Waste of Pure Bred Bull Calves Should Be Eliminated for the Good of the Herd

It is Estimated that Five Grades of Scrub Bulls are in Use for Every Pure Bred Bull

Nature has her own percentages and rules which are as infallible, in the long run, as the dealer's margin at a Monto Carlo gambling resort. According to this inflexible law of averages, there are about as many bull calves born each year as there are heifer calves.

Every good dairyman knows the value of a pure-bred sire of good record, and what such an animal may accomplish in the way of improving a grade of scrub herd. Despite their acknowledged value, it appears that 73,000 pure-bred bull calves of dairy breeds were killed for veal or were fattened for beef in 1918.

The line representing pure-bred Holstein-Freisian cows registered in 1918 runs out to 80,000. The line for the bulls of this breed registered during the same year extends only to 30,000. The difference, 50,000, represents the approximate number of bull calves not registered. Presumably most of them were either vealed or fattened as steers.

The Jersey breed in 1918 registered 30,000 cows and about 12,000 bulls—a loss of 18,000 pure-bred sires, many of which might be more profitably employed in the work of improving scrub herds.

Gurnsey and Ayershire totals are less, but the percentage of loss is heavy there also.

In the face of this waste it is estimated that five grade of scrub bulls are in use for every pure-bred bull. According to experts of the United States Department of Agriculture the replacement of scrub and grade bulls with good pure-breds would quickly and materially raise the average production of the dairy herds. One of the reasons for the surprising situation outlined is probably an undeveloped system of distribution.

Gather Greens *from* Field

And Eat Them as Nebuchadnezzar Did

Now is the time to eat greens while they are green, tender and juicy. It is a most desirable change from the very solid and substantial feeding the winter months.

Among the cultivated or garden plants that are used for greens, spinach is perhaps the most popular. It is found in the city market practically all winter and is still more abundant and lower in price in the spring. A small patch in the garden will provide several meals for the family if only the large leaves are taken at each cutting, leaving the bud to grow and produce more leaves.

Mustard grows very quickly and is a favorite with those who like the slight roughness of the leaves. Watercress, which is usually eaten raw, grows in running water and comes out early in the spring. Unless it is thinned out occasionally it will soon choke up a small stream with its lux uriant growth.

Carrot tops, when very young, make good greens, and the small roots and the tops may be cooked together. Beet greens may be used the same way, the whole plant being cooked even after the leaves are quite large and the little beets as big as marbles.

Influence of the Tractor on Use of the Horse Shown by Investigation

The Old Gray Mare is Still Holding Her Own and is Not Likely to be Displaced

The number of horses displaced by tractors in the corn belt is largely determined by the number it is necessary to keep for corn cultivation, and other work current at the same time which the tractor cannot do. This is perhaps, the most important of the facts brought out by an investigation recently made by the United States Department of Agriculture in seven corn-belt States, relative to the influence of tractors on the use of horses, the results of which have been published in Farmers' Bulletin 1093.

The department has drawn on the experience of 191 tractor owners, in the preparation of this bulletin, which is designed to enable the corn-belt farmer to answer for himself the following questions:

For what operations can I use the tractor?

In what operations will it displace horses in whole or in part?

How many horses will it displace on my farm?

It was found that the number of horses disposed of by the farmers in question after buying tractors was between two and three a farm. The average number of acres tillable by horses was increased 12, and the average size of the farms by a total of 22 acres. Several operators displaced horses entirely on plowing, disking, and harrowing. Few operators allowed their horses to stand idle while the tractor was in use.

The horses remaining on these farms are doing 75 per cent of the tractive work, and the tractor the remainder.

The tractors were used for an average 20 10-hour days a year on the home farms, no records being taken of custom work. A three-plow tractor on these farms does the work of 8 1-2 horses in plowing, disking, harrowing and harvesting.

The results of this study further substantiate the conclusion that the principal advantage of a tractor lies in its ability to do heavy work in a shorter time than it is possible with horses.

