



The "Giant" Will Stand the Strain

A HALTER is as strong as its weakest part.

The "Giant" has no weak parts. It is made of durable harness leather and strong, hard rope. The shank goes into, and forms part of, the halter. No horse can pull out of it—your hardest "puller" can't break it.

Roomy fitting around the nose, permitting it to be slipped easily over a horse's head. Weighs less than two pounds. Ask your dealer for the "Giant" Halter. If he can't supply you, order direct. Prices: Regular Weight, prepaid, \$1.40 (or \$1.50 West of Fort William). Extra Heavy weight, prepaid \$1.75 (or \$2.00 West of Fort William).



BREAKING A COLT. is hard enough—but breaking a "Classic" Colt Halter is impossible. Don't let your colt get the habit of breaking his halter, or you will have constant trouble with him. The "Classic" halter is made for colts up to 1 year. Strong, durable leather and 1/2" rope. Try it on the frisky ones.

Sent, prepaid, for \$1.00 (or \$1.10 West of Fort William). Write for FREE LITERATURE. G. L. GRIFFITH & SON, 68 Waterloo St., Stratford, Ont. 17-E

MESSRS. A. J. HICKMAN & CO. (Late Hickman & Scruby) Court Lodge, Egerton, Kent, England, Exporters of **PEDIGREE LIVE STOCK** of all descriptions. Speciality made of draft horses, beef and dairy breeds of cattle, show and field sheep. Illustrated catalogues and testimonials on application. All enquiries answered with pleasure. Now is the time to import. Prospects were never better, and insurance against all war risks can be covered by payment of an extra 1% only.

FOR SALE

Two registered Percheron stallions, two and three years old. Owner obliged to sell. Account ill health. Apply P. N. Brown, 589 Homewood Ave., Peterboro, Ontario

ELM PARK, ABERDEEN-ANGUS

From 1893 to 1918 inclusive our herd has been shown at Toronto and other large Canadian shows from Halifax, Nova Scotia to Edmonton, Alta., and have during these years won more prizes than any competitor. Our herd now numbers over 80 head and we never had a better lot of bulls and females for sale.

JAMES BOWMAN, Box 14, Guelph.

SUNNY ACRES

Aberdeen-Angus

Present offering: 15 young bulls, 5 to 10 months; also 6 breeding females.

G. C. CHANNON

P. O. and 'Phone - Oakwood, Ont. Railway connections: Lindsay, C.P.R. and G.T.R.

Alloway Lodge Stock Farm

Angus—Southdowns—Collies
SHOW FLOCKS

Rams and ewes. Heifers in calf to Queen's Edward, 1st prize, Indiana State Fair.

Robt. McEwen, R.R. 4, London, Ont.

ABERDEEN-ANGUS

MEADOWDALE FARM, Forest, Ont.
ALONZO MATTHEWS, Manager **H. FRALEIGH, Proprietor**

ABERDEEN-ANGUS CATTLE
Fine young bull "Grape Grange Abbot" coming two, from sire which took 1st prize at Toronto and Ottawa. Price \$225. Also heifers. Apply A. Dinsmore Mgr. "Grape Grange" Farm, Clarksburg Ont. 1 1/2 Miles from Thornbury, G. T. R.

Beaver Hill Aberdeen-Angus and Oxfords

Cows with calves at foot. Females all ages. Bulls of serviceable age. Ram lambs and a few shearling ewes.

Alex. McKinney, R. R. No. 1, Erin, Ont.

For Dual-Purpose Shorthorns

Also Dorset-Horned Sheep, apply

Valmer Bartlett, R.R. 2, Canfield, Ont.

Maple Leaf Farm Shorthorns—Missie, Mysie, Miss Ramsden and Lavinia cows in calf for sale. Shropshires—Usual offering by our imp. ram. **JOHN BAKER, R. No. 1, Hampton, Ont.** Bell 'phone. Solina, C.N.R.; Bowmanville, G.T.R. and C.P.R.

