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 TUE WED THU FRI SAT

-they're coming

There's a real thrill in the words when you see the ducks settling in to your decoys—a thrill that makes you know life in the open is the only life worth while.

Dominion Shotgun Shells

are necessary to insure the last degree of pleasure in the trip—the full bag. Dominion Shot Shells are made for the men who enjoy Canada's outdoor life that they may enjoy it more. Care and skill in manufacture insure success to the sportsman who uses Canuck, Sovereign, Imperial, Regal, Crown (Black) or any shell or cartridge that is guaranteed by the big "D" trademark. Look for it on the box.

Dominion Cartridge Co., Limited,
 Montreal, Canada.

whether it is working properly while in operation. Every part of the machine was put there by the manufacturer to serve some definite purpose, and a thresherman cannot expect to keep his machine running at its greatest efficiency unless he knows these things. He should read carefully all catalogues, instruction books and other literature furnished by the company; go over his machine with them in hand, to find out just what they mean, and keep them where they will be accessible unless he is absolutely sure that he knows everything that they contain.

Manufacturers spend years in designing, building and experimenting with their machines, and their catalogues and instruction books contain such information as applies to the particular machine which they accompany. A great deal of the trouble which threshermen experience is due to the fact that they do not run their machines according to the printed instructions, and in many cases where an expert is called it is found that the operator is either not acquainted with the instructions furnished by the manufacturers or has disregarded them, because he thought he knew more about the machine than did the man who built it.

If the grain is to be threshed rapidly and waste reduced to a minimum, it is essential that the engine should have sufficient power and the belt pulley be of the right size to run the separator at the proper speed at all times. The speed in revolutions per minute at which the cylinder should run is invariably stated by the manufacturer in the instructions accompanying the machine and is often stamped on the machine itself. A variation of more than a few per cent. either above or below this stated speed is sufficient to impair seriously the efficiency of the entire machine.

Since this is so important, the thresherman should be sure that his engine will not only develop sufficient power to drive the machine at the proper speed with the ordinary load, but that it also has enough reserve power to maintain normal speed for a few seconds under a heavy load. Even with the most careful feeding, occasional choking will occur, and, if the engine cannot maintain its regular speed with a slight overload, more or less loss of grain will be unavoidable.

When the speed is diminished, the movement of grain and straw through the machine is slackened, the straw-rack is overloaded, and the grain pan fills up. When the proper speed is resumed, the mass of straw on the rack will go through the machine without being spread out sufficiently to allow all the kernels to fall through the grain pan and conveyor. When the mass of grain and chaff which has accumulated is thrown upon the sieves, it has a tendency to choke them, partially at least, and interrupt the blast.

The operator should not guess at the speed of the machine, for a variation of five per cent. may reduce its efficiency. The only way to determine the speed satisfactorily as closely as this is to use a speed indicator. If a speed indicator was not furnished with the machine, a good one can be purchased for \$2.00 or less. One of these will last for years, and will enable the thresherman to determine at any time the speed at which his machine is running.

Since the rest of the machine is driven from the cylinder, unless there is considerable slippage of the belts, the entire machine will be running at the correct speed when the cylinder speed is right. Hence, the first thing to determine when trouble develops is the speed at which the cylinder is revolving. Even though it is known that the engine should develop the proper speed and that the belt pulleys are of the proper size to give the cylinder the correct speed, slippage of the main drive belt or an unnoticed reduction in the speed of the engine, or a combination of both, may reduce the cylinder speed too much for good threshing.

H. R. TOLLEY,
 U. S. Department of Agriculture.

For three successive nights New-pop had walked the floor with the baby. On the fourth night he became desperate and bought a bottle of soothing syrup.

"Why, James," exclaimed his wife when she saw the bottle, "what did you buy that for? Don't you know it is very dangerous to give a child anything like that?"

"Don't worry," was her husband's reply. "It isn't for the baby."

Newcastle Herd of Tamworths and Shorthorns Boars ready for service. Some bred and ready to breed; 2 splendid sows carrying their 2nd and 3rd litters. Boars and sows not akin, ready to wean. Mostly descendants of Colwill's Choice, 3-year champion at Toronto Industrial, and imp. Cholderton Golden Secret. A few nice Shorthorn heifers in calf, deep-milking strain. Young cows with calves at foot. Long-distance phone.

A. A. COLWILL, Proprietor, R.R. No. 2, Newcastle, Ont.

TAMWORTHS
 Young sows bred for Sept. farrow and a nice lot of young boars for sale. Write:

John W. Todd, R. R. No. 1, Corinth, Ontario

Yorkshire Hogs of best winning strains. Choice stock for sale, all ages. Sows bred and ready to breed. Younger stock, both sexes, from suckers up. Nearly all varieties of Turkeys, Ducks, Geese and Chickens.

T. A. KING, Milton, Ont.

Meadow Brook Yorkshires
 Have a choice offering of young boars and sows 3 and 4 months old, also a yearling sow bred to farrow in November. Priced right.

G. W. MINERS, R. R. No. 3, EXETER, ONT.

Featherston's Yorkshires—The Pine Grove Herd I have the choicest lot of young sows of breeding age that were ever on the farm. A few are already bred. Also have 10 young litters. Prices reasonable.

J. K. FEATHERSTON, STREETSVILLE, ONT.

Prospect Hill Berkshires—Young stock, either sex, for sale, from our imported sows and boars; also some from our show herd, headed by our stock boar, Ringleader. Terms and prices right.

JOHN WEIR & SON, Paris, Ont., R.R. 1

ELMHURST LARGE ENGLISH BERKSHIRES
 From our recent importation of sows, together with the stock boar, Suddon Torredor, we can supply select breeding stock, all ages. Satisfaction and safe delivery guaranteed.

H. M. VANDERLIP, Breeder and Importer, R. R. 1, BRANTFORD, ONTARIO
 Langford Station on Brantford and Hamilton Radial

A choice lot of
Poland China and Chester White
 sows, bred from winning stock. Pairs not akin. Prices easy. Geo. G. Gould, R.R. 4, Essex, Ont

Lakeview Yorkshires—If you want a brood sow or a stock boar of the greatest strain of the breed (Cinderella), bred from prizewinners for generations back, write me.

JOHN DUCK, Port Cred t. Ont.

BERKSHIRES
 My Berkshires for many years have won the leading prizes at Toronto, London, and Guelph. Highcleres and Salls, the best strain of the breed, both sexes, any age.

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CHESTER WHITES
 Now offering an imported litter, sired by Schoolboy 17, junior champion Michigan, Ohio, and Ill. Dam sired by the Grand Champion of Missouri, Ohio and Michigan State fairs.

John G. Annesser - - Tilbury, Ont.

Morrison Tamworths and Shorthorns—Bred from the prizewinning herds of England. Tamworths, both sexes; boars from 2 to 12 months. Shorthorn bulls, from 5 to 10 months old, reds and roans—dandies.

CHAS. CURRIE, Morrison, Ontario.

Berkshire Pigs Large size, choicely-bred sows in pig; boars and gilts. Can supply pairs not akin; also dual-purpose Shorthorn cattle. Young bulls for sale.

Credit Grange Farm, Meadowvale, Ont., - - J. B. PEARSON, Mgr.

INVERUGIE TAMWORTHS
 Five large litters just weaned. A choice lot of young sows and boars. Breeding stock from prize-winning herds. Priced right for quick sale.

Leslie Hadden, R. R. No. 2, Pefferlaw, Ont.

Duroc Jerseys For quick sale, 30 September boars. Our herd won all champion prizes at Toronto and London, years 1916, 1917, 1918. Visitors welcome. For further particulars, write:

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