

A Modern Cow Stable

The stable illustrated on page three of this issue is described by the owner, Mr. A. W. Caton, as follows: "The wall is constructed of brick and terra cotta outside and is plastered with cement. Stone piers, four feet thick at the base and tapering to two feet at the top, support the framework. These piers are 17½ feet apart. The frame rests on an eight-foot wall. The space over the cattle accommodates from 65 to 75 tons of hay, besides grain. The hay and straw are taken in at the west end of the barn by means of slings.

"The floor over the cattle is of matched lumber. The King system of ventilation is installed. The stable has cement floors throughout, the feed alley being raised about four inches. The stable is so lighted by means of 17 double windows, two feet six inches by four feet that the sun may shine in every part of the stable sometime during the day.

"The silo as shown in the illustration is 12 feet by 35 feet and is five feet in the ground. It has a capacity of 100 tons. Our herd consists of about 40 Jerseys. When in the stable, the cattle are tied by chain-hanging

Northumberland Co., Ont.

Crops in general are fair, hay is light, grain and hoe crops are excellent.—H. R. Thompson, Lennox Co., Ont.

The hay crop is fairly good and will average two and one-half or three tons an acre. Grains are a little light and straw short.—H. Mains, Carleton Co., Ont.

Hay is good, but grain will be short owing to the drought. Pastures have been good but are drying up now.—Geo. Parker, Frontenac Co., Ont.

The hay crop is extra good. Early grain will be a fair crop. Pastures are fine.—J. D. Hennessey, Hastings Co., Ont.

Fall wheat is an Al crop. Spring grains are looking well. Roots are backward.—K. A. Johnston, Peterboro Co., Ont.

Crops are very good but pasture is poor owing to drought.—L. A. Thompson, Frontenac Co., Ont.

Crops are at a standstill and pasture is burned out owing to lack of rain.—O. J. Stewart, Lanark Co., Ont.

Crops are better than last year. Corn is looking fine. Pastures are dried up.—Wm. Drew, Haldimand Co., Ont.

Hay crop was never better, and

well.—R. S. Carter, Prince Edward Co., Ont.

Crops are better than for three years past.—W. C. Guinness, Leeds Co., Ont.

Hay is an excellent crop. Grain crops are very good.—A. Garralt, Prescott Co., Ont.

Crops are about equal to last year, except hay, which is considerably better.—J. W. Carter, Perth Co., Ont.

Hay is better than the average, as are also corn and grain crops. Farmers will have more feed than their present stock will require.—I. J. McIntosh, Dundas Co., Ont.

FARM MANAGEMENT

Double Cropping with Buckwheat

Will you kindly give me your valuable advice on the following subject: Being unable to procure manure with which to enrich the soil of pasture land on a sandy hillside, I was told to have it plowed, mixed with wood ashes and sown with buckwheat, which, when in flower should be rolled, allowed to rot upon the ground and plowed in, after which clover and timothy should be sown.

The buckwheat is now in flower and ready to be rolled and plowed in. I am advised by some to repeat the operation of sowing buckwheat again, which would allow the clover and timothy to be put down early in September, and they claim to enrich the land doubly, with the double plowing and the two crops of buckwheat. Others tell me that a second growth of buckwheat would be detrimental and not advantageous. There is no great objection to me to have the pasture ready for use more or less early next spring, as I have other land for that purpose. I should like to do whatever would be conducive to in-

creasing the land. What course had I better pursue?—J. T. Portenot, Co. Que.

The treatment already given is about as good as could be devised for the rebuilding of the soil in question. I would suggest, however, that the buckwheat be turned under with a shallow furrow, say four inches deep, as soon as rolled or shortly after, then, the soil rolled again after turning the buckwheat under and harrowed.

I would suggest that this year you either sow more buckwheat or else, some time in August, say about the middle, you sow fall rye at the rate of about one bushel an acre. Let this grow until the following spring, when the land should be again plowed and seeded down to timothy and clover with a thin seeding of oats, and one and one-half bushels of an acre.

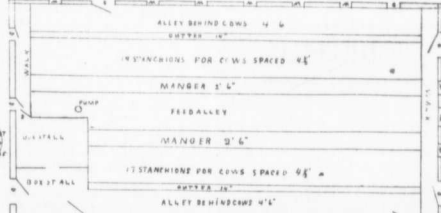
I would suggest that you apply at the time of seeding about 200 lbs. of land plaster, 100 lbs. nitrate of soda an acre. This should help the timothy and clover to make a start. Care should be taken during the first year under grass net to pasture to closely.—J. H. R.