The Efficient Operation of Threshing Machines.

In last week's issue of the Advocate we published an article by R. J. Tolley, of U. S. Dept. of Agriculture, on the Efficient Operation of the Threshing Machine. The following is a continuation of the article by the same writer. Undoubtedly there is considerable loss of grain at times, due to carelessness in setting and handling the machine. Mr. Tolley gives information which should be of value to old threshers as well as those operating a machine for the first time.

The most essential thing in setting a separator for threshing is to get it level. Here again, the thresherman should not guess, but should have a good spirit level and use it at every setting. To do its best work the machine must be as nearly level as possible from side to side, and it is generally conceded best to have it level lengthwise, although a few inches difference in level between the front and rear ends is not likely to be detrimental. If the machine is set on soft ground, one or two of the wheels may sink further into the ground than the others after it has been standing for a short time, and the operator should not forget to watch this point.

A very slight difference in level between the two sides of the separator will make the shafts all run against the bearings on the lower side and have a tendency to cause them to heat. It will also cause the grain constantly to work toward the low side of the separator and make it more difficult for the cleaning mechanism to do good work. Even if the machine is set on a barn floor, it should be leveled carefully, for barn floors are rarely precisely level, and the weight of the separator may make it sag in weak places.

The main drive belt should hang loosely over the pulleys, with just enough tension to keep it running smoothly. If it is too tight, it will have a tendency to pull the separator out of place and will put unnecessary strain on the cylinder shaft and boxings and possibly make them heat or pull the cylinder out of line so that the teeth will not run true.

When threshing in the open, it is well to pay attention to the direction of the wind, if there is any choice in the direction in which the machine is to be set. It is much more pleasant for the men working at the machine if it can be set so that the wind blows the dust and chaff away from them. If a steam engine is used, the setting should be such also that sparks will be carried away from the separator and straw stack.

The separator should always be blocked solidly to prevent vibration as much as possible, and to prevent the belt from pulling the machine forward. It will frequently save some time if blocks of the right size and shape for this purpose are selected or prepared before the threshing starts, and carried with the machine from place to place. Worn-out or broken plowshares make excellent blocks.

Cylinder and Concaves.

The problem in adjusting the cylinder and concaves is to get them placed in proper relation to each other, with the right number and arrangement of teeth in the concaves for the grain that is being threshed. The adjustment should be such as thoroughly to loosen all the grain from the heads without cracking it or breaking up the straw into such fine pieces that the separation will be difficult.

It is essential that the cylinder and concaves be adjusted so that each tooth is at all times equally distant from the two between which it is passing, and that the concaves be kept close enough to the cylinder that unthreshed heads cannot get through. The first thing in adjusting the cylinder is to see that the shaft is aligned properly, that is, that one end is not farther forward than the other. There is a constant tendency for the end of the shaft to which the main drive pulley is attached to pull forward, and at the same time force the other end back. The next step is to take up any superfluous end play. Some provision for regulating end play is found on all machines. The space that must be left to prevent friction on the end of the shaft and consequent heating is from one thirty-second to one sixty-fourth of an inch, or just enough to allow the shaft to run freely. Any more play than is absolutely necessary, should

Sale of 30 High-class SHORTHORNS

5 Young Bulls and 25 Females

AT FLORENCE, ONTARIO,

Tuesday, October 15, 1918

AT 1.30 P. M.

This offering is one of the most select small herds in Western Ontario. Every animal offered will be found a straight breeder's proposition, and some of the cows are extra good milkers. The following families are represented: Clippers, Kilblean Beautys, Stamfords, Claras, Minas, Clementinas, Jealousys, and included are

THREE GRANDDAUGHTERS OF THE GREAT RIGHT SORT IMPORTED.

This is a choice lot of cattle which breeders should not overlook, for there are many individuals among it which would look well in any herd.

