

consists of a 1½ to 2 horse power vertical boiler which supplies steam to the sink and the steam jet in the drain board, a galvanized iron wash sink, a can rack, a Babcock tester, a concrete cooling tank, a milk cooler, and milk scales. A separator may also be located in the milk room.—United States Department of Agriculture.

A HAY BARN AND CATTLE SHED

Mr. French Gives a Convenient Plan for Use on a Beef Cattle Farm

SEVERAL have written lately complaining of the time required to separate beef calves from their dams in order to feed the calves grain and hay in separate apartments of the sheds. When calves are driven one at a time out of the herd too much time is consumed, as these persons state, and there is useless expense involved.



MR. FRENCH

All that is needed is an apartment fenced off from the main feeding shed by a calf creep. This is made by planting posts 12 to 26 inches apart between the main shed and the portion set apart for the use of the calves there, spiking along the tops of these posts a 2x6

think, after they are five months old, should be haltered and tied at a manger away from the females. They are kept quiet in this way, learn early to respect the halter, and become gentle by reason of having the feeder and caretaker about them several times each day. I consider it very bad cattle practice for young bulls to be running constantly with the females of the herd after they pass the four-months age.

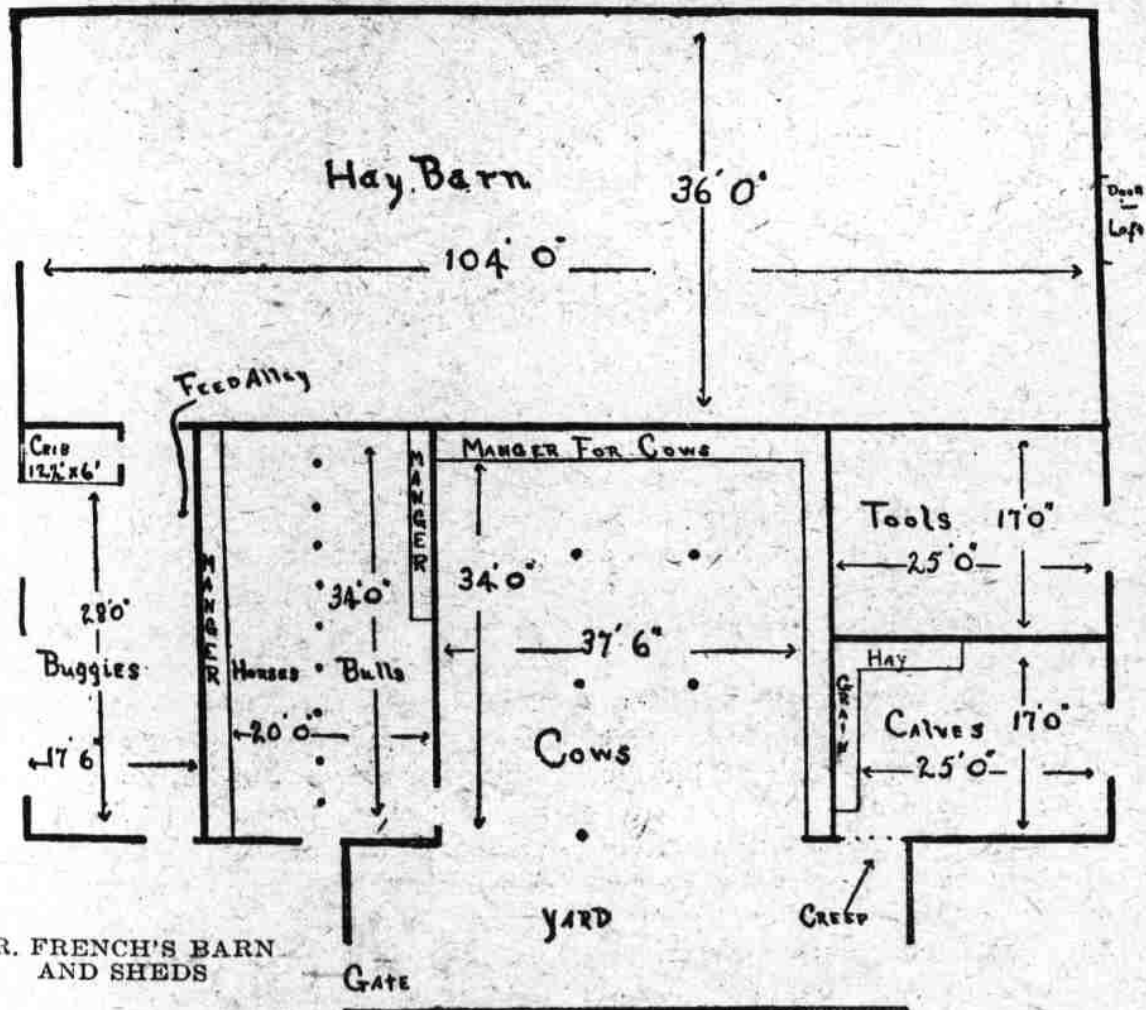
One advantage of beef cattle growing over the handling of other classes of livestock is that very little labor need be employed if thought be given to the arrangement of pastures and stables and any practice that adds to the labor of handling the stock lessens the profits by the amount of its cost. Right along this line, it is well when handling grade cattle to castrate the bulls by the time they have reached the three months age and then both sexes may be run in the same yards and pastures until selling time. A. L. FRENCH.

TEN GOOD FARM IMPLEMENTS

III.—A Believer in the Weeder

[In addition to the letters printed in our "Implement and Machinery Special," we are printing under this heading (one a week) ten other "farmers' experience letters" about implements and machines that should be more generally used in the South.]

