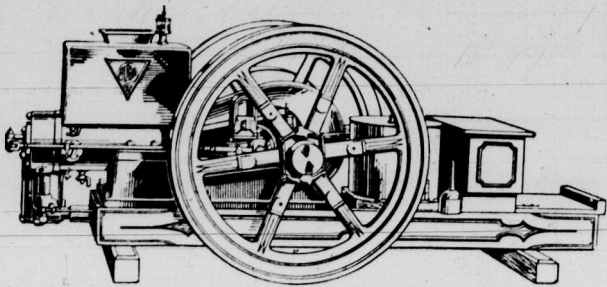


Alpha Gas Engines Are Farm Burden Bearers



The "Alpha" is a good engine for any purpose, but because there is no "mystery" in either its construction or operation it is **ideal for farm use.**

It isn't built of rough castings and put together like a stove. It's built more like a high grade watch.

It starts and runs on a slow speed magneto. That means you have no batteries to fuss with or to exhaust themselves.

You just give it a supply of gasoline or kerosene, oil it up, give it a pull and away it goes and saws your wood, cuts your fodder, grinds your feed, pumps your water, runs your cream separator or your washing machine, or anything else you want it to do. No worry, no bother, no tinkering—just plugs along like a steady well-broken horse.

Every farmer ought to have an "Alpha." Send for new catalog.

You Could Buy an IDEAL GREEN FEED SILO

every year and still be money ahead.

If you keep cows or raise stock you are losing money every year you try to get along without a silo.

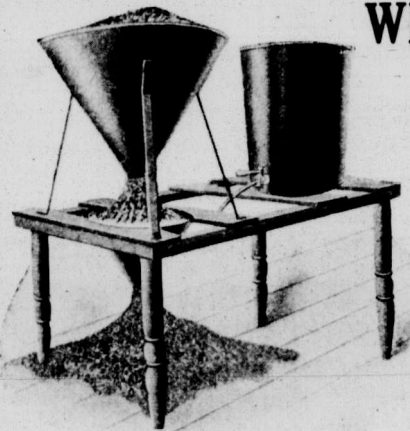
Get our Silo Book and learn how to make more money with silage.



DE LAVAL DAIRY SUPPLY CO., Ltd.

LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA
MONTREAL PETERBORO WINNIPEG VANCOUVER

SOW CLEAN SEED! WHEAT - OATS - FLAX



Hail Insurance Protects you against Hail
The Stratford Automatic Seed Grain Pickler
INSURES GOOD YIELD and SAMPLE

It absolutely kills smut on any kind of grain. It is automatic and feeds evenly—no manual labor or mechanical device required. Foremost Western farmers have used the Stratford Automatic for years, and swear by it. You are losing money every year you are without it.

We control the output of the
Dominion Specialty Co.

Patented

Write Dept. A for Information, Prices and Terms

THE MACDONALD THRESHER COMPANY LTD., WINNIPEG

Box 1296

Man.

Write For This Book!

Send 10c in stamps to cover postage, wrapping, etc., and we will mail you a copy of the "Poultryman's Handbook"—160 pages—profusely illustrated. It is not an advertisement, but a complete guide to success in poultry-raising. Money back if not pleased.

Pratts Poultry Regulator

prevents chicken cholera, gapes, roup, rheumatism, expels worms and prevents leg weakness, egg eating and unnatural habits in poultry. It is a guaranteed egg producer.

"Your Money Back If It Fails."

At your dealer's, 25-lb. pail \$2.50; 100-lb. bag \$9.00; also in packages at 25c, 50c and \$1.00

PRATT FOOD CO. of Canada, Limited, TORONTO

P-4



HARNESS

The "SQUARE DEAL" Brand
Sold Direct to Users—
No Agents

THOS. McKNIGHT, WINNIPEG, CAN. Send for my Catalog showing 30 styles

WHEN WRITING TO ADVERTISERS PLEASE MENTION THE GUIDE

cultural operations of the province. Space forbids us to go fully into the different lectures which were delivered, and we can only touch on the subjects dealt with in the papers at the present time.

Practical Addresses

Professor Cutler, of the University, gave some very practical talks on oats, their type, variety and judging. He explained the points in which the varieties of oats differ, and gave some interesting data regarding experiments with different varieties on the university farm, during a period of three years. He also touched on the diseases and blights affecting this cereal. His lecture on flax, peas and rye was listened to with deepest interest, while his talk on barley was also thoroughly appreciated.

Prof. John Bracken touched on soils and their management, and gave very interesting discourses on corn, roots and potatoes in Saskatchewan, while his lecture on grasses and clovers, and the discussion which followed the last named paper, and the discussions on alfalfa, showed that both speaker and hearers alike were thoroughly interested with the great economic value of good feeds and pastures. Prof. Bracken also gave an interesting account of agriculture in other countries.