Fire Team Raised on Farm, Objected to Night Work

"Betty" and "Billy" have gone back to the farm, and the fire department at Clinton, Mass., has returned to its motorized efficiency. An upstanding pair of browns, the horses were the pride of the fire-fighters until they became the cause of their disgrace.

Sleek and fat from a farm in an adjoining town, they were obtained to pull the town's old fire engine while the motor apparatus was being repaired. The browns swept out of the engine house to their first fire in a manner to make old firemen speak with happy reminiscence of the horse-drawn days. Then came a night alarm.

Back on the farm Betty and Billy had been accustomed not to stir from sundown to sunrise, and no din of fire-gong or urging by anxious firemen would move them to answer the alarm. All the fire department's split-second aids to a quick start were lost on the browns. They refused to budge, the firemen had to go to the blaze with chemical lines, and the town folks laughed.

The firemen vowed the thing would not happen again and the horses were put through a stiff training. They went to the day fires with spirit and the fire crew hoped they understood. But another night alarm came, and again Betty and Billy would not move; once more the firemen went afoot, hose in hand, and again the town laughed at their discomfiture. The next day "Betty" and "Billy" went back to the farm.

John Brown's grave has just been sold with the farm at north Elba, N. Y. It was only recently that the grave was marked with a monument.

Trunk Lines in Air

Long distance air transportation will soon be a commonplace. The successful trip from London to Australia recently completed has encouraged Great Britain to lay out a number of great air routes, connecting England by great trunk lines with its possessions. The service will be maintained at first by air ships and later doubtless by airplanes. The first of these trunk lines will connect London with Canada by way of Newfoundland. Another line will run from England to India; this will later be extended to Australia. Still another line will operate between London and Egypt and will be extended to Australia. Still another will operate between London and Egypt and will be extended to South Africa. The air lines will be backed by large government subsidies.—Boys' Life for April.

The rich man suffering from nerves had consulted the famous specialist. "You have something preying upon you," announced the famous specialist. "What rare intuition," murmured the rich man, thinking of his three sons-in-law.

"I am soliciting subscriptions for this magazine," said the canvasser, displaying a sample copy. "I don't want it," replied Mr. Pneurich, emphatically, "I see it's entered in the post office as second-class matter. I don't want no second-class readin' matter 'round this house.

The world is still young—why worry

White Rats Lose Against Managers

By an unanimous decision, an order has been entered dismissing the vaudeville case brought by the White Rats, showing no violation of the Federal Trades Commission Act or Clayton Act. This case has been pending for more than two years. The complaint which was dismissed charged the vaudeville managers with monopolizing the vaudeville industry, restraint of trade and conspiracy, and further charged them with being guilty of unfair methods of competition. The managers claimed that tehir conduct towards the White Rats and all other acts in connection with their business, were lawful, and this decision of the Federal Trades Commission sustains the managers.

For the first time in the past 18 years the vaudeville managers, headed by E. F. Albee, had an opportunity, at the end of the White Rats' strike three years ago, of getting the vaudeville artists to co-operate. Prior to this time managers were held up to ridicule, called harsh names; everything was said and done to depreciate the value of the business.

Upon the ending of the White Rats' strike, the artists, tired and weary of the agitation, sought co-operation with the managers and the result of that co-operation, starting three years ago, is the Vaudeville Managers 'Protective Association, embracing every vaudeville manager in the United States, big and small, the National Artists, Inc., numbering 10,000 members. These two organizations co-operate for the betterment of the conditions of the theatre and of the artists and the strides are recorded by actual events, such as the magnificent clubhouse, probably the finest in the world, occupied at the present time by the National Vaudeville Artists.

Maurice Goodman and ex-Governor Joseph W. Folk argued the case for the managers before the Federal Trades Commission at Washington. Mr. Goodman drew the brief from which the argument was made, and tried the case for all the managers involved, with ex-Judge Edward E. McCall and John M. Kelly acting as advisory counsel.

