

Care and Abuse of Farm Machinery.

Recent investigations by the Conservation Commission reveal some very interesting facts regarding the effect of care, or neglect, as the case may be, upon the life of machinery on the farm. Between 90 and 95 farms, divided into three districts, were visited in each of the Provinces of Manitoba, Saskatchewan, and Alberta. In Saskatchewan, out of 94 farmers visited by the Commission's representative, 76 leave all their implements out of doors. On 73 of the farms there were no implement sheds of any description. On 21 of the farms, sheds large enough to cover a part of the implements were found, in most cases this being only a buggy or a democrat, but not on one single farm was the machinery all housed. Not one farmer was found who painted his implements to protect them from the weather. In Manitoba, only 14 out of 94 keep their machinery under cover during winter, while 44 claim to keep a part of it inside. On 34 of the Manitoba farms no provision whatever is made for protecting implements, and only four claim to have done any painting. In the three districts visited in Alberta, mixed farming is carried on quite extensively making more barn room available, so that implements are more likely to be protected, but even here, 37 out of the 92 visited leave all machinery out of doors. In one district in Ontario where 40 farmers were visited, every man housed his implements during winter, although none of these men do any painting. In the Ontario district visited where the implements are housed, the average life of the binder was found to be between 16 and 17 years. Many binders were seen which were in good running order after cutting 20 seasons' crops. In Saskatchewan and Manitoba, where so much of the machinery is left out of doors, the average life of the binder is given by the farmers as about 7 years, which is less than half that of the binder protected from the weather. Many binders do not last as long as 7 years. One farmer near Moosomin, Sask., who, after 12 years, was retiring from the farm, had an auction sale. His binder, after cutting 12 crops, sold for \$80, or 50 per cent. of the original cost, and his other machinery at proportionately high prices. It had all been well housed, and the necessary painting and repairs had been done to keep it in good order. On a neighboring farm a binder which had cut only three crops, but which had been neglected and had stood out of doors, was being relegated to the scrap heap, and a new one was being purchased. An implement shed costs money, but if its use will double or treble the length of time the machinery will last, it is a good investment. Farmers often say that they can not afford to build a shed. The truth is, they really can not afford to be without one. Apart from the additional power necessary for operation, the depreciation on unhoused machinery on the average sized farm is so great as to amount to much more than the cost and upkeep of an implement shed. The binder works for only a short time during the year, while machinery in a shop works the whole year through, and lasts proportionately many times longer. It is simply a matter of care. The life of a machine extends in direct ratio to the care it receives, and abuse and neglect will shorten the life of any mechanism. The manufacturer is not responsible for the care of the machinery after it is sold. This rests entirely with the farmer, and as a common-sense business proposition he should look after his own interests sufficiently to house his implements, and thus save the thousands of dollars wasted annually in unnecessary depreciation.—P. C. N.

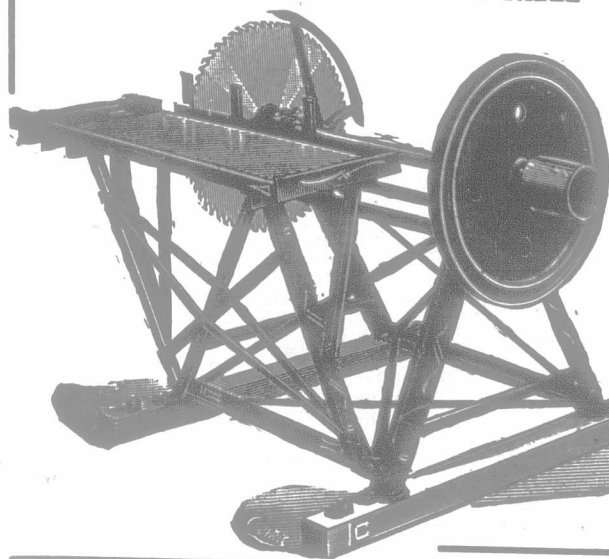
Cossip

Volume 17. of the Holstein-Friesian Herdbook of Canada, has been issued from the press, and a copy, by courtesy of Secretary and Editor W. A. Clemons, St. George, Ont., received at this office. This volume contains pedigrees of bulls numbering from 15726 to 18425, and of cows numbering from 23301 to 27400. Also an index to the owners, with their address, and an index to the animals recorded, also an index to address of members of the Association.