In addition to the splendid Shorthorn offering there will be sold a number of good horses, hogs, sheep, grain, implements, and seed corn.

The sale will be held on the farm, four miles north of Florence. Parties coming by C. P. R., or G. T. R., to Bothwell, will be met on morning of the sale and dinner will be served. Catalogues are now ready and will be mailed on request.

Robt. Currie & Son, Florence, Ont.

Capt. T. E. Robson and Geo. E. Brown, Auctioneers.

English Dual-Purpose Shorthorns

For Sale—A number of young bulls of a year old and under from imported dams and sire. They have the advantage of long continued specialized breeding under skillful English experience to combine milk and meat. Such a bull will increase the usefulness of your herd.

Also For Sale—English Large Black Pigs—A great breed, good growers and thrifty. Write or visit farm.

F. WALLACE COCKSHUTT, Lynnore Stock Farm Brantford, Ont.

Dual-Purpose Shorthorns—Herd headed by Burnfoot Champion =108945= and his sire's dam was champion mature cow of Canada for three years. Cows with calf at foot for sale. They are of same family as Buttercup =111906=, which holds the R.O.F record in 3-year-old class. **GEO. W. CARTER, Ilderton, Ontario**

WALNUT GROVE STOCK FARM

Scotch Shorthorn cattle and Oxford Down sheep. Herd established in 1840. Herd headed by the great breeding bulls, Gainford Eclipse =103055= and Trout Creek Wonder 2nd =120741=. Extra choice bulls and heifers of the best Scotch families for sale. Also a few Oxford Ram Lambs. **Duncan Brown & Sons, M.C.R. or P.M. Shedden, Ont.**

GLENGOW SHORTHORNS

We have a choice offering in young bulls, fit for service. They are all of pure Scotch breeding and are thick, mellow fellows, bred in the purple. **WM. SMITH, COLUMBUS, ONTARIO.** Myrtle, C.P.R.; Brooklyn, G.T.R.; Oshawa, C.N.R.

SPRUCE GLEN FARM

Herd headed by Nonpareil Ramsden =101081= and Royal Blood =77521=. At present we have nothing to sell but we have some very good ones coming on. **James McPherson & Sons, Dundalk, Ontario.**

SALEM SHORTHORNS

Herd headed by Gainford Marquis (Imp.), undefeated in England and Canada. Sire of the winning group at Canadian National, 1914, 1915, 1916. Can supply cattle, both sexes, at all times. **J. A. WATT, ELORA, ONTARIO.**

ESCANA FARM SHORTHORNS

Five Bulls For Sale. One roan senior yearling; one choice twelve-months white calf; by Right Sort (Imp.); one select, dark roan, ten months calf; one roan yearling, by Raphael (Imp.); one roan red yearling, for grade herd. Farm 1/4 mile from Burlington Jct., G. T. R. **BURLINGTON, ONT.** **J. F. MITCHELL, Limited**

Robert Miller, Stouffville, Ont., still has a few Shorthorn bulls, fit for service, and some females that are as good as can be found for the man that wants to start right in Scotch Shorthorns. They will be sold for a low price, considering the quality, and the freight will be paid. **Write for anything in Shorthorns. One hour from Toronto.**

1861 IRVINEDALE SHORTHORNS 1918

Herd headed by Marquis Supreme =116022=; have on hand, a number of good young cows and heifers, bred to Marquis Supreme. Also a right good lot of bulls, all by Gainford Select =90772=. Anyone in need of a good young bull or a nice well-bred heifer will do well to write to. **JOHN WATT & SON, (G. T. R. & C. P. R.) R. R. 3, Elora, Ont.**

MILKING SHORTHORNS

Herd headed by Dominator 10629; cows with records up to 11,000 pounds of milk in a year. Bulls ready for service for sale. Heifers and cows for inspection. **Weldwood Farm, Farmer's Advocate, London, Ontario.**