


PEERLESS PERFECTION



The Knot That Locks the Bars



The Fence That Always Stays "Put"



Strong enough to keep your own live stock where they belong and your neighbor's out. The best way to hold neighborly friendships is to fence to prevent trespassing. The fence that "locks the bars," that "stays put" is the

Peerless Farm Fence

Made of Open Hearth steel wire—heavily galvanized in such a thorough manner that it will not flake, chip or peel off. The wires are tough, elastic and springy and will not snap or break under sudden shocks or quick atmospheric changes. The joints are securely held with the "Peerless Lock," which will successfully withstand shocks and strains and yet it can be erected on the most hilly and uneven ground without buckling, snapping or kinking. We also build a full line of poultry fence, ornamental fence and gates. Agents nearly everywhere—we want others in open territory.

THE BANWELL-HOXIE WIRE FENCE COMPANY, Ltd.,
Winnipeg, Man., Hamilton, Ont.

Lumber!

If you want a CARLOAD of good lumber, at a CHEAP PRICE FOR CASH, call at our yard in the town NEAREST YOUR FARM and we will quote you lowest prices, for Cash, and you to take an entire carload, direct from car. By your doing so, we save handling or unloading and piling charges, save interest, taxes, insurance, etc., and can give you the benefit of same.

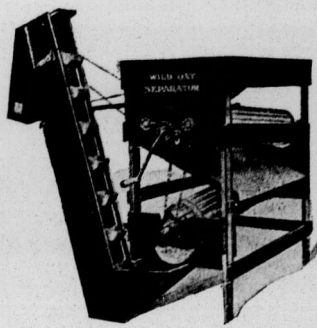
Branch Yards
in
Saskatchewan
and Alberta

Furthermore, by buying from us, YOU SEE THE LUMBER BEFORE PAYING YOUR MONEY, and if anything does not suit you, we are right there in your town to make it right. Or if you want to EXCHANGE or RETURN any stock items, you can do so with us, on same basis of prices, or GET CREDIT for what you do not need and return to us.

Atlas Lumber Co. Limited

Head Office at Calgary, Alta.

Made to Separate Wild Oats From Barley—and Does It



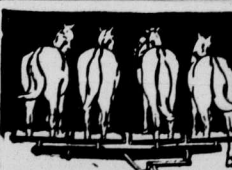
This is not a Fanning Mill, but a special machine for taking wild oats out of Tame Oats, Wheat and Barley, which we do perfectly and to your entire satisfaction.

You will note the cleaner is made with a hopper which empties into the two upper rolls made of galvanized wire and corrugated. These corrugations make the grain tumble on end rather than to slide on its side such as would be the case in sliding over flat sieves. Long bearded barley cannot be separated on a flat surface because it will go wherever the oats do. The grain standing on end as it does, allows the wild oats, which are thin berries, to go through the roll; barley being large and plump will not. The separation is in this way accomplished as the rolls revolve—and the result is remarkable.

This machine will also pay big dividends just on grading tame oats alone. Mustard and wild oats are easily taken out. Because of the tumbling motion which allows the oats to get on end, the thin ill-shaped kernels are cleaned out; the nice fat plump tame oats are saved for your seed. The same applies to cleaning wheat.

Special Power Attachments can be Furnished
A remarkably cheap machine for the work it does. Write for Price Today.

TWIN CITY SEPARATOR CO. LIMITED
179½ BANNATYNE AVENUE EAST - WINNIPEG




The World's Best Eveners Help to Stop Your Farm Leaks.

Heider 2, 3, 4, 5 and 6-horse eveners on the market 12 years. Often imitated but not equaled. The Heider 4-horse plow eveners work 4 horses abreast on gang, sulky or disc plow, one horse in furrow, three on un-abreast on gang. Heider 3-horse wagon eveners for wagon, manure spreader, grain drill or other implements with pole.

HEIDER EVENERS are the means of many short-cuts in farming. They save time, labor and horses, consequently make you money. The Heider line is complete and manufactured in the largest evener factory in the world and is no experiment. They are made right by expert workmen, of best material and fully guaranteed. Why take chances with the ordinary kind when you can get the best? ASK YOUR DEALER for Heider Eveners. If he has none in stock, write us for free circular showing entire line and we will tell you where to get them. Address: **Heider Mfg. Co., 385 Main St., Carroll, Iowa**

