

BEATH'S FEED AND LITTER CARRIERS

GREATEST LABOR-SAVING MACHINE ON THE FARM

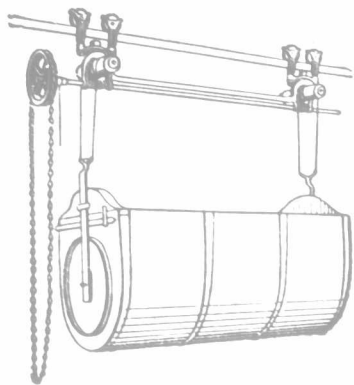


Plate No. 17

Beath's Load and Litter Carrier, illustrated herewith, is in many ways a decided improvement on other styles of hoists and carriers. This load is raised by means of an endless chain—no dog or brake required—and the four flexible steel cables supporting the load are wound on drums projecting both ways from the spiral gear. The machine is simplicity itself, and for ease of operation, strength and general utility it has no equal. All parts subject to strain are made of **Malleable Iron and Steel**, and the box is made in the most approved manner, entirely of galvanized iron. Capacity, 16 cubic feet.

A LITTER CARRIER WILL SOON PAY FOR ITSELF

Plate No. 19 represents Beath's **Heaviest Type Feed and Litter Carrier**—a machine that will handle the heaviest loads with ease. It is built for heavy work. The wrought steel frame gives it great strength, and being fitted with **triple purchase hoist** and **slow gear** any boy can handle heavy loads quite easily.

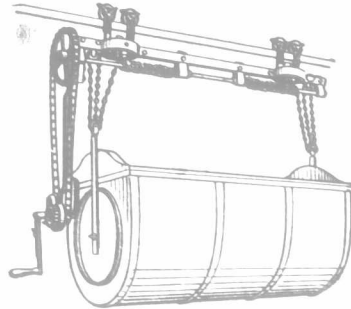


Plate No. 19

This machine is also equipped with **Beath's Patent Automatic Clutch Brake**, which makes the lowering of the box an extremely simple operation. The box can be stopped at any point in its descent without effort; the clutch working automatically.

Beath's Stanchion Cow Tie

A MARVEL OF SIMPLICITY, STRENGTH AND RELIABILITY

Excels in every point; good appearance; absolutely noiseless; no springs; sanitary. Made of High Carbon U-Bar Steel; extra heavy. Hinge and lock simple, easy working and strong; no trappy mechanism to get out of order. Every farmer building new barns or remodeling their stables should adopt Beath's Stanchion Cow Tie. Used and endorsed by leading stockmen everywhere.

AGENTS WANTED WHERE WE ARE NOT REPRESENTED.

WRITE FOR PRICES.

W. D. BEATH & SON, LIMITED

TORONTO,

CANADA.

Patent Pending
OPEN

Patent Pending
CLOSED

QUESTIONS AND ANSWERS. Miscellaneous.

DOG TAXES.

1. I had some sheep worried on the 5th of June last. Is the Council responsible? There is no dog tax in this township, and there was nothing done towards having dogs muzzled or restrained in any way.

2. Could you tell me when the time is set that dogs must be taxed?

OLD SUBSCRIBER.

Ontario.

Ans.—1. Probably, and to the extent of two-thirds of the amount of the damage, if not the whole of such amount. See Revised Statutes of Ontario, Chap. 271, as amended by the Act of 1910 (Ontario Statutes, Chap. 97). But see especially sections 18 and 20, of the Revised Statute.

2. The Act of 1910 was assented to 19th March last, and went into force immediately.

ELECTRICAL ENGINEERING.

1. Where could good book on electrical engineering be procured, and what names would they go under?

2. What are the educational requirements to begin a course in electrical engineering?

3. Where could good book on architecture be procured, and under what names do they go?

FARMER'S SON.

Ans.—Electric Lighting and Heating, by S. F. Walker; Applied Electricity, by Yorke; Electrical Engineering, by Thomson; Electrical Engineering for Students, by Bottomley. Your booksellers will be able to procure any of these for you.

2. To begin a course of Electrical Engineering at the University, junior matriculation is required.

3. There are so many phases of architecture that it is difficult to recommend on the information you have given. Possibly, Architecture for General Readers, by Statham, would meet your requirements.

WM. H. DAY.

PEREMPTORY SALE of SHORTHORNS

Owing to the destruction by lightning of our barns and stabling, together with the season's crop of feed, we will sell by auction, without reserve, at our farm, 3 miles from Londesboro, G.T.R., 5 miles from Blyth, C.P.R.

Thursday, Sept. 15

30 HEAD OF REGISTERED

SHORTHORNS

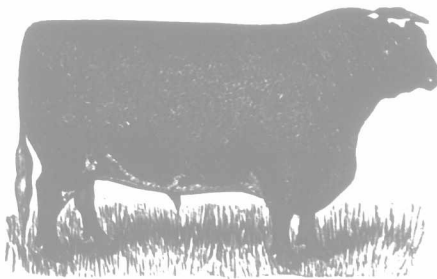
6 young bulls and 24 females of superior milking strains, including cows which have produced over 80 lbs. milk daily, and over 16 lbs. butter in a week. 12 cows and several heifers are forward in calf to the Dryden-bred bull, Lavender Lorne = 68706=.

