

The Fanning Mill: Production and Use

(Continued from page 4.)

or 20 minutes, or the time of two men for 20 minutes is worth how much? Twenty-five cents? A slow machine might take an hour to clean 20 bushels. At the same rate per hour this time would be worth 75 cts. A saving of 50 cts. on the seed for a 10-acre field of oats? And what is the price paid for this saving? It may be two or even 10 bushels of oats per acre and a liberal sprinkling of weed seeds. It looks like poor economy to say the least.

Take another example — alfalfa seed. Alfalfa seed is worth anywhere from 20 cts. to \$1 a pound—call it 40 cts. a pound. Even when operating very slowly at five bushels an hour the value of the seed that is cleaned is \$120. If it put through quickly and imperfect work done, the market value may easily be reduced 20 per cent. or to instead of \$120, only \$96. It may be worth less or even nothing. Speed is important. Efficiency is the primary consideration.

Construction of the Mill

Next to efficiency few things are of more importance than the construction of the mill. We want a machine that will stand up to the work, that will give good service over a number of years and fall to pieces after a season or two's work. This is probably more important with the screens than the balance of the mill, but if one part is well built usually it is all of good construction, and if one part is shoddy it is probably all imitation.

Simplicity is another requisite. The ideal machine is one that is easy of adjustment, one that does not require a mechanic to operate or a machinist to repair. The most successful operation of any mill will involve some experimental work to get the most out of it, but it should not be necessary to spend time in experimenting to get reasonable service. For the most part hand machines are best for ordinary farm purposes. The volume of work can readily be handled by a hand machine and the additional cost of a power outfit is not warranted by the better work they do. But there is a place for the power machine in the hands of the seed centres that are springing up here and there through the country under the supervision of the C.S.G.A. These seed centres will reap the advantage of organization through being able to supply in large quantities a good grade of seed of uniform quality. Uniformity is difficult to get where the seed is grown on a large number of farms with different soils under varying conditions of management. These differences are accentuated by having the grain cleaned by a dozen different makes of fanning mills. If each seed centre had a central cleaning plant equipped with a first-class power mill and all seed cleaned under the supervision of one man, these differences could be minimized. The improvement wrought in the grain would amply justify the expenditures.

Operation Information Lacking

When we come to consider specific methods of cleaning grains and seeds with certain impurities or separating various mixtures, we find a startling paucity of data. Most fanning mills when bought are accompanied by more or less detailed instructions for operating, but these are often not only very incomplete, but also misleading, and do not always work out in practice. The original equipment of screens is frequently not sufficiently complete to make many of the finer separations, and few Canadian manufacturers are in a position to

give any advice regarding the screens required for particular work. There appears to be a demand for information along these lines, and we now have under consideration and hope to be able to carry through a plan whereby we can get some data on this important subject. What we require is data that will enable us to say just how each make of fanning mill can best be adjusted for each specific job. This information can be got only by experimenting with each machine and with a great variety of material. It should be valuable both to those who manufacture and to those who use the mills.

A Productive Dairy Farm

In a recent report Mr. A. D. McIntosh, District Representative for Hastings Co., Ont., reports on a productive farm in his county. How many can equal or excel his record? Mr. McIntosh writes as follows: "Mr. Townsend, of Lot 12, con. 8, Thurlow, on whose farm is situated the largest and most successful cooperative piggery in Hastings County, gave me particulars of the output of his farm this year. From the 14 cows he received over \$1,500, raising only about a ton of feed not reaped on the place. He also sold \$600 worth of hogs, \$860 worth of eggs and has about \$850 worth of hay still for sale, with enough ensilage hay and grain to winter his entire stock. On our recommendation he is going to experiment this year in a somewhat extensive way with the use of crush-ers and magnificient houses and barns and auto, we are pleased to note that Mr. Townsend is not only making money, but is enjoying himself in progressive agriculture."

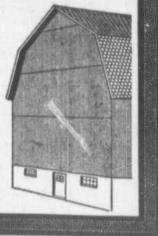
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8	40	4	5-3-7-8-9-10	31	31
8	42	4	6-6-6-6-6-6	35	35
8	42	4	4-3-7-8-9-9	38	38
8	42	4	6-6-6-6-6-6	40	40
9	40	4	6-6-6-6-6-6	35	35
9	42	4	4-4-5-5-7-8-9-9	40	40
9	42	4	4-4-5-5-7-8-9-9	43	43
10	48	4	3-3-4-4-7-7-8-8	40	40
10	48	4	3-3-4-4-7-7-8-8	40	40
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