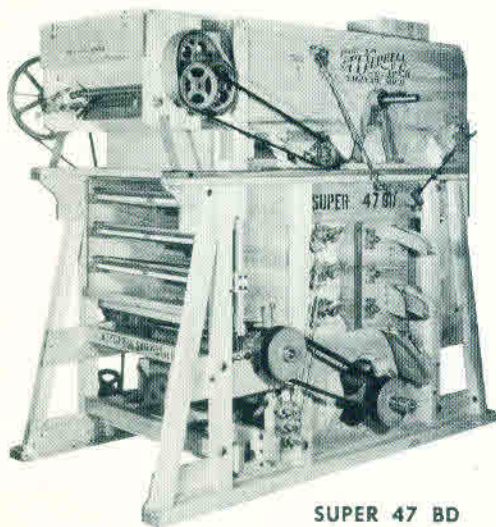
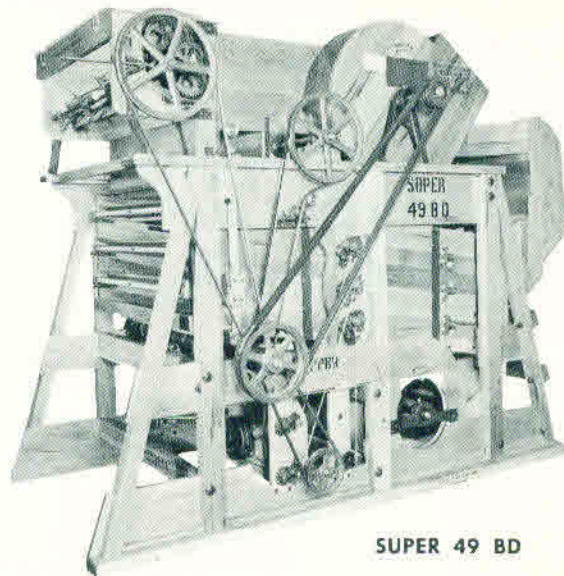


THE SUPER 40 SERIES

Grass and Clover Seed Cleaners



SUPER 47 BD



SUPER 49 BD

In this series *B* designates 3-screen construction — *D* designates dustless or top fans construction.

The last numerical digit in the model number indicates the width of screens — 8 = 54 x 60 inch frame, 9 = 42 x 60 inch frame and 7 = 34 x 42 inch frame.

This Super 40 Series contains the following 12 models:

3-screen dustless	3-screen single fan
498-BD	498-B
49-BD	49-B
47-BD	47-B
2-screen dustless	2-screen single fan
498-D	498-A
49-D	49-A
47-D	47-A

Standard equipment of each of these models includes the following Clipper features:

- Clipper Bottom Blast Fan controlled by the variable air regulator
- Adjustable Pitch Screens for determining the speed of the seed travel over the screens
- Double Traveling Screen Brushes under each screen to automatically keep screens clean
- Instant Acting Brush Adjustment to compensate for bristle wear
- Anti-Friction Bearings throughout (ball bearing eccentrics and main bearings)
- V-belt Drives

The three-screen models in this classification such as the 47-BD and 49-BD (illustrated above) do an exceptional cleaning job on clovers and grass seeds.

for example — when cleaning red clover —

1. A $3/64 \times 5/16$ top screen removes dock, hares ear mustard, ragweed and other weed seeds only slightly larger than the clover.
2. A $1/15$ or $1/16$ middle screen is the smallest round hole screen that will pass the good seed and remove sticks, stems and other trash only slightly larger than the clover.
3. The properly selected lower-screen, usually a 6 x 22 wire mesh, will make a thorough separation of small weed seeds, dirt and immature seeds of the crop being cleaned.

The three-screen dustless models, for reasons above, permit close, thorough cleaning of clovers and grasses that would otherwise have to be run twice through a two-screen machine and even through a 60 Series cleaner when the short scalper screen cannot be selected for close work.

These models will also effectively clean Grains, Beans and Peas for seed stock, however, the factory recommends the special screen arrangement advantages of the 60 Series models described on page 11 for this work.

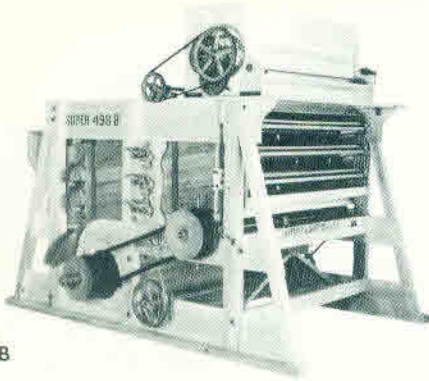
Two-screen models are used extensively where one top screen and one lower screen separation is adequate to do the job. In other words, when two top screen separations are unnecessary (refer to reverse page describing the two-screen models).

See other side for illustrations of each style and complete specifications.

