

Live Stock.

PROF. N. A. WILLARD, an authority on dairy matters, estimates the number of creameries and co-operative factories in the United States at 5,000. And they are only just beginning.

THE immense herds, now aggregating 20,000,000, which roam over the pampas of the Argentine Republic, and now form, with the sheep, almost the whole wealth of that country, are all descended from eight cows and a bull which two Portuguese brothers, named Goes, took to the Spanish colony there in 1553.

BREEDING SWINE.

From a late pamphlet publication by Mr. Howard, Member of Parliament for Bedford, England:

The breeding of swine has too often been looked upon with contempt and as beneath notice, so that whilst cattle and sheep have had the utmost care bestowed upon their breeding by thousands of skillful and wealthy agriculturists, pigs have been comparatively neglected.

Before discussing further the subject of breeding, I would observe that some thirty years ago I was led to study the physiology of breeding, though meeting with a remarkable book, "Intermarriage," by Alexander Walker, which, although devoted to the human family, contained valuable treatises upon "The Application of the Natural Laws to the Breeding of Horses, Cattle and Sheep."

SIX IMPORTANT POINTS.

From my own observation, from conversations with the late Mr. McComb, and comparing notes with other breeders, I have come to the conclusion that the following cardinal points in the art of breeding have been fairly established:

- 1. That from the male parent are mainly derived the external structure, configuration, and outward characteristics—the locomotive peculiarities inclusive.
2. From the female parent are derived the internal structure, the vital organs, and in a much greater proportion than from the male, the constitution, temper and habits.
3. That the purer the race of the parent, the more certainty there is of transmitting its qualities to the offspring.
4. That, apart from certain disturbing influences or cause, the male, if of pure race, and descended from a stock of uniform color, stamps the color of the offspring.
5. That the influence of the first male is not unfrequently protracted beyond the birth of the offspring of which he is the parent, and his mark is left upon subsequent progeny.
6. That the transmission of diseases of the vital organs is more certain if on the side of the female, and diseases of the joints if on the side of the male parent.

If I could adduce numerous facts in support of these conclusions, but the following must suffice:

FIRST, AS TO COLOR.

Twenty to thirty years ago the Duke of Bedford had at Woburn a herd of black sows, which were always crossed with a pure white boar. I noticed on several visits that the young ones were all white. Since that period, I have on several occasions crossed Berkshires with a white boar, and the result invariably has been a litter of white pigs, with scarcely a spot of black.

to the internal and external organization theory, the invariable result of crossing a mare with the male ass producing a mule, and the reverse method of crossing, producing a mule, are perhaps the best proofs; but I have tried many experiments with poultry, more particularly with the Cochon hen and the Game cock. I have bred many thousands from this cross; the result has been, without a single exception, an enlarged Game cock, and a hen which laid Cochon eggs.

WITH RESPECT TO THE PRACTICE of crossing, the difference should always be borne in mind between the crossing of different breeds, and the crossing of different strains of the same breed. In the former case, the result is necessarily a cross-bred animal; but in the latter, the purity is naturally retained, with the manifest advantage of an introduction of new blood.

The greatest claim that any herd or flock has to purity of breed may be computed by the length of time which has elapsed since its crossing with any other breed. The proof of recent use of any other breed in a herd will generally be seen in the progeny; if a cross has been recent the characteristics in respect of color, shape and size of progenitor will often obtrude.

"PINK EYE."

The prevailing disease among the equines shows that these useful animals, as well as the two-legged ones, have their troubles, and are subject to all the ills that horseflesh is heir to. Considerable space has been given to the disease known as "pink-eye," but a recent investigation among the veterinarians showed that although many horses are ill with various malarial complaints, but comparatively few have died when taken in the first stages of the disease, or given natural treatment.

Dr. Bond, of the Chicago Veterinary hospital, told a Times reporter that out of the many cases which he had treated only two had proved fatal. In fact, he said, there was no reason why any of them should prove fatal if horses were given the needed rest during the bad weather, and attention was paid to their feeding.

