

Perfect Barn Equipments STOP WASTE



For more than 45 years our best thought and energies have been given to the problem of stopping waste on the farm—only economy of time and labor, but also conservation of soil fertility.

Our first patented device was a crude wooden hay carrier produced in 1867. From this beginning there has been development and perfection.

The Great Louden Line of Barn Tools

USED ALL OVER THE WORLD.

Louden Flexible Tubular Steel Cow Stanchions keep the cows lined up but allow perfect freedom of movement and comfort. Can be hung on homemade wooden frames.

Louden Sanitary Steel Stalls are made of tubular steel, easy to clean, keep the barn light, perfectly ventilated and sanitary.

the gutter and keep them in line; patented adjustable stanchion holders; bull and calf

Louden Feed and Litter Carriers of galvanized sheet steel, running on overhead tracks. Reduce the labor of close work one-half to three-fourths.

The Louden Line includes also, **Louden Hay Tools**; Louden's Bird Proof Barn Door Hangers; and all fittings and accessories for completely equipped barns of every size.

Let them make you money by making your cows give more and richer milk, and by saving time and labor—every kind, hand, and sweat, income \$50.00 or more per year, which is 8% interest on \$500.00. And they will last longer and give better service than any other Barn Tools made.

Patents—All Louden Tools are built under original patents covering all essential features. We guarantee our tools to be free of infringement on any patent owned by others. We guarantee to hold each and every purchaser of Louden goods safe from all harm or damage from infringement claims.

Send us a list of your barn tools and we will show you what equipment you need. We will also tell you the best way to get it. Write to us for our Catalogue "Everything for the Farm." Write to Louden Machinery Co., Dept. 402, Guelph, Ontario.



"WAKE UP"

FOR SALE

N. B. Seed Potatoes

All Varieties

"WE NEED"

50 Cars Carrots, Parsnips, Potatoes, Beets, Turnips, Cabbages

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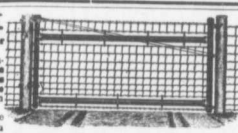
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NEWMERIFUGE

The best and most effective remedy for Bots and other worms in horses. (Guaranteed by the Farmers' Horse Remedy Co., under the Pure Food and Drug Act, June 30, 1906, Serial No. 31871.) It is guaranteed to kill and bring from the body dead in from 18 to 24 hours all pin worms and bots.

It is absolutely harmless and can be given to mares in foal before the eighth month. Practical horse owners have written us Newmerifuge has removed from a single horse. An animal whose stomach is full of worms cannot get fat or help being obstinate. Send your order today. Beware of imitations.

10 capsules, \$1.00; 15 capsules, \$1.50. Farmers' Horse Remedy Co., Dept. A, 187 - 7th St., Milwaukee, Wisconsin.



CLAY STEEL FARM GATES

Clay Steel Farm Gates are the strongest and best farm gates made. 20,000 sold last year. Every gate fully guaranteed. 60 days free trial allowed. Send for catalogue.

Canadian Gate Co. Ltd., 29 Morris St., Guelph.

The Hamilton Asylum Farm

One of the enthusiastic farmers and breeders of Canada is Dr. English, superintendent of the Insane Asylum at Hamilton. Although he has the responsibility of managing that large institution with its 1200 inmates and some 200 assistants, Dr. English takes a close interest in the 527 acre farm, as well as in the live stock. The herd at the institution includes a number of pure bred Holstein cattle. For several years Dr. English has shown his interest in this breed by attending the annual meetings of the Holstein Breeders' Association at Toronto.

Of the farm proper 340 acres are

although she had been in since December, 1910, was giving about 46 lbs. of milk a day in May.

The King system of ventilation is used in the stable and is giving good satisfaction. The ceilings of the stable are high. Not an odour of any kind could be detected. Our representative was informed that even in winter there was very little foul air.

Milking is conducted at 9 a.m. and 5 p.m. Chain ties similar to those in use at Guelph are used and are giving entire satisfaction. The water troughs run in front of each of the cows. It is claimed that these have given better satisfaction than small basins that were used previously. The



A Large Piggery Having Many Desirable Features

The large and convenient piggery at the Hamilton Insane Farm, illustrated herewith, is described in the adjoining article. To the left of the central building is another wing of equal size to the one shown.