Dean Rutherford's talk on market types, the management of farm horses, management of the dairy herd, and his demonstrations on horses, dairy cattle, and sheep, with animals taken from the various herds on the farm, were a treat in themselves and should prove of incalculable value to the different farmers who listened attentively to him.

Prof. Willing spoke on weeds and seeds and their eradication. He also gave a very attractive paper on birds and their relation to agriculture. Prof. Gregg talked about farm motors and farm buildings. H. S. Carpenter gave a good paper on the policy of the Highway Commission and the maintenance of earth roads.

Prevention and Cure

Dr. Wright touched on sanitation and hygiene, and discussed at length influenza in horses and cholera in hogs, and pointed out the symptoms, remedy and best methods of prevention.

Norman M. Ross, chief of the Tree Planting Division, Department of Interior, Forestry Station, Indian Head, touched on farmsteads and shelter belts, the growing of seeds, shrubs, and flowers and the fruit garden, on all of which subjects he is recognized as probably the best authority in Western Canada.

Besides listening to the lectures, the farmers took special advantage of their opportunity to inspect the University buildings, poultry and sheep houses and the machinery building and their equipments connected with the agricultural operations of the college.

These short course schools are of great benefit to the farming communities of the province, and, altho the course at Saskatoon was better attended this year than ever before, still there is room for even better attendance in the future. No farmer, let him be ever so well up in his profession, can afford to miss such opportunities of hearing the experiences of men who have made a lifelong study of the different phases of the profession of agriculture, and farmers should make every endeavor, if they cannot attend the lectures themselves, to make some arrangement whereby some of their boys who mean to take up farming as their life work, have an opportunity to profit by the experiences and work of such men as provided the lectures at the short course school at Saskatoon.

CAUSTIC FOR DEHORNING CALVES

If the hair around the button or horn of the young calf is chipped off, and the part is rubbed with a piece of caustic, wetted in a little water, till the skin is burned, the horn will not grow, but while it is not necessary to burn into the skull, if the caustic is not well rubbed into the horny part, the horn will grow stunted and disfigure the animal. Burning by caustic, if carefully done, is an effective way of dehorning cattle. It should be done when the calf is only a few days old and will save the cruel method of dehorning by knife when the animal has probably reached maturity; besides, dehorned cattle are much quieter, do not fight among themselves, and consequently thrive better.



Number of Draft Stallions imported to Canada in 1912, from the Government Official Report:

Percheron 314, Belgian 76
Clydesdale 371, Shire 48,
Suffolk 20.

For particulars of the popular

Percheron and Belgian Stallions

For Sale on Liberal Terms and Guarantee, write or call on

J. H. GRAHAM

Barn 313 20th Street W. (Near Barry Hotel)
SASKATOON, SASK.

RUGBY BERKSHIRES

We are offering yearling boars, yearling sows; just bred to imported boar. A number of mature sows due to farrow in November.

MCGREGOR & BOWMAN :: FORREST, MAN.

Percheron and Belgian Stallions and Mares

To Exchange for choice unincumbered Farm Lands desirably located
You have too much land and not enough stock to farm successfully

W. L. DECLOW, Importer, Cedar Rapids, Ia

Robin Hood Kennels

MOOSE JAW, SASK.

Largest breeders in Western Canada of pure bred Scotch Collies, St. Bernards, Fox Terriers, Airedales, Pointers, Setters, Cocker Spaniels, White Silk Poodles, Bull Terriers and Bloodhounds. Pups any age, any breed, for sale.

C. M. HARRINGTON, Manager
Kennels: 196 Ominica Street East,
Moose Jaw, Sask.; P.O. Box 374

Ayrshires and Berkshires

For immediate sale, 2 young bulls, fit for service, sired by our stock bull "Netherhall Douglas Swell," out of prize-winning, high producing dams.

BERKSHIRES—Two grand 2 year old boars, also a number of young pigs, 10 to 14 weeks old, both sexes, sure breeders. Order early. Will not ship anything that won't give satisfaction.

J. J. RICHARDS & SONS
Woodlands Stock Farm, RED DEER, ALTA.
Long Distance Phone

"Getting the Last Drop" Blatchford's Calf Meal

As good as New Milk at half the Cost



100 pounds makes 100 gallons of Perfect Milk Substitute.

Send for pamphlet, "How to Raise Calves Cheaply and Successfully Without Milk."

At your Dealers or

STEELE, BRIGGS SEED CO.
WINNIPEG, MAN.

IZAL

DISINFECTANT

Absolutely destroys flies, lice, ticks and other parasites. Certain cure for eczema, itch, mange and other skin diseases. Write today for free booklet, showing for what purpose you require the remedy. Put up in tins and barrels.

PARKER-WHYTE LIMITED
Izal Sales Agent for Western Canada
Winnipeg Manitoba

Every dollar you spend with the patrons of our advertising columns helps us to make a larger and better magazine for you. We protect our subscribers by investigating carefully the reliability and integrity of our advertisers—a feature that receives the approval of all honest men.