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There was no case for alarm in regard to "pink eye," as he called it. This disease had not made its appearance in Chicago, and if it did appear, it was easily cured as the present complaint. The impression has gone out that the disease was "pink eye," but this was not the case. It was a very simple malarial complaint, and he only found blindness in the cases of animals kept in unventilated underground stables.

On remarking that he kept a Sussex, he informed me that his object was to raise a race, the result of which would be a cross between the two breeds. With regard

is no doubt, but that it generally proves fatal is misleading.—Farm and Workshop.

The Dairy.

KEEPING BUTTER FOR HOME USE.

A lady reader asks how she shall manage to preserve the nice June butter made from the family cow for use in the late fall and winter. As it is made in small churnings, she does not see how she can keep these small lots in fine condition for so long a time.

Our correspondent has, no doubt, the best possible means at her hand of doing just what she desires. She has some unused fruit cans, quart and two quart, and they offer her precisely the means she is looking for to preserve her butter. When the butter is worked ready for packing (and this should always be done the day after churning), let her make a small muslin sack, about half an inch smaller in diameter, and of the same depth of the glass fruit can she will use.

HENRY'S CARBOLIC SALVE

Is the Best Salve for cuts, bruises, sores, ulcers, salt rheum, tetter, chapped hands, chilblains, corns and all kinds of skin eruptions, freckles and pimples. Get Henry's Carbolic Salve, as all others are counterfeit. Price 25 cents.

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DURNO'S CATARRH SNUFF cures all affections of the mucous membrane, of the head and throat.

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Range—Upper Ruby valley, Madison county, and the Sweet Grass and Yellowstone. Gallatin county. P. O.—Adobetsown, M. T.

Brand Claimed. AZ on either right or left ribs. Also owner by purchase of the following brands: U on left thigh, formerly owned by P. O. Kenyon and Charles Lehman; W on right ribs or right hip, formerly owned by Joe Gehrett. All persons are hereby warned against using either of said brands in any way. Range—Judith Basin. R. S. PRICE, Fort Benton.

THOROUGHBRED AMERICAN MERINO RAMS For Sale. These sheep were brought from Vermont in 1880 by U. & H. Edwards, and are now thoroughly acclimated, and are just the stock for this country. For prices and particulars, call on or address GOODALE BROS. 42-4t White Sulphur Springs, M. T.

T. J. FLEMING. Range—Smith river valley, from Camp Baker to Rim Rock mountains. P. O.—Diamond City

GADDIS & BRYAN. Range—South Fork of Smith River. P. O.—Fort Logan, M. T.

BROOK & MOWERY. Range—Beaverhead valley, between Ruby river and McKisler creek. P. O.—Salisbury Montana.

J. H. MING. Range—From Fort Logan to Benton. P. O. address—Helena, M. T.

WM. WALLACE. Range—Musshells. P. O. Address—New Chicago. Wallet on each jaw of main horn; also owner of cattle brand ed W on right side; also cattle marked underbit in left and crop in right ear, branded 6 on right hip; also cattle marked underbit in left and crop off of right ear, branded JH (combined) on hip and side; and others branded F on left hip and shoulder.

P. J. MOORE & BRO. Range—Smith river and Musshells valleys. Post Office—Martinsdale, M. T. MARK—Half crop in left ear, and wattle on each jaw.

JOHN LINK. Range—On Missouri valley, from Duok creek to Cave gulch. Post office—Diamond City.

JOHN T. MOORE. Range—Smith river valley, from Fort Logan to the canyon. Post Office—Fort Logan, M. T. MARK—Swallowtail in left ear, and wattle on right jaw.

J. V. STAFFORD. Range—Missouri valley, from Canyon Ferry to Duok creek. Post office—Canyon Ferry.

WILLIAMS & CALLAWAY. BREEDER AND DEALERS OF Pure Short-Horn and Grade Cattle. Breeding to milk strains a specialty. A fine lot of Grade and Thoroughbred bulls for sale.