I FIND few men who emphasize the use of a weeder and many who have discarded it, but I know of no



MR. FRENCH'S BARN AND SHEDS

plank to hold the posts in line against any pushing by the aged cattle.

Drive the calves through these openings two or three times into their apartment, where may be found a light feed of shelled corn, scattered in a flat-bottomed trough, and some best quality legume hay, and after that all that will be necessary will be to see that the hay in their rack is always fresh and no corn is left over at the end of the day.

When the calves have passed the three months age, add a sprinkling of cottonseed meal to the feed of shelled corn. A drawing of our main cattle shed illustrated herewith may help those who are interested.

We generally store oats in the outer bays of one end of the barn, then blow the straw into the center spaces and have this to feed also. The hay barn has capacity for 160 tons of hay, being 36x104 feet in size and 20 feet to plate.

In starting to fill the barn, loads are driven through and hay thrown off on either side until the two sides are around eight feet high. The balance is then filled with harpoon and grapple fork.

It is a rule at Sunny Home Farm to let animals do for themselves anything they can do as well as a man can do it for them, and arranging a creep for the little calves of both sexes and for the use of females up to eight months of age saves much human labor. The bull calves, we

implement which will take its place. I have sometimes gone over my cotton or corn ground as many as four times with a weeder between the time it was plowed and planted and again twice after it was planted. I like to go over the ground after each hard rain and break the crust without disturbing the seed bed. After the plants are up and while they are still small I frequently use the weeder to keep back the weeds.

I have used it on grain, corn, cotton and sometimes on the garden after the plants are up. If carefully used it will do a great deal of good and very little harm. It is excellent for covering small seeds which are sowed broadcast. It is a light tool and so does not make the work hard for either man or beast, yet it will cover many acres in a day. It is comparatively a cheap tool, costing from six to ten dollars, and is adapted to the one-horse farm as well as larger.

There are weeders having at least three kinds of teeth, flat, square or round. I prefer the kind having flat teeth for the reason that the teeth can spring back better if the same quantity of material is in a flat tooth as in a square or round one, and it cannot spring to one side so easily. Where the teeth can spring to one side easily the rear teeth have a tendency to follow the track of the front ones and not to cultivate the ground so uniformly. Tifton, Ga.

J. M. OWEN.



Save several dollars per ton on roughage

NO matter how much or little you are paying for old style hulls you always can save several dollars per ton by buying

BUCKEYE HULLS
COTTONSEED LINTLESS

You pay more for the old style hulls because you are paying for about a pound of lint to every three pounds of hulls.

You pay less for Buckeye Hulls because you pay only for hulls. The lint is sold separately.

Other Advantages

- Buckeye Hulls are 100 per cent roughage.
- They do not contain lint which has no food value.
- You get 2000 lbs. of real roughage to the ton—not 1500.
- Every pound goes farther.
- They allow better assimilation of other food.
- No trash or dust.
- Sacked—easy to handle.
- They mix well with other forage.

R. S. Parkham, Greenville, Ga., says: "I feed about fifty cows and calves and use Buckeye Hulls very successfully. I consider Buckeye Hulls as good feed and cheaper feed than the old style hulls."

Feed Buckeye Hulls thoroughly wet for the best results. If feeding dry, use half as much by bulk as of old style hulls.

BOOKLET FREE—Tells all about Buckeye Hulls and how to feed them to best advantage with other forage.

Dept. A.

The Buckeye Cotton Oil Co.

- Atlanta
- Birmingham
- Greenwood
- Little Rock
- Memphis
- Augusta
- Charlotte
- Jackson
- Macon
- Selma

Plow and Pull With Your Ford

\$135.00 f.o.b. Quincy Ill.

Ford With Pullford

PULLFORD—Easily Attached to or Removed from the Car in 30 Minutes

MAKES a practical tractor out of a Ford—or most any other car. Get the low cost power. No holes to drill. Attached with clamps to car frame. Does work of 3 or 4 horses. Pulls plows, harrows, drills, mowers, the binder, hay loader, road grader, etc., also your farm wagons anywhere that 3 or 4 horses can. Steel wheels with roller bearings. Two pairs steel pinions, allowing two speeds, one for plowing and one for hauling wagons. Multiplies usefulness of your car. Only \$135.00, f. o. b. Quincy, Ill. Write for circular.

PULLFORD COMPANY, Box 59C
Telephone No. 54 Walton Heights, QUINCY, ILLINOIS

7 H-P. \$98.50

Twelve other sizes from 1½ to 22 H-P. Your choice of Hit and Miss or Throttle Governor; Make and Break or Jump Spark (auto) ignition. No extra charge. I build engines to suit you, not what is cheapest and easiest to build. Over a million H-P. in use. Operate on Kerosene or Gasoline. Longest sold direct to the user. Guaranteed 10 years. 3 months trial. Write today for New Engine Book and money-saving prices.

OTTAWA MANUFACTURING COMPANY,
1093 King Street, Ottawa, Kansas.

BEEES FOR THE FARM

If interested in Bees which are very profitable and little trouble, ask for our two large Bee Supply Catalogs.

THE PENN CO.,
Penn, Mississippi.

Our Two Best Subscription Offers

\$1.50 for one renewal and one new subscription for one year each if sent in together; or

\$2.00 for a club of three yearly subscriptions all sent in together—a saving of 33 cents on each subscription. Address

The Progressive Farmer

Our clubs save you money. We will gladly make a special club on any papers you may wish.