

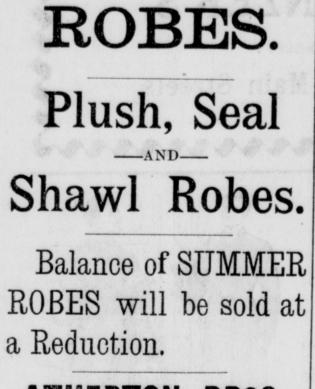
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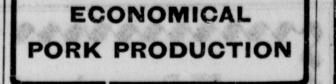
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THE DISPATCH



In the past some objections have been raised by the packers re the use of forage plants and roots for pork production, but the light of recent experiments would seem to show their fears or objections groundless; in fact, the good influence of a considerable proportion of green feed or roots in the ration of a pig can scarcely be overestimated. It has long been known that skim milk has a most beneficial influence upon the thrift of the porkers, and quality of the pork, even when the amount fed forms only a small portion of the ration. Green food and roots seem in a large measure to be capable of supplementing the now,-in view of the tremendous expansion in the Canadian bacon industry,-quite inadequate supply of dairy by-products, for use in pig feeding. The farmer whose conditions permit may go even further than to use forage plants as a supplementary food. He may even make them the chief item of his pig feen if he is careful to use a good proportion of grain, (oats, peas and barley,) during the last month of the feeding period.

As the season is rather far advanced for an exhaustive discussion of forage crops suitable for this purpose, I shall confine my remarks to such as are still seasonable. CLOVER-Probably no crop is better adapt. ed to young pigs than clover, and a bit of

clover stubble used for this purpose will give very good returns. So far as our experiments go, the pork so produced is of good quality. RAPE-Of all the crops used here so far for pasturing pigs, rape quite easily stands first. The principal points in its favor are: (1) its quick growth, (2) its wide range, as it grows well on almost any kind of land, (3) its long season, as it may be sown as late as September and still do fairly well, (4) its evident palatability, as the pigs eat it greedily, and (5) its good effect upon the quality of the bacon, producing as it does, almost invariably a good firm carcass. Rape may be expected to be fit for pasturage from 6 to 8 weeks from date of sowing. It should be

sown in rows about 24 in. apart, since when so grown it gives the greatest return per cre, and is best adapted for pasturing. It should be sown fairly thickly in the rows, say three lbs. of seed per acre. An acre may be expected to carry from 20 to 40 pigs through a season, depending on the season and the condition of the crop when the pigs are turned in. VETCHES-Vetches also are valuable as forage for swine, and may be, under exceptional conditions, sown late in the season. Especially is this true of the hairy vetch, which species has the peculiar quality of growing up again after having been cut off or eaten down. OATS-Probably no green crop will give a better return in pork than oats. They may be sown late or early in the season at the rate of 5 or 6 bushels to the acre and the pigs turned on about a month after they the new center of weight. If this should germinate. The fault of this crop is that it happen there would be a corresponding vast lasts only a short time, as it does not seem flow of water to the side turned down, and a to be able to recover when once eaten down. ARTICHOKES-Another crop of great value covered. Moreover, the piling up of so vast for pork production is the artichoke. It should be sown late in the fall or very early may break through it and let the water of in the spring. The pigs may be allowed to the sea upon the vast interior fires supposed feed on it in October and the early spring. They will do the harvesting themselves. This is a most excellent crop for brood sows in spring and autumn. Almost all varieties of juicy forage crops such a result in our time, no precaution are suitable for pork production, the sorts which human foresight could suggest would mentioned above being probably the best for be of any use. It would probably mean a Canada. The question as to the advisability of allowing pigs to graze, or shutting in a small pen and where even the scientist of Coopwood and feeding them the green crops, does not cannot predict. Entire populations would seem to have been positively settled yet, for while greater daily gains may be expected where animals are kept in close quarters, there is always the item of extra labor for Coopwood scientist is not encouraging. He cutting and carrying the forage. Another item of some importance to the better than they did in the time of Noah .feeder is the comparative economy of winter New York Post. and summer feeding of pigs. According to various experiments conducted here recently, pork may be produced at about \$1.00 per hundred pounds, live weight, less cost in pared that gets and keeps it. A graduate summer than in winter. This seems to be due to less cost of green feed, as well as to low temperature, which must be overcome by food or by artificial heat.

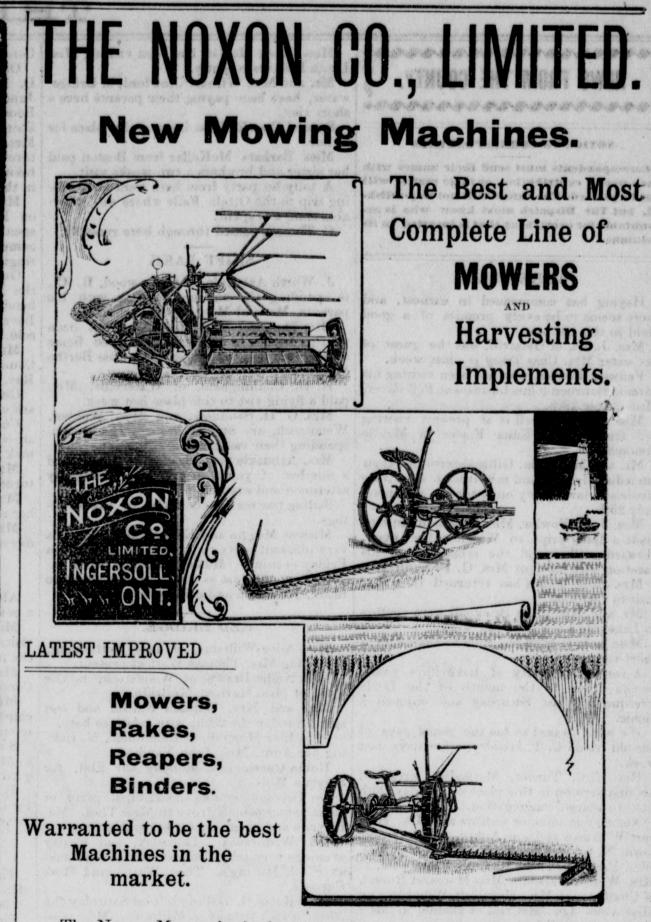


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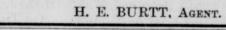
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J. H. GRISDALE, Agriculturist, Central Experimental Farm, Ottawa, Ont.

What May Happen.

Reassuring reports concerning the ultimate results of the recent volcanic disturbances must not be taken as final. A prominent scientist of Coopwood, Miss., thinks differently. He has calculated that the Mississippi River and its numerous tributaries have for a vast period of time been engaged in carry-Our course of study is the same as in ing the material of the land from countries far in the north to the Gulf of Mexico. This Write for our illustrated circular with process of transportation has resulted in shift-





weight may so disturb the center of gravity of our planet that finally it will lose its poise and assume a new position of adjustment to disappearance of water from regions now a weight on the floor of the Gulf of Mexico to be there. In such a case, there would be an enormous forming of steam which might produce terrific explosions and consequent disturbances of land and sea. If there were

great rush of waters from the Southern to the Northern Hemisphere, but just when be overwhelmed, as wide regions of country would be engulfed. As to how the people would behave when all this happens, the

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If America's Stream Ran North.

Among America's natural advantages the tendency of the streams to flow soutward rather than to the north is of great importance. A river which is frozen at the mouth while open and overflowing at its head waters is a particularly troublesome neighbor. The whole history of this continent would have been different had the Mississippi found its outlet in Hudson Bay.

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