Write for Free Circular Showing Full Line



CONSTRUCTION OF BARN FLOORS

Concrete barn floors are made in two styles. The older type has a rough 1:3:5 mix as the foundation, with a 1:1½ cement mortar finish, and the other is a five-inch depth of 1:2:3 concrete. This latter method of construction is to be preferred, in that the floor is made in one piece and it does away with the possibility of poor workmanship being responsible for the two parts of the other floor breaking apart. If the ground on which the barn is built is low lying, it is essential before laying the concrete that proper drainage be provided. There should be packed well down into the soil a depth of about six inches of broken stone, rubble and cinders, from which an outlet is provided to take away any moisture which might tend to lay in the ground. In any case, if the ground is dry enough to stand the concrete without drainage, it should first of all be well packed down by rolling or tamping so that a perfectly solid foundation will be available on which to lay the floor. In order to overcome the possibility of cracks appearing in the finished floor owing to slight subsequent sinking of the foundation soil in some places, in some barns the floors are laid in slabs about 36 square feet in area. Forms are made for these out of 2x5 inch lumber, the whole being made six feet square. When laying the floor the slabs are made alternately, each slab being allowed to partially harden before the forms are removed. Then the intervening spaces are filled up and perfectly tight joints result.

The Mixture

Fine aggregate consists of sand or crushed stone, free from dust, well graded from fine material so that it will pass thru a ¼-inch mesh screen. Coarse aggregate consists of fine, clean gravel and broken stone varying in size from ¼-inch to 1½ inches. It is a mistake in mixing cement to use gravel just fresh from the pit. All the material should be cleaned, and in order to obtain this condition it should be run thru sieves of the right size to take out all dirt and impurities. If the gravel is mixed with garth or loam it should be washed before being used. For the best results one sack of Portland cement—containing about one cubic foot—two cubic feet of fine aggregate, and three cubic feet of coarse aggregate should be used. The sand and cement should be first of all thoroughly mixed together dry until all trace of light streaks has disappeared. Then the coarse gravel should be shoveled on and thoroughly mixed in. This being done, water should be added gently so as not to wash out the cement, and the whole mixture should be thoroughly turned over until the entire mass is thoroughly wet. It should be of a uniform consistency thruout. Only enough water should be used so that the water in the resultant mass should appear on the surface after it is tamped slightly. When laid, the floor slabs can be levelled up by drawing a straight-edge over the form edges and the top should be finished with a wooden float. As soon as the floor has settled enough to bear it, water should be thrown on and the whole covered with damp straw, old bags, blankets or other material, so as to keep the concrete damp. This should be kept wet for several days during the hardening process, and the floor should not be used at all until thoroughly set, say in from ten days to two weeks.

Lighting the Farm Home

Continued from Page 7

My power-house is located about twenty feet from my dwelling. We have a one-and-a-half horse-power engine belted direct to the dynamo. There is a self-starter on the switchboard. The dynamo would suffice for thirty-five or forty lights.

The cost of operation varies according to the number of lights used, and the machinery operated. At present we operate only an electrical washing-machine. We seldom use all the lights at once. Last winter the average cost was about sixty cents a week. This summer it cost but little more than twenty cents a week.

The entire cost of our plant, includ-

ing engine, electric washer and installation, was \$543.02, freight paid and everything complete. We have to fill our storage batteries twice a week in winter, and once a week in summer. We usually run our engine on Monday, when our washing-machine is in use; filling our batteries at the same time. Four hours of steady running usually suffices to fill them. We never let the pressure run lower than thirty volts. The indicator on the switch-board shows how many volts the batteries carry, and how fast we are making electricity when running the engine.

Our plant has given us perfect satisfaction so far, and we have run it for nearly a year. We enjoy the electric lights so much, and they save us such an amount of work, that we feel it would be very hard to get along without them now.

GET YOUR FARM HOME From the CANADIAN PACIFIC

An immense area of the most fertile land in Western Canada for sale at low prices and easy terms, ranging from \$11.00 to \$30.00 for farm lands with ample rainfall—irrigated lands from \$35.00. Terms—One-twentieth down, balance within twenty years. In irrigation districts, loan for farm buildings, etc., up to \$2,000, also repayable in twenty years—interest only 6 per cent. Here is your opportunity to increase your farm holdings by getting adjoining land, or secure your friends as neighbors.

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Dept. of Natural Resources, C.P.R.
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2x2x8 ft., \$12.25 2x2x6 ft., \$11.00



20x2 ft., \$13.00



13 barrels, \$27.00 12 barrels, \$25.00

16 barrels, \$42.00

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Manufacturers of All Kinds of Steel Tanks

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Same rig goes through any soil at rate of 100 ft. in 10 hours, and drills through rock. One team hauls and operates machine. Engine power if wanted. Easy to operate—no experts needed.

Small investment; easy terms. Make machine pay for itself in a few weeks work.

There is a big demand for wells to water stock and for irrigation. Write for free illustrated circulars showing different styles. **Little Manufacturing Co., Box 960, Florida, Iowa**

