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Getting Uniformity in Power Ratings

Continued from Page 5

many pounds can it pull (say 4,000) at its rated speed (say 2 miles per hour), then he can get a definite answer. "What size separator will your engine run?" is his next query. To this the dealer refers to the brake horse power which the engine will develop at its rated speed. It may be the owner goes to another company for his separator and asks "What size of a separator shall I get for my 12-25 engine?" The dealer may reply, "Well I know and guarantee that our 12-25 engine will run this machine." The man buys, takes it home, starts threshing, and finds he has not sufficient power. The result is a black eye for both engine and separator in that community, and a discontented owner, as he foots the bill. The tractor firm blames the separator firm, and vice versa, but the chief point is that the farmer is the goat.

Right here it is well to remember that farmers, as a class, like to overload their power machinery of all kinds, from the hired man up. The writer had his attention called to a case a few days ago where a man took a tractor home and was told it would pull three plows, and it did, in spite of the fact that he had the plows down 9 ins. and the hubs of the colters were dragging thru the ground. Another case this fall. A separator capable of threshing 1,000 bushels of wheat per day was plugged and plugged to such an extent that it was only turning out 700. An expert was called, and the result was that the man put on a rubber belt in place of a cheap canvas belt, used good commonsense in feeding, and the separator easily handled its full capacity. These are typical cases to be found all over the country. The question is, does that sort of care pay in the end? It certainly does not. But so many men are disappointed when they can't stick their outfit.

A Proposed Solution

This brings us to a proposed solution. When an engine is sold, the power it is capable of developing must be clearly stated. When a separator is sold the power required to run it under ordinary conditions must be stated. If these statements are given conscientiously a cloud will lift from this power problem, but even then there would still be much to learn in the proper handling of these machines.

The provinces might get together with the manufacturers and adopt this standard, and then each province could have a testing bureau. The colleges have the equipment right now, and there the engines could be taken and certificates of their performance under observed tests given in return. A 20 h.p. engine comes in and pulls 21 h.p. on the belt and the record is kept. If it can only develop 18 h.p., a note in the public statement to this effect would also be made. Tests should be made on kerosene as well as gasoline. The separators could be run empty and a sworn statement taken as to the power required to operate it. Then a 25 horsepower engine would always be a 25 horsepower engine, no matter what make it happened to be. Reliable dealers would be only too glad to co-operate and the fraudulent companies would see one reason why the sales receipts fell off.

Makers of engines sold but not represented by agents in the west could not put off the farmers by saying they do not have field men and therefore can be of no assistance to him. Those complying with these tests would be entitled to receive recognition, otherwise they would be foolish to have anything to do with the scheme.

Would it work? Certainly. A firm notifies the Bureau it wants a certain engine or separator tested. An official goes down to the warehouse or car and picks a stock machine. It is taken over and tested. It is a practical method, but of course details would have to be worked out. What do readers of The Guide have to say? Have they had difficulties? Do they think something needs to be done? The scrub tractor must follow the scrub stallion out of the country. It is not wanted, and the sooner a rational method of standardization is adopted the better for manufacturers, for dealers and for farmers.



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Sample Selected Stocks

FOR GENERAL CROP	Stock No.	Per Bus. Bredges
WHEAT—Marquis (Choice No. 1 Mar.)	K70	\$2.10
OATS—Banner	K74	.20
Super or Victory	K78	.21
Abundance	K72	.20
Gold Bait	K76	.20

Marquis is Excellent Seed Quality.

Pedigree and Choice Varieties

AS LISTED IN OUR CATALOG	Stock No.	Per Bushel Bredges	Calgary
WHEAT—Marquis (McKenzie's Gold Standard)	2185	\$2.75	\$2.75
Marquis (Registered)	2206	2.10	2.10
Red Fife (McKenzie's Gold Standard)	2202	2.75	2.75
Red Fife (Registered)	2204	2.10	2.25
OATS—Banner (McKenzie's Special Marquis)	2212	1.20	1.20
Banner (Registered)	2213	4.15	4.30
Super or Victory	2202	1.20	1.10
Super or Victory (Registered)	2210	4.35	4.50

N.B.—Wheat Marquis Stock K70. Price quoted above is as per conditions stipulated in our 1917 catalog.

Above prices are for quantities of 10 bushels or more. For less quantities add 5 cents per bushel. Special quotations on carloads. Use Stock Number when ordering. Add 50 cents for cotton bags (wheat, 2 bushels; oats, 10 bushels), excepting those marked (S), which are put up in jute sacks, 15 bushels each.

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Seeding costs 50c. per acre less than Wheat this year—Surest Hay Crop Grown.
Per Bus. Brandon \$1.25 Calgary 1.20 Bags 50c each

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Yields a dependable and profitable crop. Fine for cradling wild oats.
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See 20c. each Use Stock Number When Ordering	Stock No.	BRANDON	CALGARY
Western Ry. Gold Standard	2245	\$ 6.75	\$12.00
Western Ry. Gold Edge	2246	6.15	11.75
Bruma, Gold Standard	2247	6.25	10.00
Bruma, Gold Edge	2248	7.45	14.75
Timothy, Gold Standard	2249	5.25	10.00
Timothy, Gold Edge	2250	4.75	9.00
Clover, Common Red Gold Standard	2251	15.25	20.00
Clover, Common Red Gold Edge	2252	14.25	18.00
Clover, Mammoth Red, Gold Standard	2279	12.75	21.00
Clover, Alaska, Gold Standard	2278	14.75	20.00
Clover, Alaska, Gold Edge	2277	12.75	19.00
Sweet Clover, white blossom, rolled seed	2273	12.75	20.00
Alfalfa, Peruvian, Gold Standard	2253	14.25	20.00
Alfalfa, Gold Standard (Stock "A")	2254	11.75	22.00
Alfalfa, Dakota Clover (Registered)	2223	12.25	20.00
Alfalfa, Lucerne, Montana Growth	2220B	20.25	20.25
Alfalfa, German	2227	23.00	23.00

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