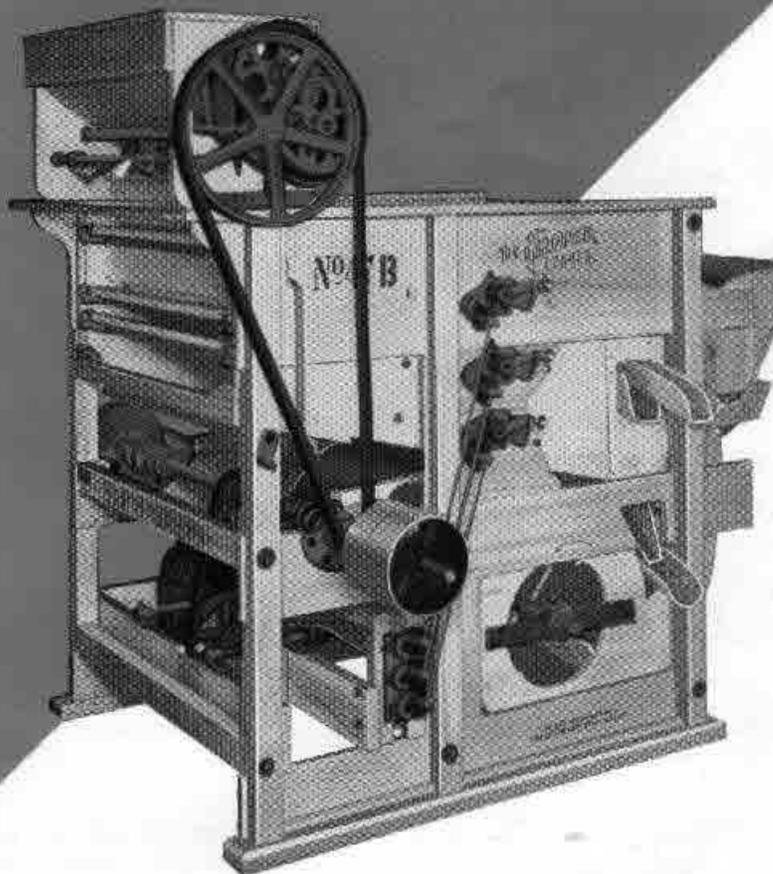


The **CLIPPER**

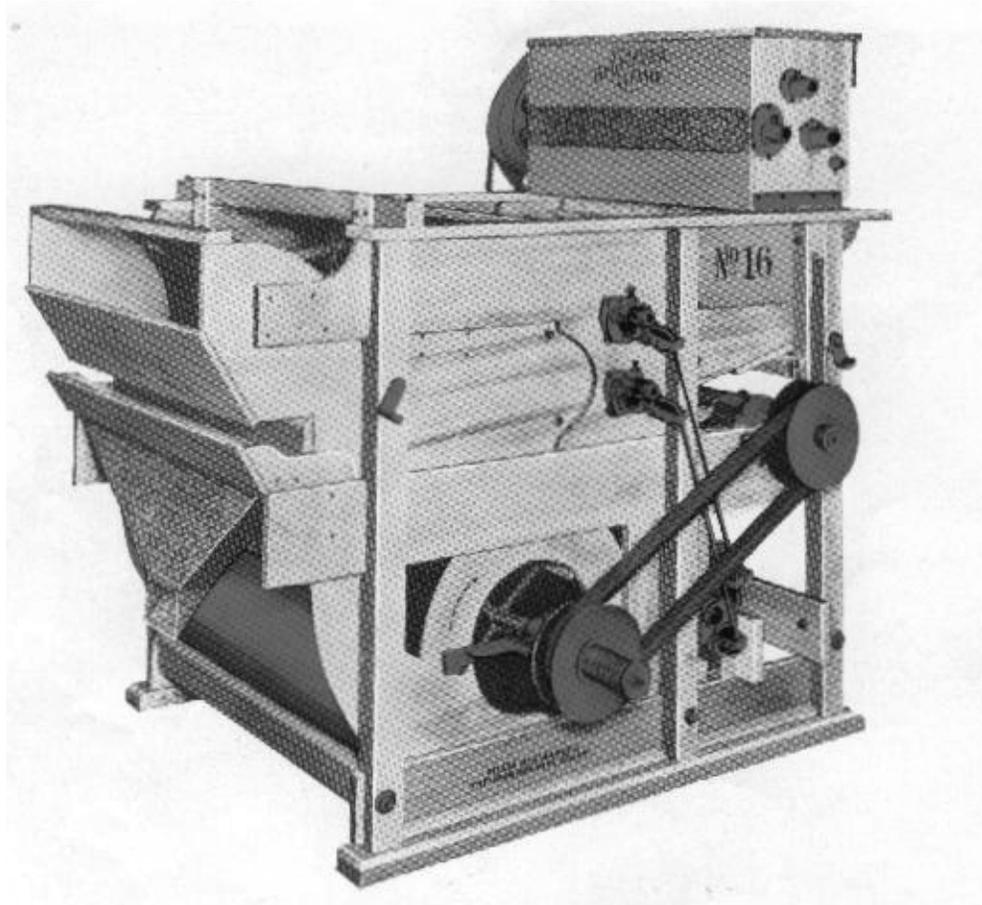
Single Fan Cleaners



A. T. FERRELL & CO.
SAGINAW, MICHIGAN

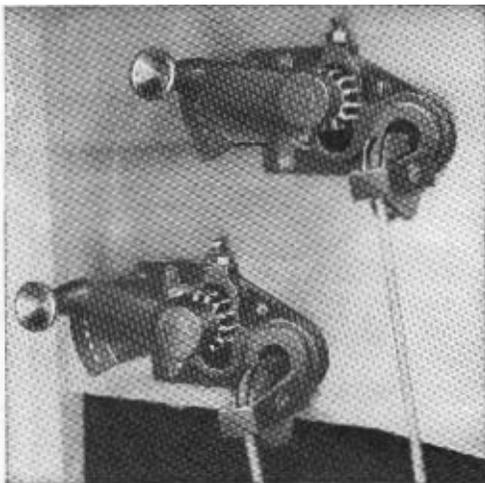
CLIPPER SINGLE FAN CLEANERS

Two Screen
Cleaner # 16



GENERAL DESCRIPTION

The Cleaners described in this circular are single fan cleaners with our New Style Variable Air Regulator, Traveling Screen Brushes and New Instantaneous Brush Adjustment. They are built with either two or three screens in four sizes; the smallest, No. 16, having screens 28 x 42 and the largest, No 398, having screens 54x60 inches. They are excellent general purpose cleaners for grain, seeds, beans and all other commodities where dustless operation is not essential. Furnished with either roll feed or plain hoppers.