Washerwoman's Lots an Oilfield

There is an old washerwoman in Kansas City, who has always felt that, above all earthly things, she would like a home of her own.

So toward that goal she washed: and seven years ago she found that her toy bank held enough to make conversation with a real estate man worth while. "I've got just what you want," he told her; "three 15-foot lots at Ochelata, Okla."

She paid all she had in exchange for the deed, and went back to washing for the house.

Three weeks ago she decided that her savings were sufficient to fulfil the second part of her dream, and she set forth, in a new hat, for Achelata. But when she arrived the lots were the site of tumultous activity—a rich oil field, as you have guessed; but the story has not had the usual Oklahoma oil ending. The oil operators refused to listen. The attorney was adamant to her offer. "I give you half of all we get."

She is now back at the washboard, though she has her deeds, and while enduring the law's delay she laments: "I thought that place was to be my home, but the way it's dug up it's only fit for a graveyard."

How to Avoid Errors in Speaking

The distinction between the words "neglect" and "negligence" is that "neglect" refers to acts and "negligence" applies to character.

Don't confuse the word "novice" with "amateur." A "novice" is a beginner; an "amateur" is a personal not a professional.

Say "pay the bill" unless there has been some dispute, when, of course, it would be propert to refer to "settling" it.

The word "quite" means wholly, completely, but it is often loosely used as "quite" a few or "quite" a lot.

"Libel" is written or printed; "slander" is spoken.

The appalling scarcity of food in Poland has compelled the Ministry of War to guard carefully that which is available. Toward this end the following statement has been issued. "The Ministry of War declares that the apportionment of food supplies and especially bread for canteens or institutions of a social nature cannot be made because the supplies are so low. Regarding, however ,the exceptional position of the Y. M.C. A., as well as recognizing the splendid services rendered by the association, the Ministry of War willingly will issue from military stores a sufficient quantity of bread for the huts of the association, providing, of course, that the "Intendantures" or supply departments are in a position to give the soldiers the rations coming to them."

Today is the day of duty and life; don't procrastinate.

The Furrow

News and Views About the Farm

Seed Acreage for 1920

The prospective commercial acreage of vegetable seed crops for 1920, compared with last year, shows marked reductions in the acreage reported for dwarf snap beans, all beet, carrot,lettuce, onion seed, while a slightly increased acreage is reported for garden pole beans, cucumber, muskmelon, watermelon, parsley, peeper, pumpkin, and Swede turnip seed.

These estimtas are based on reports received by the Bureau of Markets, United States Department of Agriculture, early in April from commercial vegetable-seed growers and are as accurate and complete as it was possible to obtain at that time.

The estimated prospective production for 1920 (computed on the basis of the acreage reported and the average yield per acre for the four-year period 1916-1919), compared with that for 1919, is about 35 per cent less for sweet corn and English turnip; 50 per cent less for dwarf snap beans, celery, parsnip, and squash; 60 per cent less for garden and mangrel beet, carrot, onion seed and spinach; while an increase is indicated of 20 per cent for sugar beet and garden peas and 50 per cent for onion sets.

The estimated acreage and prospective production for 1920 are more comparable with those for 1917, and the reduction in acreage and production as noted should not be taken as an indication that the vegetable-seed growing indusry in this country is on the decline from that of pre-war years.

How Great Success Came to One Master Who Paid No Heed to Rules or Critics

Personality and that strange quality known as genius are unquestionably the prime requisites for success in the world. With personality one does not need to pay too strict attention to the hard and fast rules laid down for less gifted strugglers along the way.

When Ole Bull came to this country his critics said the violated all the laws of music, that he never could be a success in this country, and there were other violinists here who far excelled him .

