

Super 918D Special

SPECIAL CONSTRUCTION

ONE OPERATION CLEANS BEANS, SEPARATES SPLITS FROM DIRT

Engineered for fast, efficient bean cleaning, the Super 918D Special permits the operator to market clean both full-sized beans and lower quality splits at the same time! As illustrated, first-run commodity is scalped twice, once on the short scalping screen and again on the top large screen, is graded on the middle screen, and is delivered directly into the vertical air column. Air blast is adjusted to allow only clean beans to fall to the main delivery opening at the bottom of the machine. Splits and culls fall through the middle screen to the bottom grading screen, and are delivered dust, dirt, and trash free through the bottom screen spout. Dirt and trash pass through separate spout. Although primarily designed for bean cleaning, the Super 918D Special can also be used for market or selective cleaning as desired.

LONG SERVICE-FREE LIFE

Rigidly constructed from selected hardwoods with mortised joints and through bolts wherever possible, the 918D is built to render a lifetime of satisfactory service. To accommodate the extra-large combination bean and grain screen shoes, the machine is bigger and heavier than most Clippers. Its construction and working equipment are the best. All main shafts are of ground and polished steel. Additional features include double traveling brushes on all three large screens, delicately adjustable tilting screens, ball bearing eccentrics, metal line screenways, and nylon-covered cables. The large diameter clay crushing rolls are scientifically designed to crush clay without harming beans and may be adjusted while running or locked in a separated position.

SPECIFICATIONS

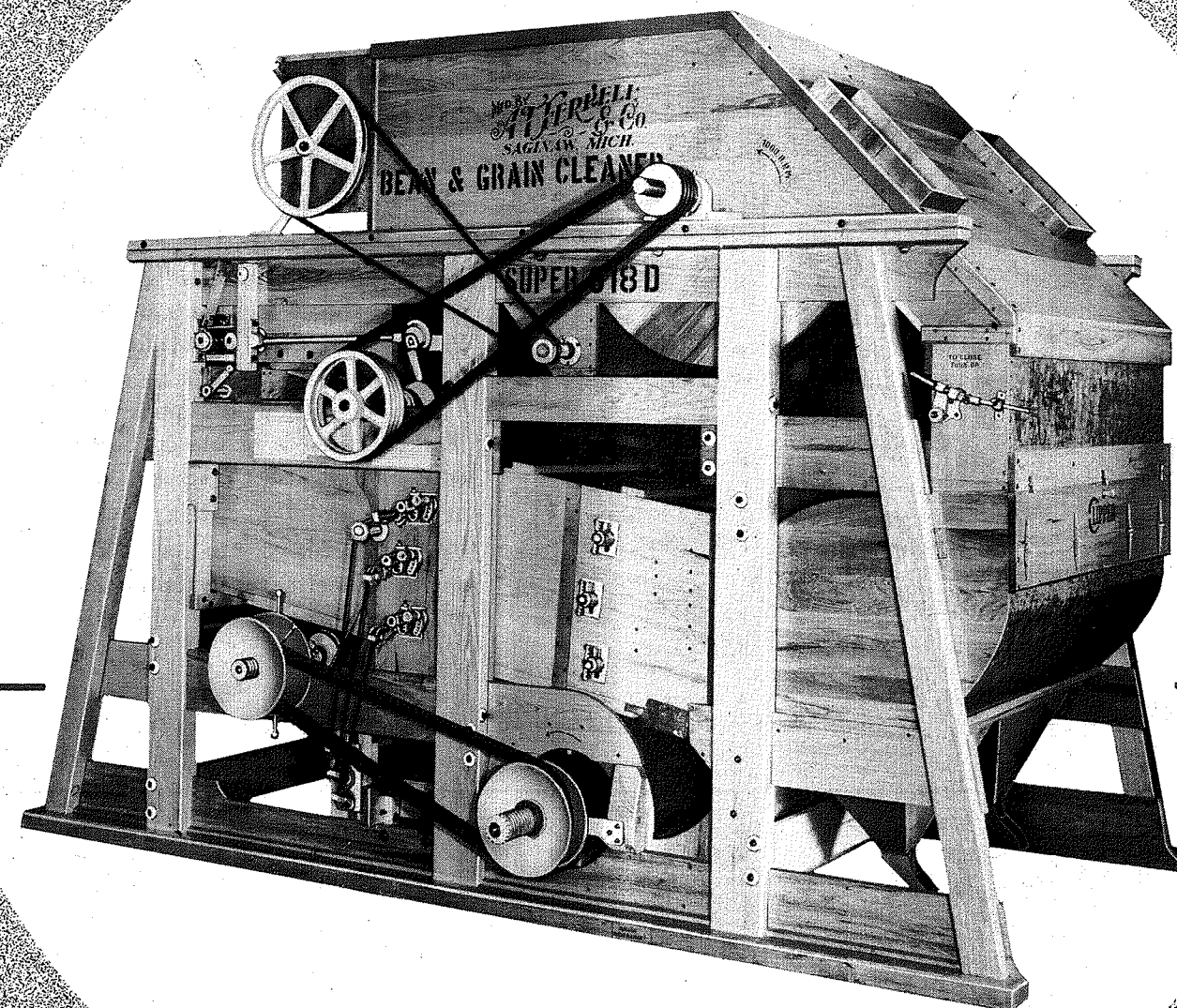
*Bushels of Seed per hour . . . 75 - 100	Extreme width on floor . . . 5'8"
*Bushels of Grain per hour . 250 - 400	Extreme length on floor . . 11'3"
*Bushels of Beans per hour . 250 - 300	Width between sills 4'10"
Scalper screen size 54" x 34"	Drive shaft speed . . R.P.M. 900
Full length screen size 54" x 60"	Shipping weight 3300 lbs.
Number of screens in cleaner 3 regular, 1 scalper	
Number of screens furnished with cleaner 10 regular, 2 scalper	
Extreme height to where commodity enters 8'4"	
Horsepower motor required 10	