Owing to the limited time of notice no catalogue will be published, but cattle will be sold on their registration certificates.

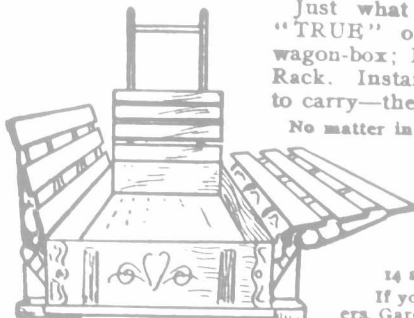
Sale to commence at 1.30 p.m. Noon trains at Londesboro and Blyth will be met, the latter by Perdue's Livery.

Terms: 6 months' credit on bankable paper. Discount at rate of 6 per cent. per annum for cash. All will be sold to highest bidder.

WM. GRAINGER & SON, LONDESBORO, ONT.



"TRUE" COMBINATION WAGON BOX AND RACK



Just what every farmer needs. With the "TRUE" on his wagon he has a first-class wagon-box; Hay, Stock, Corn, Wood or Poultry Rack. Instantly adjusted for any load you want to carry—the only tools you need are your hands.

No matter in what position you put the wings, it is impossible for them to get out of that position, but it would take you but an instant to change them.

We guarantee this article to be made of nothing but the best of material—Yellow Pine, Hardwood and Malleable Iron—and to carry two tons in any position. Made in 14 and 16-ft. lengths and 38, 40 and 42-inch widths. If you need anything in the line of Planters, Seeders, Garden Drills and Cultivators, Sprayers, etc., write for our catalogue. We have dealers in your town.

THE EUREKA PLANTER CO., Limited - Woodstock, Ont.

WHEN WRITING ADVERTISERS MENTION THE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS. Miscellaneous.

WATER FROM SPRING TO HOUSE.

Can water be taken from a spring to a house, the house being fifty rods from the spring and about 25 feet higher than the spring; in what way, and what would be the cost?

SUBSCRIBER.

Ans.—Water can be taken from a spring to a house 50 rods distant in various ways, by windmill, gasoline engine, hydraulic ram, or by hand-pump. Only one of these is automatic, viz., the hydraulic ram, and we presume that is what you want.

For a medium-sized ram, the cost would be \$25 to \$30, installed. You had better obtain the address of some manufacturers of hydraulic rams, and write them, telling how much water the spring supplies per minute, how much fall you can get below the spring in a distance of, say, 50 to 100 feet, and height from spring to tank in attic. Also state how much water per day would be needed at the house. Having given them this information, ask them if it is practicable to install one of their rams to produce desired results. If so, which size, price, etc.

WM. H. DAY.

SICK HORSE.

A sells a horse to B in Ontario, stating that there never was anything wrong with the horse. B takes him to Saskatchewan about three weeks after he bought him. He sells the horse to C a week after he lands there, gets a good payment down, the balance to be paid in three weeks. C comes along in about four weeks, saying that he was sick then, and had been sick. B told C then that if the horse died he wouldn't ask for the balance. This was about the first of April last. Now the horse has worked all summer. B asked C the other day for the balance, and he refused to pay it, saying that when he paid over \$200 for a horse, it guaranteed that the horse was sound. B had never known the horse to be sick while in his possession, and had never guaranteed the horse to C.

1. In the Province of Saskatchewan, does \$200 or over, guarantee a horse to be sound?

2. Can C hold the balance back under those circumstances?

SUBSCRIBER.

Saskatchewan.

Ans.—1. No.

2. He is not legally justified in doing so.

TUBERCULOSIS IN POULTRY.

1. We would like to know what is the matter with our hens, they get lame, and limp around for a while, two or three weeks, perhaps, then sit around, and finally die. We have lost about twenty since last fall.

2. Is there any way of getting them completely rid of vermin? We have whitewashed twice this summer, and about once a week put coal oil on the roosts, and insect powder in the nests.

3. What is the best way to break them off broodiness?

A FARMER AND HIS BETTER HALF.
Wellington Co., Ont.

Ans.—1 and 2. From the description given, I would say the birds have tuberculosis. The symptoms are, the birds go lame, lose flesh rapidly, have a sick, pale look, and, as a rule, have diarrhea along with it. If you make a post-mortem, you will find the liver covered with large, white ulcers. There is no cure for the disease. I would advise you to kill all the affected birds and burn them, clean out the henhouse thoroughly, putting in fresh earth, and whitewash with a five-per-cent. solution of carbolic acid; also use an abundance of air-slaked lime on the floors. I do not think there is anything wrong with the method of feeding. The disease may have been present for years, and a hen dying occasionally would show that some measures should be taken to get rid of it.

3. We use the fattening crate to break off broody hens, and have never found any difficulty with them returning to the nests again after being shut up for about three days. Feed only lightly while they are in the crate, and likely you will have no further difficulty.

M. C. H.