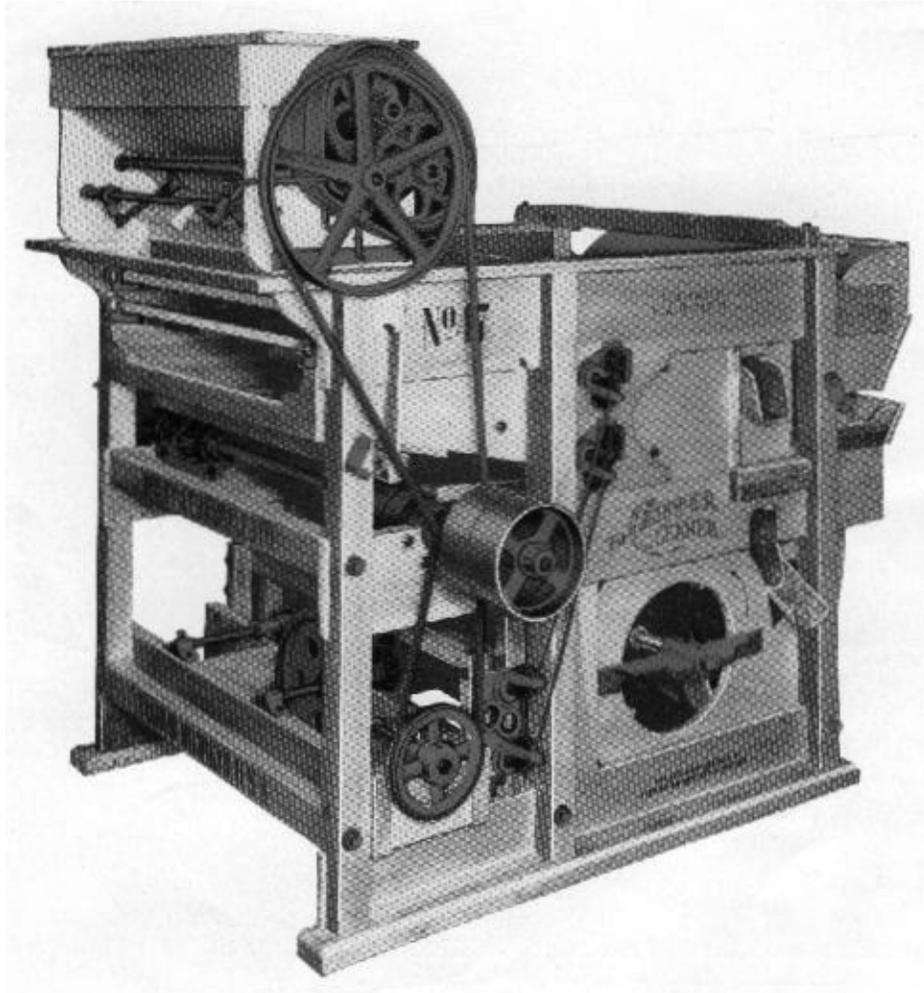
NEW VARIABLE AIR REGULATOR

A new endless V-flat rubber and cord belt has been developed which is much quieter, more efficient, and easier to adjust, and also eliminates many small parts. A few turns of a single hand-wheel adjusts the speed and blast of the fan from high to low or vice versa, and the belt tension is automatically kept at the correct amount at all times.

NEW BRUSH ADJUSTING DEVICE

Instantaneous in action, positive locking in position, simplicity of construction with no chance of getting out of order-these are the features of our latest device for raising and lowering the brushes in changing screens, and for adjusting the brushes to compensate for normal wear. Simply lift out the spring plunger and swing the lever a notch for adjustment, or all the way for lowering the brushes. That's all there is to it, and the brushes go back into the same position every time unless intentionally changed.

CLIPPER SINGLE FAN CLEANERS

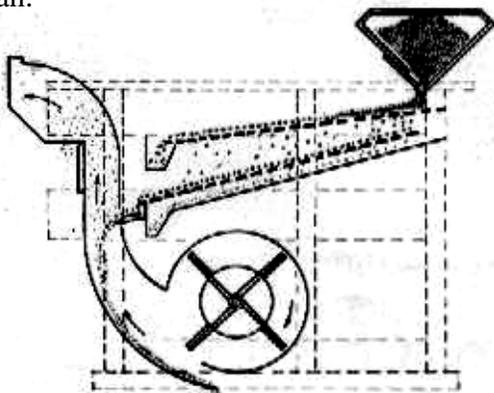


Two Screen
Cleaner # 47

CLEANING OPERATIONS

Two screen machines provide two screen separations and one air separation by blast fan.

Three screen machines provide three screen separations and one air separation by blast fan.