Clean commodity discharges 42" from back end of sill.
Discharge opening 5" wide across full width between sills (4'10").

*Capacities given above are for market cleaning under average conditions and may be increased or decreased according to local crop conditions.

CLIPPER

SUPER
918D



COMBINATION
GRAIN AND BEAN
CLEANER

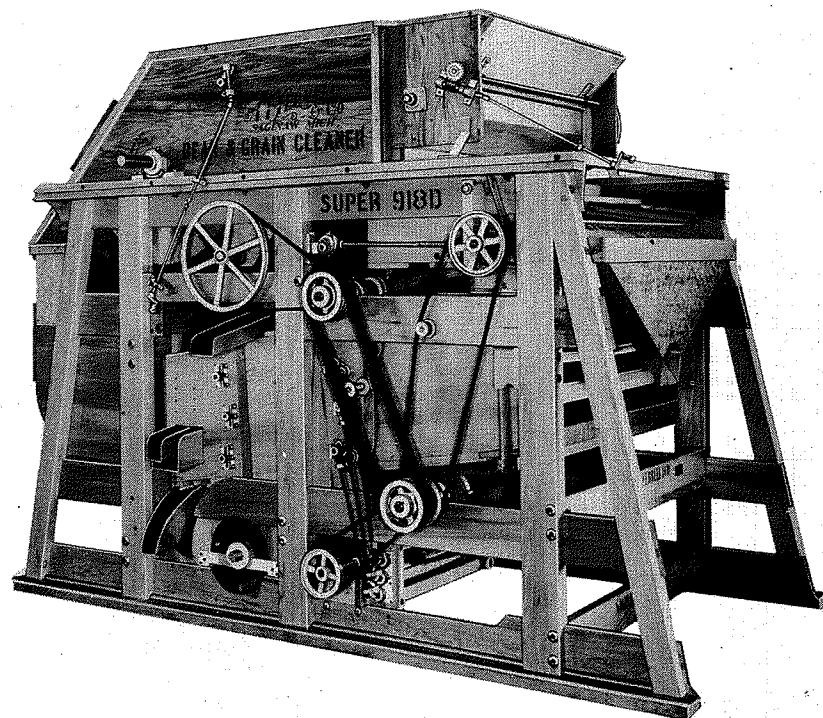
A. T. Ferrell & Co.
SAGINAW, MICHIGAN

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versatile efficiency

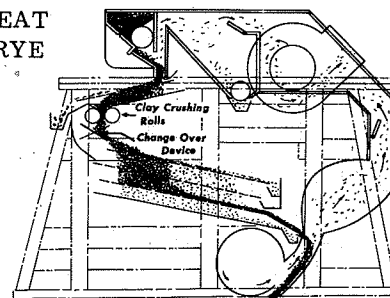
quick "CHANGE OVER DEVICE" permits market cleaning of wheat, oats, rye and barley without changing screens.

THREE MACHINES IN ONE

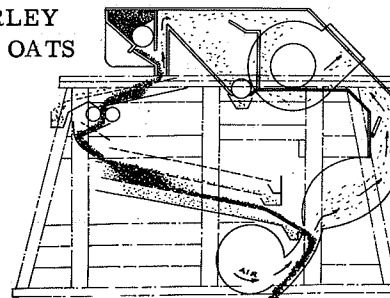


Incorporating all the features of both a complete grain cleaner and a complete bean cleaner, the Clipper Super 918D enables elevator operators to devote their entire handling facilities to either grain or beans at their respective rush seasons. While primarily designed for market cleaning, the Super 918D three screens and combination air suction and blast fans can be accurately adjusted for seed stock work. Market cleaning of wheat, barley, oats and rye can be accomplished at the flick of a switch, without changing screens. The Super 918D assures selective separation and high production capacity at new low cost.