This PAGE STEEL FRAME TILTING TABLE WOOD SAW Only \$19.00

Freight Prepaid East of Fort William.

Saw Blades Extra as Below.



It has all the latest improvements in wood-saw construction. The frame is built of heavy angle steel bars strongly bolted together and rigidly braced in every direction by heavy flat steel bars. The shaft is a 4 ft. 4 in. piece of lathe-turned steel, and runs in well-babbitted, self-adjusting, dust-proof, non-heating boxes. The saw blade is protected by a heavy steel guard.

The tilting table has a roller at one end for convenience in handling long poles. The balance wheel and pulley are interchangeable. The inside distance between the balance wheel and the saw blade is 3 ft. 6 in. Size of pulley, 5 in. diameter by 6 in. face. Weight, 276 lbs., without saw blade.

It is unquestionably the strongest and most rigid steel saw frame of its style on the market, and the only one to which there is absolutely no shake when in operation.

Saw blades of any diameter from 24 inches to 30 inches can be supplied as follows:

24-inch.....	\$4 45	26-inch.....	\$5 25
28-inch.....	6 05	30-inch.....	6 85

PAGE WIRE FENCE CO., LIMITED
WALKERVILLE TORONTO MONTREAL ST. JOHN
1137 King St., W. 505-517 Notre Dame St. 39 Dock St.

Order from Nearest PAGE Branch.

Send for our general catalogue of fence and hundreds of other articles used in the home and on the farm.

The successful mechanical milker must squeeze the teat between each suck of milk, otherwise it would draw too much blood down into it and result, in time, in injury to the udder.

EMPIRE MECHANICAL MILKER

accomplishes this massage perfectly, yet with simpler apparatus and less power than any other, by vacuum and atmospheric pressure. The "Empire" is the very latest development of the mechanical milker, embodying all the ideas demonstrated to be correct by former experiments. As there is no compressed air used, only one pipe line and one air tank is necessary, and the whole apparatus is much simplified. It is absolutely guaranteed. Teat cups fit all teats—can be easily taken apart and cleaned. It is less expensive to install and less trouble and expense to operate than any other successful milker.

The Empire Mechanical Milker is in successful operation at present in many dairies. With it one man can see to the milking of 20 to 30 cows in an hour. Cows are milked more regularly and its use usually increases the milk yield. The milk is kept hygienically clean. More cows can be kept without more help to care for them or your same herd with less help. Write us telling how many cows you keep and we will send you more complete information and quote the cost of a milker installed in your barn.



The Empire Cream Separator Co.
of Canada, Limited
Dept. M2
Toronto
Winnipeg

Write for information about Empire or Bal-tic Separators or Empire Sta-Rite Gasoline Engines if you are interested.

SHORTHORNS

I have ten young Shorthorn bulls, some fit for service now. Part of them are bred and made so that they are fit to head the best herds in any country; some of them are of the thick, straight, good-feeding kind that will produce money-making cattle; and the prices of all are moderate. I have SHROPSHIRE and COTSWOLD rams and ewes of all valuable ages. Write for what you want. I can suit you in quality and price.

Robert Miller, Stouffville, Ontario

10 Shorthorn Bulls, 9 Imported Clydesdale Mares

Our bulls are all good colors and well-bred. We also have Shorthorn females of all ages. In addition to our imported mares, we have 7 foals and yearlings. Write for prices on what you require. Bell 'Phone. Burlington Jct., G.T.R. 1/2 mile.

W. G. PETTIT & SONS, Freeman, Ontario

Scotch—SHORTHORNS—English—If you want a thick, even fleshed heifer for either show or breeding purposes, or young cows with calves at foot, or a thick, mellow, beautifully-fleshed young bull, or a right good milker bred to produce milk, remember I can surely supply your wants. Come and see. **A. J. HOWDEN** :: Myrtle, C.P.R.: Brooklyn, G.T.R. :: COLUMBUS, P.O., ONT.

SHORTHORNS and CLYDESDALES We have a nice bunch of bull calves that were a year old in Sept., and are offering females of all ages; have a choice lot of heifers bred to Clansman—87809—One stallion three years old, a big, good quality horse, and some choice fillies, all from imported stock. **A. B. & T. W. Douglas** Long-distance 'Phone **Strathroy, Ontario**

Poplar Hall Shorthorns If you want a herd header of the highest possible individuality and richest possible breeding, visit our farm, sired by the great Uppermill Omega Imp.; we have C. Butter flies and Lovelies; Marr Roan Ladys and Cinderillas, from 7 to 18 mos. of age. **Miller Bros., Brougham, Ont.** Greenburn C.N.O. Sta.