While it may be true that Ole Bull violated the standard musical laws, yet he pleased the people. He held them entranced, while his critics, who thought they knew so much about musical lore in comparisen, could not hold them at all. A remarkable personality was revealed in this man with a marvelous passion for music, a great love for his violix, which he seemed to caress with great fondness every time he drew his bow. This won the enthusiasm and admiration of crowds wherever he went.

Film Star Got a Desired Quietude

This may be true or not. Anyway, here's the story as told by Beulah Livingstone, one of those active persons whose efforts are spent in the spreading of news of various movie stars.

Norma Talmadge, the star, had just come back from a six weeks' vacation, it seems, three weeks in Cuba and three weeks at the Royal Poinciana at Palm Beach, and she went to the St. Regis Hotel, New York, until she might find a suitable apartment. Having grown accustomed to the peace and quiet of the balmy South, Norma found the noise of trucks, taxis, trolley cars and busses so disturbing that she couldn't sleep.

To add to her discomfort, a tall pendulum clock ticked noisily near her bed. In desperation, Miss Talmadge seized a pair of desk shears, cut the wires that caused the ticking and went to sleep.

The next morning complaints began pouring into the desk clerk from innumerable guests that their clocks ahd stopped. The wires so hastily cut had operated not one clock but 142. Miss Talmadge is awaiting the bill with anxiety.

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Weather Winds Clock

When the temperature rises 20 degrees in Aquilla, Switzerland, Victor Guillani's clock gets a good winding. How so? Because Victor Guillani lives in Aquila, and his thermometer winds his clock.

A rod rests on the surface of the column of mercury in his thermometer, being connected at the other end to a saw-tooth rack, explains Popular Science Monthly. As the temperature rises, the mercury, expanding up the tube, pushes the rod and its saw-toothed rack before it.

The rack, which meshes with a series of small springs, thus turns the axis to which they are attached. On this axis there is also a large wheel, which turns meshes with the wheel-work of the clock spring, and consequently winds it. When the temperature goes down, the same rotating takes place; and between the two the clock is always wound with no trouble to the owner.

Live Facts

At the signing of the armistice, there were 11,000,000 yards of army ordnance silk, popularly known as cartridge cloth, in the possession of the ordnance department.

British war loans to allied countries totaled $8,330,000,000 exclusive of additions advances made by Great Britain for post-war reconstruction.

The number of cigars exported from the Philippines has increased from 155,000,000 in 1914 to 392,000,000 in 1919. The United States has taken about two-thirds of the output.

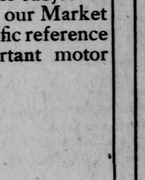
It has been stated that package freight, once loaded, could be carried from Boston to Cuba, or coal from New York to Brazil more cheaply than it could be moved from one pier to a neighboring one within the same harbor.

In 1914, 54 per cent of the country's imports or raw silk entered through the Pacific ports as compared with 12 per cent through New York. In 1918, however, over 80 per cent of such imports entered at New York and about 11 per cent at the Pacific ports.

It's a dead cinch that some people do not have to wait for the undertaker to give them a laying out.

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—Adv.

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Outlook for the Motors
IN the general rehabilitation of nation-wide transportation facilities,the motor industry has before it a commercial opportunity that is the subject of a leading article in a current number of our Market Review. In this connection there is specific reference to conditions surrounding three important motor industries:
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Cloak Worth Million

One of the treasures of the Barnice Pauahi Bishop museum at Honolulu is a marvelous feather cloak, the property of Kamehameha the Great, upon which a valuation of $1,000,000 has been placed. It is kept in a steel vault and is exhibited only at rare intervals.

There and Back

"I wonder this rotten club doesn't drive you to matrimony."

"My dear sir, matrimony drove me to this club."

Tommy—"Pop, were glass eyes known in Biblical times?"

Tommy's Pop—"Not that I am aware of, my boy."

Tommy—"Then what does the Bible mean by those who have eyes and see not?"

Memory training isn't essential. The lesson of love is one we always learn by heart.

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