

2 and 3-SCREEN MODELS - Single and *Twin Air

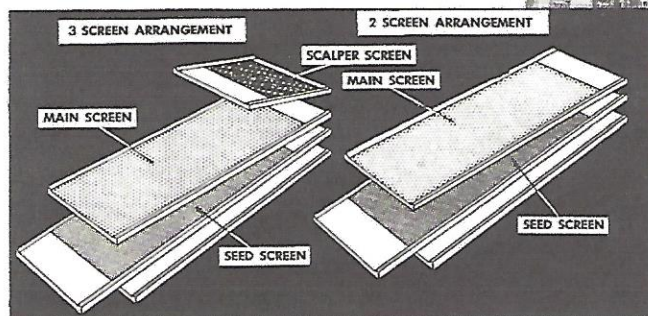
CLIPPER
GRAIN CLEANERS

Special Design for: Grain Elevators—Terminals—Flour Mills—Feed Mills
Cereal Grains, Corn, Rice and Soybean Plants.

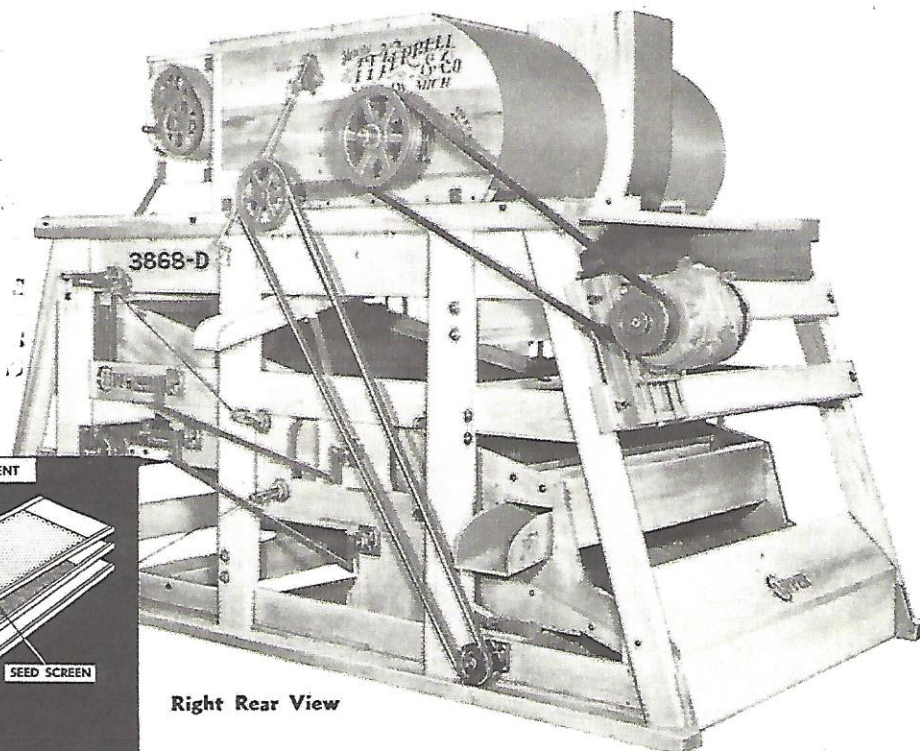
Capacities—Market Cleaning Wheat—700 to 1500 bushels per hour. (listed on page 4)

2-SCREEN MODELS covered by this description
2609-D

Refer to Screen Specifications, page 4, for screen dimensions of all models listed above.



86 inch long screens come in 3 sections.
60 inch long screens come in 2 sections.



Right Rear View

Inexpensive, fast receiver and market cleaner. Aspirates—Scalps—Sifts. Low headroom makes this series especially suitable for restricted height limitations.

SPECIAL FEATURES

1. Screen Arrangement—As illustrated above, this series is built two ways. The 3-screen 3868-D pictured at upper right uses a 34 inch long scalper, a run of 54 inch wide by 86 inch long main and seed screens and a bottom pan. The 2-screen 2868-D main screen, seed screen and pan arrangement is identical, however the short scalper is omitted. The single shoe in each case is engineered to oscillate low in the cleaner to insure getting maximum effect from the shake action, permitting no appreciable vibrations to the frame itself. Extra length of screens allows longer travel, greater capacities and increased ability for close screening.

2. Aspirating—Powerful head suction fan draws air up and through the curtain of grain as it leaves the feed hopper, making a precise air separation and quickly removing lightweight impurities before they can enter the cleaner. Heavier material settles and is force-fed by a revolving roll to the top suction discharge spout. See flow diagram, page 4.

3. *The Tail Top Suction feature found in all models listed as "D2A" is a second air separation applied at the point of cleaned grain discharge to remove dust and lightweight matter. Being adjustable, this provides a close final air separation of the commodity — by weight.

4. Design—This construction allows full view of the entire cleaning process at all times. Screens pull from the hopper end. All screens and screen cleaning brushes are readily accessible for quick change or adjustment without special tools.

5. Clipper Variable Shoe Shake which permits adjusting the shake rate of the shoe to exactly match the requirements of each run can be factory constructed on any of these models. This feature comes at slight extra cost.