IRVINE DALE SHORTHORNS

Herd headed by Gainford Select (a son of the great Gainford Marquis). A number young bulls of choice breeding and out of good milking strains. Also a few heifers. **J. WATT & SON** :: Elora Station :: SALEM, ONTARIO

HIGH-CLASS SCOTCH SHORTHORNS

We have a choice selection of richly-bred young herd headers, the thick, mellow, good doing kind. Visit our herd and make your own selection. **RICHARDSON BROS.** COLUMBUS, ONTARIO
Myrtle, C.P.R.; Oshawa, C.N.O. and G.T.R.; Brooklyn, G.T.R. Sta.

PLEASANT VALLEY FARMS SHORTHORNS

Herd headed by Imp. Loyal Scot. Have for sale, 10 high-class young bulls of herd-heading quality and several of the milking type. Also females of the leading families. Consult us before buying. **GEO. AMOS & SONS** MOFFAT, ONTARIO
Farm 11 miles east of Guelph; C.P.R., 1/2 mile from station.

Woodholme Shorthorns and Berkshires

Young bulls, cows and heifers of choicest Scotch breeding and high-class quality. Also young sows bred and ready to breed. **G. M. FORSYTH,** Claremont, P.O. and Stn., C.P.R.

To Farmers

SPRING 1915

Farm help from England, Scotland and Ireland.

Special care given to selection. Write, stating particulars, whether experienced, partly experienced, or inexperienced help required.

New magnificent steamers for direct Canadian service.

ANDANIA ALAUNIA
ASCANIA HAUSONIA
AURANIA, 14,000 tons, building. One class (II.) Cabin. Lowest Rates. Apply:

Cunard Steamship Co. Limited
Immigration Dept.
114 King Street West, Toronto

GRAND TRUNK RAILWAY SYSTEM

DOUBLE TRACK ALL THE WAY

TORONTO-CHICAGO TORONTO-MONTREAL

The International Limited

Canada's Train of Superior Service
Leaves Toronto 4.40 p.m. daily, arrives Detroit 9.55 p.m. and Chicago 8.00 a.m.

MORNING SERVICE

Leaves Toronto 8 a.m., arrives Detroit 1.45 p.m. and Chicago 8.40 p.m. daily.

LAST TRAIN OUT OF TORONTO AT NIGHT

Leaves 11.35 p.m., arrives Detroit 8 a.m. and Chicago 3 p.m. daily, assuring important connections with principal trains for Western States and Canada.

FOR MONTREAL

Leave Toronto 9 a.m., 8.30 p.m. and 11 p.m. daily. Berth reservations, etc., at G. T. R. ticket offices.

Lochabar Stock Farm

Offers some choice Shorthorn bulls and females of different ages; also Leicester sheep and Berkshire pigs at reasonable prices.

D. A. GRAHAM

WYOMING :: ONTARIO

Fletcher's Shorthorns. Imp. stock bull, Royal Bruce—56038—(89909) 273853, for sale or exchange. Royal Bruce is a choice-bred Bruce Mayflower; was imported by Mr. Arthur Johnston for his own use. Young stock of either sex for sale. **Geo. D. Fletcher, Erin, R.R. No. 2.** Long-distance Telephone. Erin Station, C.P.R.

Morrison Shorthorns and Tamworths Bred from the prize-winning herds of England. A choice lot of young boars fit for service and also young sows bred, and also a choice lot of young bulls and heifers sired by Proud Loyalist (Imp); from choice cows. **Chas. Currie, Morrison, Ont.**

GLENLEA SHORTHORNS For sale—Our herd bull, Buckingham Bridgroom, 81270. He is a dark roan, low set, mellow-fleshed bull, four years old. Quiet, active and sure. If in need of a good bull, write us. **John McLean & Son** :: Rodney, Ontario

SHORTHORNS

Young bulls and females of the best type and quality, heavy milking strains and flesh combined; also the imp. Duthie bull, Scottish Minstrel, 68710. **Thos. Graham, R.R. No. 3, Port Perry, Ont.**

Please mention "The Farmer's Advocate."