Range—Upper Ruby valley, between the canyons. P. O.—Virginia City and Fuller's Springs. MARK—Over-bitten each ear, and pendant metal tag in either ear, on left side, over ribs, on hip, as in above cut.

JAMES FERGUS & SON. P. O. Address—Fort Maginnis. Range—Box Elder, and Armells creeks. Ear-marks—Crop and under bit from right ear. Vent—Upside down over bar. Horses branded F on right shoulder.

MONTANA CATTLE CO. Range—American Fork Musshells valley. Post-office address—Martinsdale, Meagher county, Montana, and Helena, Montana. Also, owners of cattle bearing the following brands, and owners of the brands: T on left side or ribs. A on left side or ribs. X on left side or ribs. A on left hip and X on left side.

CHARLES ANCENY BREEDER OF Thoroughbred and Grade Short-Horns. Correspondence and Inspection Solicited. Range—between West Gallatin and Madison rivers. Post-office address—Hamilton, Gallatin Co. Montana. HAMILTON, Gallatin Co., M. T.

Estrayed. A bay horse five years old, about 15 1/2 hands high, branded with a row-lock on the left hip, and C with a 'P' inside of it on right shoulder. Any information that will lead to his recovery will be suitably rewarded. Ft. Logan, M. T. A BRUCKETT.

Saw Mill For Sale. Being desirous of making a trip East to be gone some time, I have determined to sell my saw, planing, shingle and lath mills. The mill has a capacity of cutting ten thousand feet of lumber per day. J. G. SARTER, Fort Logan, Montana. 42-4t

Notice to Creditors. Having determined to start for the States about the 1st of October, all persons having bills against me are requested to present the same for settlement, and those indebted to me are requested to come forward and settle, either by cash or otherwise. Wm. PARBRY.

LUMBER LUMBER LUMBER! ALL KINDS OF LUMBER, LATHS, and SHINGLES Sawed to Order. ALSO Planed and Marked Siding and Flooring. All orders must be addressed to J. G. SARTER, FORT LOGAN, M. T. A. G. HATCH, Agent, WHITE SULPHUR SPRINGS. 22-4m

SHEEP DIP! TOBACCO AND SULPHUR MIXED MAKE THE BEST DIP! A SURE CURE FOR SCAB! AND INCREASES GROWTH OF WOOL. For price address. WM. PRICE & Co., 17-1t 14 Commercial St., St. Louis Mo.

Stephens' Ranch, Judith Gap, DEALERS IN Groceries, Clothing, Liquors and Cigars. BEST PRICE PAID FOR FURS, PELS, &c. Good Accommodations for Man and Beast. This house is situated on the Benton and Martinsdale, Benton and Roseman, and Benton and Coulson roads; is 35 miles from Martinsdale, 30 miles from the Judith crossing and 20 miles from the Musshells. STEPHENS BROS. 52-1t

HORSES. For Sale. Having more horses than I wish to keep through the winter, I now offer at private sale 40 head of horses, all of my own breeding, consisting of mares, (none over 6 years old) fillies and geldings, and are the get of Bob Lee and Old Dime. The whole lot are halter broken, and several have been ridden and driven in harness. The mares have been bred this season to Smuggler or Vanguard. There are several geldings, 3 and 4-year-olds, that will make very fine horses. They have been ridden and driven, and are the get of Bob Lee. Persons wanting horses will do well to come and take a look at the lot before purchasing. C. BARR SMITH, elsewhere. 80-2m

\$750 Reward. The Territory of Montana will give seven hundred and fifty dollars reward for the apprehension and conviction of the murderer of Wm. Kalp, of Magpie gulch, Meagher county, Montana, which deed was committed about the 15th of April 1880. By authority of Governor B. F. Potts. 60-1t L. ROTWITT, County Clerk.

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