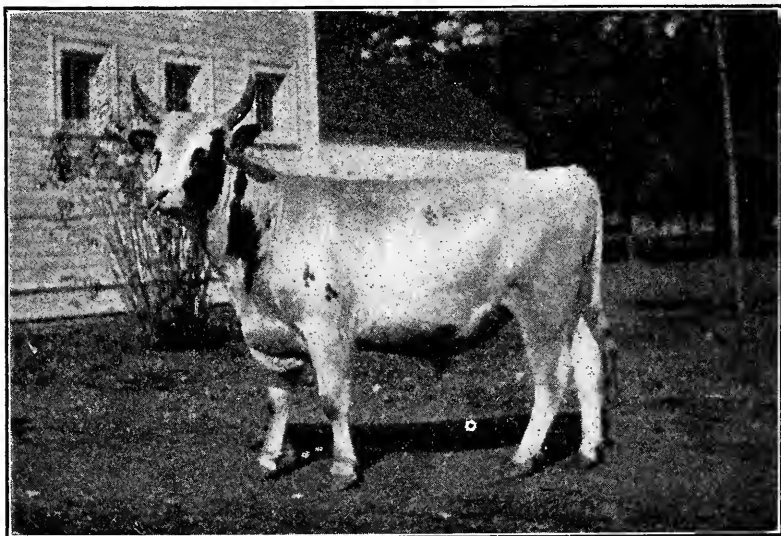
On D. L. & W. R. R., 30 miles from New York City.

Imported and Domestic **AYRSHIRES**

Herd headed by Imported Bull

NETHERHALL MASTER, No. 12177

pronounced by good judges one of the handsomest and best formed Bulls ever imported from Scotland, and descended on both sides from the greatest milk producing families.



NETHERHALL MASTER AT 18 MONTHS

We aim to breed animals of highest milk producing capacity, coupled with fine form and finish.

WEST VIRGINIA

"HILL TOP FARM"

AYRSHIRES

A SELECT HERD OF DAIRY ANIMALS OF APPROVED TYPE

Headed by the great A. R. sire

NOX'EMALL, 7312

Assisted by the young bulls, Kingmaker, 11207, Madonna's Lad, 11343, and Rena's Champion, 11816.

Kingmaker 11207, by the well known Howie's Dairy King (imp.) 9855, out of Madonna Lass 3d, 21850.

Madonna's Lad 11343, by Nox'emall, 7312, out of Madonna Lass 2d, 17473.

Rena's Champion, 11816, by Fir.layston (imp.) 8882, out of the Champion Ayrshire Cow Rena Ross, 14539.

All Animals Tuberculin Tested.

All Records Official.

Nox'emall, 7312, is the sire of the following heifers, viz.:

NAME	NUMBER	AGE	MILK	BUTTER
Douglas Daisy Queen	24883	2	7785	322
Maud Douglas	23996	2	8011	325
Cordelia Douglas	20326	4	8366	387
Douglas Empress	21851	4	9166	447
Baby Douglas	21843	2	9654	440
Daisy Jewess 3d	20324	3	9665	416
*Madonna Lass 4th	23997	2	9784	500
Douglas Cordelia	21852	2	8874	358
On retest will make		4	11000	475
Babe's Duchess	22213	3	9559	452
On retest will make		4	10400	490
Madonna Lass 3d	21850	3	10466	502
On retest will make		5	11900	575
Drummond's Gem	22652	3	10746	416
Etta Poultney	18148	5	11475	489

*Champion 2-year old.

The following A. R. cows are also included in this herd:

NAME	NUMBER	AGE	MILK	BUTTER
Irene Douglas	21795	3	8490	392
Daisy Jewess 2d	17472	4	8574	392
Letta Lind of Radnor	17892	2	8602	435
Sly Cordelia 2d	20322	6	8711	415
Netherwood Empress	17874	8	8765	455
Hillside of Toledo	16022	8	9179	385
Addington Queen	18948	7	9348	456
Madonna Lass 2d	17473	4	10020	449
October Lass	20323	4	10082	464
Beckey of Holehouse	17015	4	10507	463
Madonna Lass 2d	17473	6	11895	487

YOUNG BULLS FOR SALE AT \$100 A PIECE AND UPWARD

L. A. REYMANN, - Wheeling, W. Va.

OHIO AND MINNESOTA

Hill View Farm Ayrshires

Heavy Producing, Good Testing, Good teated Cows have been our aim, and we have got these qualities highly developed in the Dairy Maid Strain that we have been breeding 23 years. Moonshine of Barclay, No. 10261, is at present our principal Herd Bull.

We give a square deal to all purchasers.

Good shipping facilities. Visitors met at Railway or Electric stop 129 on Green Line.

Three herds comprise about 80 head.

A. B. McConnell & Sons,

WELLINGTON, - - OHIO.

NORTH OAKS STOCK FARM

AYRSHIRES

HERD ESTABLISHED 1897

The herd is headed by Royal Favorite of Spring Hill, 9589, assisted by Provost Marshal, 10369, and composed of over one hundred head of choice animals.

YOUNG BULLS FOR SALE.

CORRESPONDENCE SOLICITED

JAMES J. HILL,

Proprietor,
St. Paul, Minn.

THOS. HARBORN,

Superintendent,
Cardigan, Minn.

WISCONSIN

Oakdale Stock Farm

The home of the prize-winning Ayrshires

The Oakdale herd won at the Wisconsin State Fair, 1909, eight first premiums, from a possible ten, and three herd showing, and won all the championships.

It was said by a number of Ayrshire breeders that this was the best milking herd of Ayrshires that they had ever seen. Two bulls head this herd, their dams and sires having an A. R. record of the very best.

BULL AND HEIFER CALVES FOR SALE.

CORRESPONDENCE INVITED.

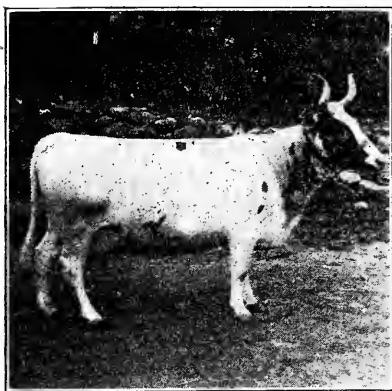
Address: SAM JONES & SON, Juneau, Wis.

BULRUSH FARM

NORTH BEVERLY, MASS.

GEORGE R. WALES, PROP.

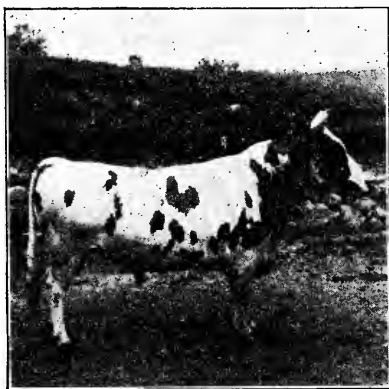
Illustrations of Our Herd



AUCHENBRAIN PRINCESS 7th, 21622



SILVER PET OF WOODROFFE, 18925.



MONKLAND VICTOR, 12484.

Young Stock from Imp. and Canadian Bred Cows always on Hand.
Write for Photographs.