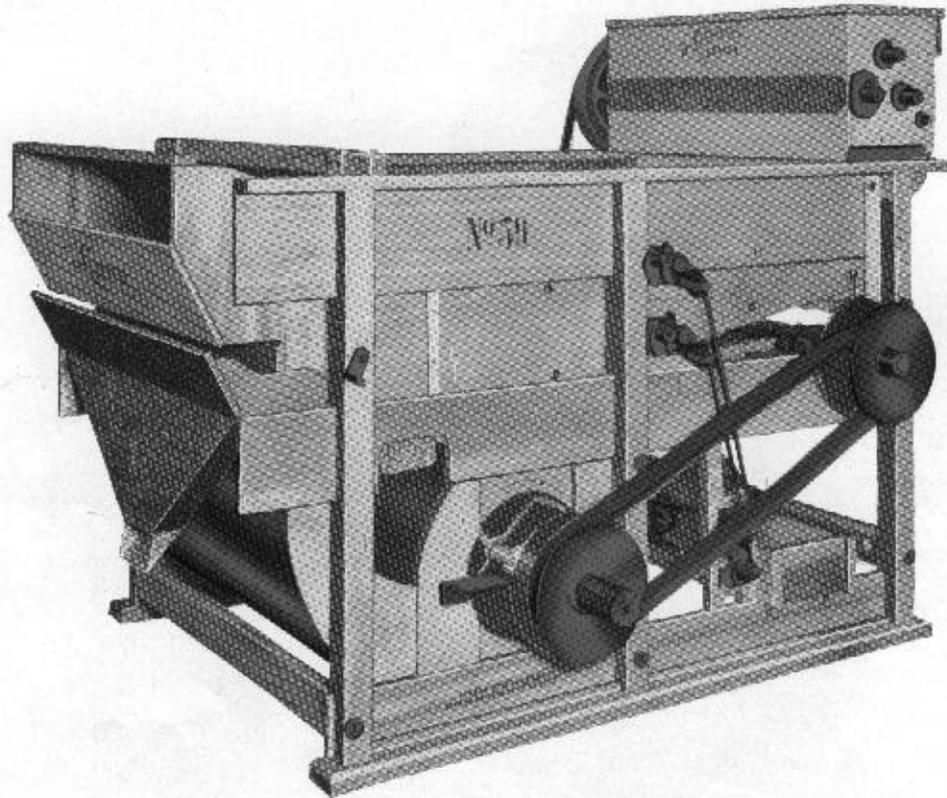
Grain Flow
Cleaner shown with Plain Hopper.

CONSTRUCTION

Clipper Cleaners are made by skilled workmen from the finest materials obtainable. The frames are strongly built of selected hardwoods with mortised joints and through bolts wherever possible. All main shafts are of ground and polished steel with ball bearings on the shaker shaft and high grade Babbitt bearings on the fan shaft. New Style V-belt drives to auxiliary units are used. Frames are filled and varnished in natural wood color and metal parts are enameled.

The screens are made with straight grained wood frames and perforated zinc or plated woven wire fabric and have a galvanized steel grain spreader board at the receiving end. They are held securely in the grooves in the shoe sides by means of spring hook fasteners. All screens, are easily removed or replaced and are interchangeable as to top or bottom position. Twelve screens are furnished with each cleaner and choice of perforation or mesh may be made for 144 available sizes.

CLIPPER SINGLE FAN CLEANERS



SPECIFICATIONS

	Model No. 16 CALIPER	Model No. 47 CAPITAL	Model No. 39 CARAVAN	Model No. 39B CALORY
Code word				
Screen size	28x42	34x42	42x60	54x60
Bushels per hour (seeds)	20-30	30-50	60-80	75-100
Bushels per hour (seed grain)	40-75	50-100	100-150	130-200
Bushels per hour (market grain)	50-100	75-150	200-300	250-400
Number of screens in cleaner	2 or 3	2 or 3	2 or 3	2 or 3
Number of screens furnished	12	12	12	12
Extreme height (inches)	85	65	68	68
Extreme length (inches)	68	68	90	90
Extreme width (inches)	60	66	75	86
Length on floor (inches)	58	56	73	73
Width on floor (inches)	37	43	51 1/2	65
Width between sills (inches)	30	36	44 1/2	56 1/2
Height to where grain enters (inches)	85	65	68	68
Height to drive shaft (inches)	28	28	31	31
Size drive pulley T. & L. (inches)	8x3	8x3	8x4	8x4
Speed of drive pulley R.P.M.	400	400	400	400
Horsepower required	1	1	2	3
Shipping weight (pounds)	850	900	1,250	1,500

Heights given are for two screen cleaners with roll feed hoppers.

For three screen cleaners add six inches and for plain hoppers subtract six inches.

Three screen machines are designated by the letter B added to the model number.

A. T. FERRELL & COMPANY

SAGINAW, MICHIGAN