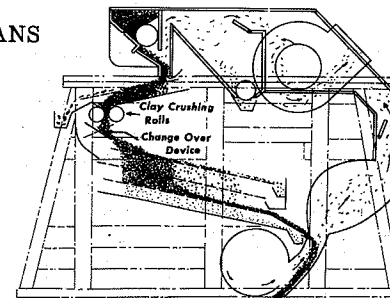
WHEAT or RYE



BARLEY and OATS



BEANS



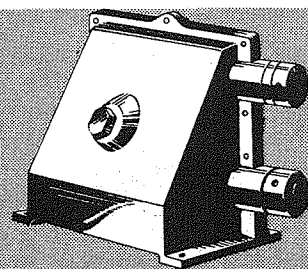
To market clean any individual lot of Oats, Wheat, Barley or Rye, it is first necessary to setup suitable screens. For example, assume we use a #30 short scalper, a #14 top full length screen and a 13/64 x 3/4 middle screen and a 1/16 x 1/2 bottom finishing screen.

As illustrated, wheat or rye passes through the Roll Feed Brush Hopper, where the top suction fan removes most of the lightweight foreign material. The commodity drops through the short #30 scalper screen, between the opened clay crushing rolls, where the quick change-over device directs the commodity to the #14 top screen. This top full length screen "scalps off" additional large trash. The commodity passes through the middle 13/64 x 3/4 screen and is graded on the bottom 1/16 x 1/2 screen and then enters the Vertical Air Column where the remaining lightweight material is drawn off before the final discharge.

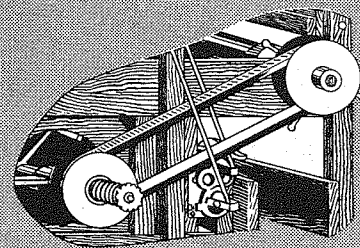
The same market cleaning procedure as above is followed for barley or oats, except that the commodity, after dropping through the short scalper screen and between the opened clay crushing rolls, is diverted by the quick change-over device to the middle 13/64 x 3/4 screen where additional trash is scalped off. The commodity drops through to the 1/16 x 1/2 bottom screen for grading and flows into the Vertical Air Column for a final air separation and discharge.

As illustrated, beans receive a three screen separation in the Super 918D, and of course screens must be changed to suitable screens for the type of bean cleaning desired. The change-over device is set to direct the bean flow to the top full length screen where the three screening operations begin. The operator can also set the change-over device to direct the bean flow to the middle screen for two screening separations if desired.

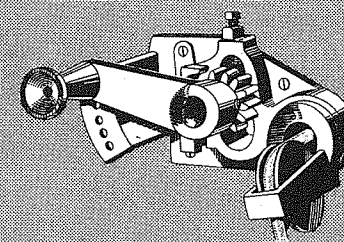
operational features



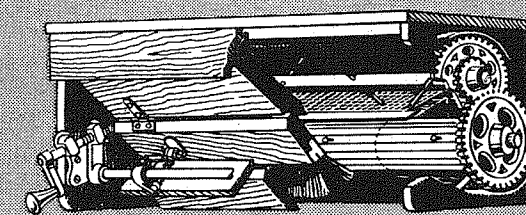
SUPER UNIT BRUSH DRIVE eliminates old-fashioned brush drive entirely, providing smooth, quiet, positive operation. No danger of machine break-downs or work stoppages. One-unit design, completely housed for full protection against dirt, grit, rust or costly extra wear.



VARIABLE AIR REGULATOR adjusts the speed of the blast fan to the exact amount necessary to maintain any desired weight per bushel. A single handwheel regulates speed of the fan, locking in any position. Tension on the new V-flat type rubber and cord endless belt is automatically kept correct.



INSTANTANEOUS BRUSH ADJUSTMENT raises and lowers brushes while changing screens and also adjusts brushes to compensate for normal wear. Instant action, positive locking in position. Simply lift out spring plunger and swing lever a notch for adjusting, or all the way for lowering the brushes.



ROLL FEED BRUSH HOPPER features a slowly revolving fluted roll which maintains an even feed across the full width of the screens at all times and effectively prevents clogging regardless of the amount of chaff and straw in the commodity, thereby allowing the cleaner to always operate at maximum capacity.