

The "Bissell" is a 3-drum roller

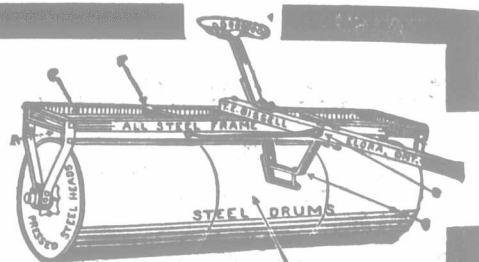
3 DRUMS make the best Land Roller. It is easy to understand how the "Bissell" Roller with 3 drums and supported by 6 heads is a **STRONGER IMPLEMENT** than any 2 drum Roller on the market. With 3 drums the centre bearing is not needed. When the "Bissell" Roller is at work, the axle turns with the drums.

It costs more to manufacture the 3 drum Roller than the 2 drum, but you pay no more for the "Bissell" 3 drum and get **BETTER VALUE FOR YOUR MONEY**. You get heavier weight in the "Bissell" drums too.

The good points cannot all be told here. Ask your dealer about the "Bissell" Roller and do not be put off

with a Roller unless the name "Bissell" is plainly stencilled thereon.

Grass Seed-er Attachment furnished if required. Write Dept. w for free catalogue. 63



T. E. BISSELL CO., LIMITED, ELORA, ONT.

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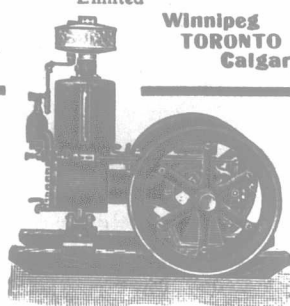
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GOSSIP.

Percy F. Clemons, manager of the Holstein herd of G. W. Clemons, St. George, Ont., in sending a change of advertisement, says: "We have just finished drying up Evergreen March, after a lactation period of fourteen months. She is in splendid condition after her record year's work, and is the picture of health and vitality. My Standard-breds are in good condition. Maud Powell, by Klatawah is undoubtedly in foal to Barongale (4) 2.11½. Dromore Farm's premier, and sire of the world's champion two-year-old stallion Justice Brooke, 2.09½, I have recently purchased from A. G. Danforth & Son, Washington, Illinois, the three-year-old chestnut filly, Custerene, by Ed. Custer, 2.10, dam Waukeen 2.15, by Sphinx 2.20½, 2nd dam May Wagner (dam of Baronmore 2.14½, Waukeen 2.15), etc., by Strathmore. She is in foal to John A. McKerron 2.04½, and should prove a valuable addition to our stock."

J. M. Gardhouse, Weston, Ont., proprietor of Rosedale Stock Farm, writes, that since the middle of December he has sold and shipped the following: One carload of draft geldings to the Inverholme Stock Farm, B. C., among the lot being two imported geldings weighing nineteen and twenty-one hundred pounds at four years old. One of these was first-prize winner at the Highland Show, Scotland, 1911. Another extra good gelding was one weighing 1,760 pounds, rising three years old, which was a winner at many Ontario shows. This carload was one of the best that ever crossed the Rockies. Wm. Hassard, Hamiota, Man., purchased the following: Gillibrand Swell, first-prize three-year-old imported Shire stallion at Toronto, 1911; Nottingham David, first-prize two-year-old imported Shire stallion at same show; also Annie, an imported Clydesdale three-year-old mare, a granddaughter of Baron of Buchlyvie. To Inverholme Stock Farm, Ladner, B. C., four choice Shorthorns, and the imported three-year-old Clydesdale filly, Rebecca Forster; to Alex. Davy, Ladner, B. C., imported Shire mare, Tuttlebrook Maud, second-prize winner at Toronto, also one Oxford ram and one Tamworth boar; to Dr. Knight, British Columbia, two Leicester rams; to Dr. H. H. Jenkins, Pincher Creek, Alta., imported two-year-old Shire colt, Coronation, also one yearling stud colt and one yearling Shire filly, eight Oxford Down sheep, one Jersey cow, and a Yorkshire hog; to W. T. Eddy, Lundbreck, Alta., one imported Clydesdale stallion, sired by the renowned horse, Woodend Galtly; to R. S. Caswell, Saskatoon, the prize-winning Standard-bred stallion, General Melrose, winner of first prize at Toronto, 1911; to Hopkin Bros., Outlook, Sask., one imported Shire stallion, winner of first prize at Toronto, 1911, also three imported Shire mares and one Canadian-bred. These mares are exceptionally well-bred, and should do good service in Saskatchewan. To J. A. Watt, Salem, Ont., three Shorthorn heifers and two Shorthorn bulls. Included in this lot is the third-prize heifer calf at Toronto, 1911, and one of the first-prize herd of calves. It is gratifying to know that animals that have been sold from Rosedale Farm have been resold for double the price paid inside of twelve months, which speaks for the stock produced at Rosedale Farm.

Fertilizer Requirements of the Potato

Extract from "The Potato Crop in Canada," by B. Leslie Emslie, C.D.A., F.A.S.I., F.C.S.

"The elements of fertility, of which a soil becomes depleted in the ordinary process of cropping, are Nitrogen, Phosphoric Acid, and Potash, and every pound of produce sold off the farm removes a certain amount of the substances, so that if the fertility of the soil is to be maintained, these essential elements must be returned in some form. This can be accomplished by applications of artificial fertilizers, either as substitutes for or supplements to barnyard manure. It has been shown by repeated analyses that a crop of 300 bushels of potato tubers removes from the soil approximately, 60 lbs. of nitrogen, 30 lbs. of phosphoric acid, and 105 lbs. of potash. A preceding crop of clover, plowed under, would furnish the necessary nitrogen; clover being peculiarly endowed with the power of assimilating atmospheric nitrogen, enriches the soil in that expensive ingredient. Three hundred pounds of Acid Phosphate would provide all the phosphoric acid, and 210 lbs. of Sulphate of Potash, all the potash required. If we allow for a small supply of these substances, available from the soil's supply, smaller quantities might suffice, but then, remember, that for a crop larger than 300 bushels, the extra requirements would be in proportion to the increase in yield over that amount."

Copies of this and other important bulletins, treating of this important subject, may be had by applying to

THE GERMAN POTASH SYNDICATE
1102-1106 Temple Building, - TORONTO, ONTARIO

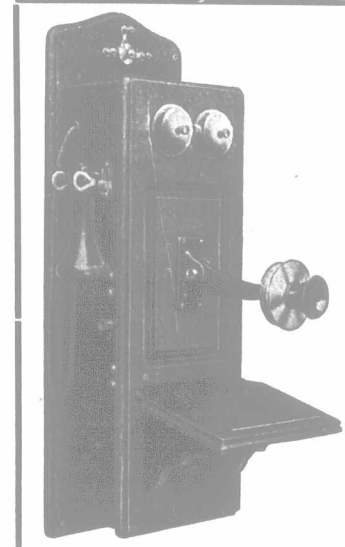
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