—Photo by an editor of Farm and Dairy

under cultivation, about 100 additional acres being in lawns and garden. The butcher and sheep pens are bought in Toronto, about 34 head of cattle and 12 sheep being purchased every three weeks. These are required for the maintenance of the patients and staff. The milk used, about 1,110 lbs. a day, is produced on the farm, as well as is the pork. At present the piggery are undergoing considerable repairs and extensions. When completed they will be among the finest buildings of the kind in Canada. The cattle barn and stable is a commodious, well-arranged building and reflects credit on the institution.

An editor of Farm and Dairy paid the farm a brief visit recently and received a cordial welcome from Dr. English as well as from his capable assistants, Messrs. F. M. Regan, farm superintendent, and R. Salter, the dairyman. Farm and Dairy is much appreciated at this institution and its various articles carefully read.

ROSE OF THE HOLSTEINS
The dairy herd is a credit to the management. The stock is mostly grade, but the animals show every indication of being heavy producers. Several grade cows were noticed that would have stood high in the grade classes at any of our large exhibitions. An exceptionally fine Holstein bull, Canary Ormsby, a two-year-old, bred by George Rice, heads the herd. This is an unusually well-proportioned animal, being evenly balanced throughout, smooth, deep, long and vigorous. The full of the herd is Sir Wayne Koryndy. The herd comprises among its pure breeds, a heifer valued at something over \$500, as well as an unusually fine cow, Johanna Rue, which,

mangers are of cement but are not so high as to prevent the cattle from obtaining plenty of fresh air. It is possible to flush them out when desired.

THE PIGGERIES
Any one thinking of building a modern piggery, who can conveniently do so, would obtain valuable suggestions by visiting the piggery. This center building is 49x45 feet and contains an upright boiler and an iron receiving tank for swill in which the food is cooked. From this building there are extensions on two sides of 100x49 feet. As yet only one of these has been completed the other being under construction.

These extensions have a fall of 18 inches from the center building to the ends. There is a passage down the center, the pens being on either side. It is possible to run the feed from the feed rooms down these passages very conveniently. Each pen has a sleeping division 10x10 feet with a fall of two inches towards the center, as well as its proportion of the fall 18 inches towards the end of the building. Between the sleeping pen and the centre walk is the feeding section, also 10x10 feet with a fall towards the end of the building. A slight passage leads from the feeding pen into the sleeping pen making a small third division. The sleeping pens are built on plank both on the floors and on the sides. Dr. English considers this advisable as the building is made of cement and he finds that the pigs are less subject to rheumatism when on plank than on the loads. The sleeping portion of each pen is considerably higher than the feeding division.

About 16 breeding sows are kept. At present, including young stock, about 250 hogs occupy the pens. These were noticed to be in an unusually thrifty condition and of the true bacon type. A mechanical apparatus is used for opening and closing the windows. This is convenient and assists in providing ample ventilation.

At the end of the extensions there is an uncovered cement receiving tank for the manure. By the use of plenty of straw, this makes it possible to save much of the liquids and to increase the value of the manure. This piggery, an illustration of which appears in this issue, was completed last summer. Dr. English stated that the manner in which the stock has improved since it has occupied the new premises has been surprising.

(Continued on page 13)

The Best Built Roller

Is the "Bissell," with DRUMS of heavy steel plate, hard in temper, riveted up close, having pressed steel heads.

With AXLES of 2 inch solid steel revolving on cold rolled Roller Bearings.

With the MALLEABLE CAGE in one piece, holding the Roller Bearings in line on the axle.

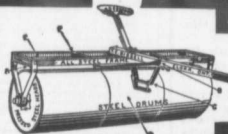
With DRAW BRACKET under the Pole, making the draught down low.

With the FRAME all of steel and the improved steel plate bottom.

You may be told that other Rollers are like the Bissell—but there is only one original Bissell

Roller and to save our customers' disappointment, we put our name on every Roller we build. Look for the name "Bissell" and ask Dept. R. for catalogue describing the "Best Built Roller."

Several styles and a variety of widths to choose from, 6 ft. up to 12 ft. Grass Seeder Attachment also furnished if required.



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