Rather Late for Millet

I have a piece of land off which I have cut some clover. Is it too late to sow some millet, or could you suggest some other crop that would be better for feeding dairy cows?—A. G. Huron Co., Ont.

The probabilities in favor of your getting a crop of millet, sowing it at this date, are very small. However, if you could not use rape to advantage, that is, if you had not enough dry cows or other dry stock to consume the rape that would likely be produced on such an area, it would probably be worth while making the trial.

You might expect good returns from



Plan of an Up-to-date, Well Lighted, Well Ventilated Cow Stable

The plan is of the stable owned by A. W. Caton, which stable is illustrated on page three of this issue, and is described in the article "A Modern Cow Stable" on this page.

adjustable stanchions. By means of these the cows can be lined up with the gutter, short and long cows alike. Gas pipe is used for stalls between the cattle.

Reports of Ontario Crops

Unusual interest is centred in the reports of crops this year. Rumor has it that crops in the west are a failure. Such a report however, is altogether unwarranted, for while it is true in part, as applied to Southern Alberta, reports from other districts are hopeful, and a fair average crop is expected. The weekly crop report, of the Canadian Northern Railroad, dated from Winnipeg, July 20th, admits that the situation throughout Southern Manitoba is very serious. Detailed reports from some other sections are in many cases hopeless, but in other parts again, notably in Northern Saskatchewan, they bear out previous reports to the effect that the crops are in excellent condition and promise a large yield.

While there is more or less room for doubt as to the ultimate outcome of the crops in the West, good crops are a certainty in Ontario. The best crop of hay in years has been harvested. Much of the fall wheat is cut and in stock, and with few exceptions it is an excellent crop. Spring grains, for the most part, are making a very good showing and but for a few instances where an undue percentage of smut is reported, yields will be well up to the average, although the straw is perhaps not as long as in some years. Extracts from Farm and Dairy correspondents follow:

Crops are fair; in some cases better than last year.—P. O'Riley, Brant Co., Ont.

Crops are all good except peas. Pastures have been grand.—Geo. Ivey,

there are good prospects for grain. Pastures are good.—M. H. Patterson, Stormont Co., Ont.

Some crops are looking good. Late grain will be short. Pastures are just about dried up.—J. M. Wilkinson, Hastings Co., Ont.

We have more hay than for years. Pastures have been fine, but are drying out now.—Wm. Taylor, Grenville Co., Ont.

Crops are looking well considering the drought. Clover is an excellent crop. Oats are looking well. Pasture is poor.—G. H. Forestell, Hastings Co., Ont.

Clover is yielding about three tons an acre. Grain and corn look well.—Eugene Fortus, Glengarry Co., Ont.

All crops are fair except corn, which did not come up well.—Richard Wright, Frontenac Co., Ont.

All field crops are great this year. Pasture is good.—S. H. Pwiddy, Hastings Co., Ont.

Crops will be better than first expected. Oats and barley are looking fine. Pasture is short.—H. Bennett, Oxford Co., Ont.

Hay is good, grain is rather poor, pasture is poor.—N. Shillington, Haldimand Co., Ont.

A very heavy crop of hay; other crops looking well.—T. Brageau, Prescott Co., Ont.

Hay, rye, barley, oats and spring wheat are all good. Fall wheat is a little patchy.—P. J. Murphy, Lennox Co., Ont.

Oats, fall wheat and fall rye are a fair crop; barley is a little short. Pastures have been good.—A. Vanduzen, Prince Edward Co., Ont.

Crops were never better. Some corn is poor, due to bad seed and will only be a half crop.—Jas. Simms, Prescott Co., Ont.

The hay crop is extra good. Both fall and spring grains are looking

School of Mining

A COLLEGE OF APPLIED SCIENCE,
Affiliated to Queen's University.

KINGSTON, ONT.

For Calendar of the School and further information, apply to the Secretary, School of Mining, Kingston, Ont.

Mining and Metallurgy.
Chemistry and Mineralogy.
Mineralogy and Geology.
Chemical Engineering.
Civil Engineering.
Mechanical Engineering.
Electrical Engineering.
Biology and Public Health.
Power Development.

13



THE ONTARIO AGRICULTURAL
COLLEGE, GUELPH, CANADA

Will Re-Open

September 20th, 1910

Our new Calendar is now ready. We shall be glad to send you a copy. Write to-day to

G. C. CREELMAN, President.