6. Spouting—Above illustration shows the top suction settlings discharge spout and the main screen discharge spout. Three discharges are not visible—the scalpings discharge comes directly off the scalper screen at the front—the seed screen tailings auger discharge at the left side—the cleaned grain discharges from a 6 inch wide opening across the cleaner's full width under the rear of the machine. See flow diagram, page 4.

7. Low Operating Cost—Only a 5 h.p. motor required for all single air models. The twin-air (D-2A) models require 7½ h.p. Simplified design means minimum upkeep costs. (If other than 1750 motor used, advise r.p.m. so proper drives can be supplied.)

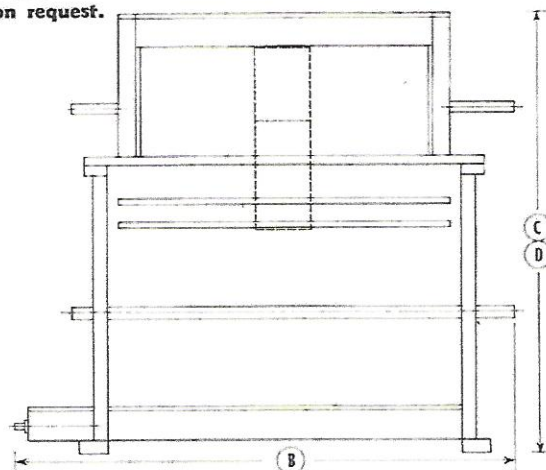
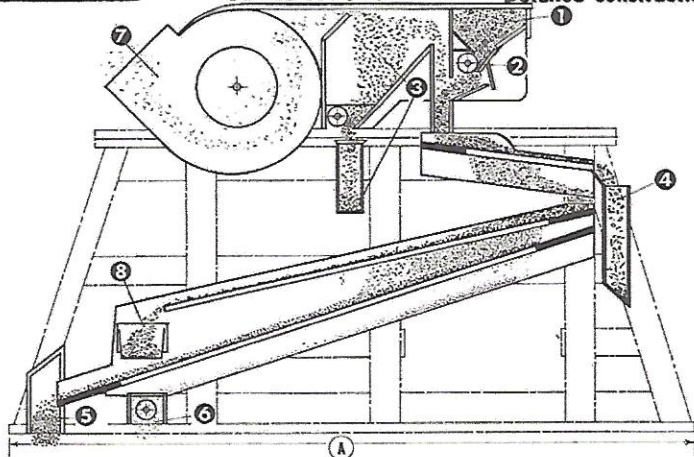
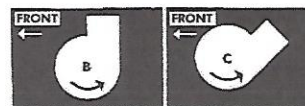
Standard Clipper Features each fully described on page one of the complete grain cleaner catalog include:

1. Unparalleled Clipper design and construction
2. Roll Feed Brush Hopper
3. Automatic Screen Cleaning Nylon Brushes—powered by the No. 80 Double Roller Chain Brush Drive.
4. Quick "Screen-a-minute" Change-over
5. One Complete Screen Dress Furnished

Specifications and Operational information on reverse page

CLIPPER**GRAIN CLEANERS****2 and 3-SCREEN MODELS - Single and Twin Air****OPERATION**

Construction and dimensions apply to either wood or all-steel construction.
Detailed construction prints on request.

**STANDARD FAN POSITIONS****LEGEND**

- | | |
|--|------------------------------|
| 1. Feed Hopper | 4. Tailings—Scalper |
| 2. Hopper Feed Roll | 5. Clean Grain Discharge |
| 3. Undesirable Liftings
—Head Suction | 6. Thrus—Seed Screen |
| | 7. Top Suction Air Discharge |
| | 8. Overs—Main Screen |

Flow—

Hopper Roll Feed Brush design explained on page one feeds grain evenly to scalper screen or main screen

Top Suction removes, settles off and discharges light impurities

Scalper Screen included only with 3-screen construction pre-scalps ahead of main screen

Cleaned Grain Discharge—opening 6 inches wide across full width under rear of cleaner

SPECIFICATIONS

	2609-D	
Screen Size (in.)	W	L
Scalper	—	—
Main	42	60
Seed	42	60
Capacities (bu. per hour)		
Wheat, Soybeans, Corn		
Coarse Screens	750	
Medium Screens	500	
Fine Screens	300	
Oats, Barley, Rice		
Coarse Screens	600	
Medium Screens	400	
Fine Screens	200	
(A) Overall Length (in.) ...	110	
(B) Overall Width (in.)	79	
(C) Overall Height (in.) ...	72	
(D) Grain Inlet Height (in.) .	72	
Drive Shaft r.p.m.	900	
Required H.P. (1750 r.p.m.)	5	
Drive Shaft Dia. (in.)	1 1/8	
Approx. Ship. Wt. Wood (lbs.)	2500	
Approx. Ship. Wt. Steel (lbs.)	3000	
Fan Outlet (inside dim. in.) ...	7 1/2 x 17 3/4	
Total C.F.M.	2310	
Recommended Clipper Collector	12	

NOTE: Dimensions print and complete specification the Twin-Air D-2A Models, listed on page supplied upon application.