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Pyrex — the well-known ovenware.

Silverware Community Plate in ADAM pattern.

1847 Rogers Silver Plate, Old Colony and plain patterns.

Aluminum Ware Automobile Seats Children's Seats

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Regent Watches \$2.75 to \$7.50 each

Vacuum Sweepers \$9.50 and up

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Safety Razors

Call and Look Them Over

E. T. CARTER.

Meats

Having taken over the Butcher Business of Mr. T. Harris I solicit your patronage.

We have

Home-made pure Pork Sausage.

Smoked meats and complete line of Pork, Beef, Lamb, etc.

We also Handle

Pure home-made Lard, Peanut, Butter, Oil, margarine, Sardines, A small line of Canned Goods.

E. A. WINGER

Cor. Main & Talbot Sts. JARVIS — ONT.

Shop in Simcoe

At OUR Expense

We Refund Car Fare from Jarvis on a purchase of \$4.00 and over, Hagersville \$8.00 and over, and from Nelles Corner on \$10.00 and over.

Murdoch's

Simcoe's Favorite Shopping Place

Standard Meals

(EXPERIMENTAL FARM NOTES)

MEAL FEEDS. An old proverb runs to the effect that two birds feeding the hawk is welcome. With oats feeding the dollar hawk, corn around \$1.75, beans at \$46.00, linseed meal at \$60.00, and so on ad infinitum, the stockman is prone to have his charges unwillingly investigate the proverbial law.

By "Mill Feed" is meant mill, or commercial mixtures. Standard meals, for example, refers to such feeds as bran, linseed meal, cottonseed meal, etc. While there are several mixed meals on the market, the wise buyer should upon the ready mixed and appetizing named feed or concentrate with suspicion. It is guilty until proven innocent.

First, let it be understood, no purchaser need accept a foot-stuff on the oral guarantee of the seller. [The Commercial Feeding Stuffs Act specifically states that the vendor of any brand of feed stuff must furnish as to protein, fat and fibre. Unfortunately, the Act in question, aside from the question of rigid enforcement, has too much latitude. Then too, many feeders have not a sufficiently keen appreciation of the meaning and significance of the guaranteed analysis. Price is the all too important factor. There is too tendency to purchase mixtures, the main virtue of which is an excellent advertising campaign, and a perfect delineation of the color of the feed, and to loose sight of the fact that the component parts, supposed to be present in such feeds may be purchased in standard quality mixed at home, and obtained at frequently a lesser price than the ready-mixed article.

If one has not then, the knowledge to interpret the significance of the analysis, (for which there should be no excuse, nowadays), there is a word of advice, stick to the standard product and mix at home.

There are three mechanical factors which the feed manufacturer may cleverly utilize in compounding a feed, so that it may pay that which it is not—the grinding (superfine now a days), change of color and flavor, and thorough mixing. The first needs comment none other than congratulatory to the man who invented a machine capable of reducing hulls to dust; the second refers to the use of such supplements as low-grade molasses, salt, etc., additions of a ration, of which, will frequently cause delighted comment as to the whiteness in which it is cleaned up (the milk pail is no heavier); the third, to the thorough mechanical mixture of the finely ground component parts,—like whitewash covering a multitude of sins and sinners.

Aside from the basic or standard parts of the mixed feed, by which parts are meant for example, corn, oats, barley, peas, shorts, bran, etc., what may be added to obtain bulk and profit? Answering in an Irish way—why do the manufacturers of rolled oats for example, in nearly all cases, market stock foods as well? Hulls, small oats and mill refuse, the market for them in the straight form is limited. And the fact that the most reputable firms as mentioned, manufacture a side line of, in several cases, excellent merit for the sole purpose of unscrupulously palming off a troublesome by-product, is an indication what may be expected from the fly-by-night concerns. When offered barley feed, or oat feed, or corn feed, or molasses feed, from any but a reliable firm, stop, look and listen. There is a reason.

Besides the addition of excess fibre in the form of hulls, there has been, more particularly of late, a more insidious form of adulterant to many commercial mixtures. The by product of the Western elevators, known as screenings, has where of standard content (re-cleaned screening) a very high value in the feeding of certain kinds of stock. Such has been definitely and conclusively proven by the Experimental Farms System. The latter institution together with many private individuals has, however had proof, conclusive and unforfeitable, that this product has not always been standard. Further, it would appear that the reuse by product of this material to which the manufacturer or may have access, with the upshot that there are mixtures on the market to day which aside from merely including a percentage of screenings, actually make use of the by product as a basis. The combination of screening offal, oat hulls, chaff, sweepings, and molasses, with what the chemist terms, when in doubt, a "trace" of flour, bran, corn and flax, is a fearful and wonderful, though accomplished fact.

There can be no objection to the use of standard re-cleaned screenings in a commercial feed mixture, provided the price is equitable. It is good feed, though it may darken and therefore render less attractive, the finished product. Certain of the weed seeds contained in uncleaned screenings or in screening offal have been shown to be actually poisonous to stock. True, they may be bitter, but then, molasses is a faithful corrective. To sum up, the purchaser pays a stiff price for the possibility of a low-grade, non-productive feed that has the further potentialities of poisoning his farm and injuring or destroying the health of his stock. The adoption of, and rigid adherence to, a high standard of elevator screenings will render practicable a most desirable feed, comparable to the standard meals to which reference has already been made. The undesirable second by product should be controlled absolutely and placed where it cannot be of temptation to the unscrupulous manufacturer in Canada.

Reject barley, frosted wheat, musty corn, damaged grain, generally, and all that find their way into the commercial mixture, attractively priced as compared with the standard meals. In fact, the third degree applied to the past-master of the art of commercial feed mixing, would possibly reveal truths stranger than fiction.

When buying commercial mixtures deal with a reputable firm. They sell under inspection and analysis tell the truth, if not necessarily all of it.

In a continuation of this article, the question of standard meal and mixtures thereof will be dealt with.

G. B. BOWELL, Acting Dominion Animal Husbandman.

The County road from Nelles Corner was completed to the Cayuga Line last Wednesday evening except in some places which are yet to be filled in with fine stuff from the Nelles Corner quarry. The county trucks are now bringing stone from Hagersville to fill in the quarter mile of clay within the limits of Cayuga in order to make the road passable until spring.—Advocate.

Away down on the storm swept coast of Nova Scotia, lives Bonnycastle Dale the well-known naturalists who contribute interesting articles to ROD AND GUN IN CANADA. A few years ago he lived on the coast of the Pacific Ocean gathering specimens and photos of Canadian Wild Life. December issue of ROD AND GUN IN CANADA tells the interesting story of how he spent one Christmas Day amongst the harbor seals, sea urchins and varied water life of the Gulf of Georgia. Other interesting stories and articles included in this issue are: "The Keyhole Bullet," by the skilled writer of Nature stories—George Gilbert; "In the Basin," by H. C. Haddon; "Silver Tip,"—A tale of The Far North, by Robert E. Hewes; "The Propagation of Brook Trout," by John W. Tisdale. In addition to these splendid features ROD AND GUN IN CANADA for December contains the usual high class Fishing, Guns and Trap Line Departments. W. J. Taylor, Limited, Woodstock, Publisher.

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