SUPER 40 SERIES

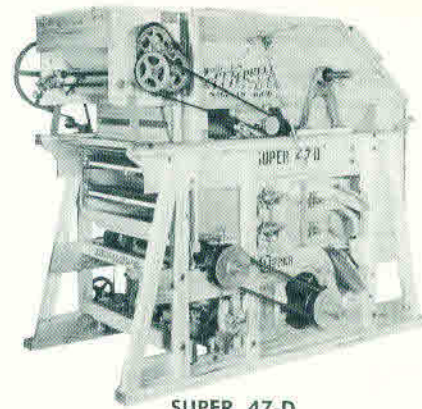
The two-screen cleaners are built approximately 7 inches lower in overall height than the three-screen models making them suitable for installations which require minimum head room.

Four of the 40 Series models can be supplied (as a packaged unit) with their own twin elevating system. This arrangement is completely illustrated and described on page 13 as the Super 100 Series.

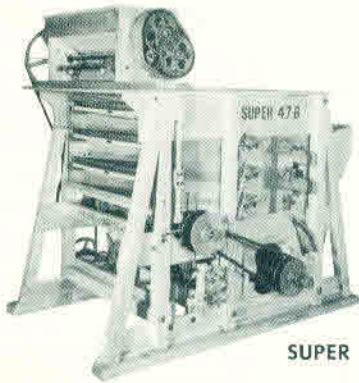


SUPER 498-B

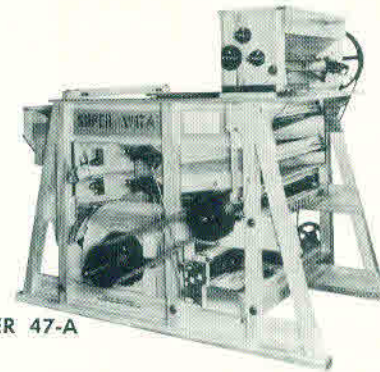
Shown with Cotton Seed Hopper recommended for cotton seed, brome and other grass seeds likewise difficult to feed.



SUPER 47-D



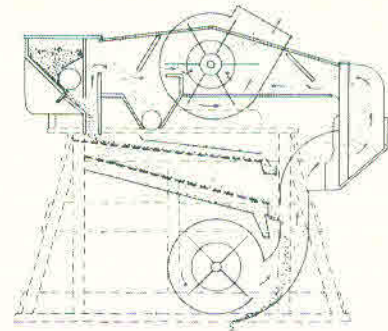
SUPER 47-B



SUPER 47-A

OPERATIONAL DETAILS FOR 2-SCREEN DUSTLESS CLEANING

The diagram at the right indicates the cleaning action of dustless type cleaners with two screens. As the seed is discharged from the hopper in a uniform layer across the full width of the top screen, it passes through an air leg connected to one of the top suction fans and dust and light chaffy material is removed. The heavier trash settles in the large settling chamber and is discharged at the side of the cleaner. The light dust is blown into the dust house or cyclone collector. After the seed passes through the top scalping screen and over the bottom sifting screen, it enters the vertical air column of synchronized blast and suction for a final, rapid air separation by weight to select only the choice, plump, full-weight kernels. The top suction fan on the left, synchronized with the bottom blast fan, removes the light-weight foreign material and dust left after the screening action. The heavier material removed settles in the settling chamber and the dust is blown out into the dust house or cyclone collector.



SPECIFICATIONS — CAPACITIES

Screen Cleaning Brushes on all Super 40 Series models ending in 8 or 9 are powered by the GS-53 Brush Drive. Models ending in 7 are equipped with the Clipper Chain Drive

Model number.....	47-A	47-B	47-D	49-A	49-B	498-A	498-B	47-BD	49-D	498-D	49-BD	498-BD
Screen size.....	34 x 42	34 x 42	34 x 42	42 x 60	42 x 60	54 x 60	54 x 60	34 x 42	42 x 60	54 x 60	42 x 60	54 x 60
Bu. per hr.—Seeds.....	30-50	30-50	30-50	60-80	60-80	75-100	75-100	30-50	60-80	75-100	60-80	75-100
Bu. per hr.—Seed grain.....	50-100	50-100	50-100	100-150	100-150	130-200	130-200	50-100	100-150	130-200	100-150	130-200
Bu. per hr.—Beans.....	75-150	75-150	75-150	200-300	200-300	250-400	250-400	75-150	200-300	250-400	200-300	250-400
No. of screens in cleaner.....	2	3	2	2	3	2	3	3	2	2	3	3
No. of screens furnished.....	12	12	12	12	12	12	12	12	12	12	12	12
Extreme length.....	79"	79"	91"	107"	107"	119"	107"	91"	114"	114"	114"	114"
Extreme width.....	59"	59"	62"	73"	73"	85"	85"	62"	73"	85"	73"	85"
Width between sills.....	38"	38"	38"	46"	46"	58"	58"	38"	46"	58"	46"	58"
Height to top of hopper.....	69"	76"	76"	72"	80"	72"	80"	83"	81"	81"	87"	87"
Height to drive shaft.....	28"	28"	70"	29"	29"	29"	29"	70"	76"	76"	76"	76"
Drive shaft speed (RPM).....	410	410	900	410	410	410	410	900	900	900	900	900
Horsepower required.....	1½	1½	5	3	3	3	3	5	7½	10	7½	10
Shipping weight (lbs.).....	1000	1300	1800	2100	1950	2200	2350	2000	2200	2300	2200	2500