

Presenting the "FOREVER" Grain and Grass Seed Cleaner

The most essential machine for seed-selection and commercial cleaning. Cleans and grades all course grains, flax, rape, corn, peas, beans and all vegetable and grass seeds

Forever

SCALPERS
One model
DUSTLESS ONLY
Sizes: 42"-48"-54"

SPECIALS
Grain and seed cleaners
Upon request only
Sizes: 24"-30"-36"

GRAIN AND SEED CLEANERS
Two models
STANDARD & DUSTLESS
Sizes: 30"-36"-42"-48"-54"

- STEEL CONSTRUCTION
- SEALED BALL BEARINGS
- FORCE FEED HOPPER
- ACCURATE FEED CONTROL
- DOUBLE ECCENTRICS – V BELT DRIVES
- BALANCED SUCTION AND VERTICAL AIR – SPEED AND VALVE CONTROLLED
- EASY CLEAN OUTS – 12 SCREENS SUPPLIED
- SCREEN WIPERS UNDER ALL SCREENS

COMPARE THESE FEATURES: WITH ANY OTHER MAKE OF CLEANER AND YOU WILL FIND THE "FOREVER" BEST VALUE FOR YOUR MONEY.

Manufactured by:

FOREVER INDUSTRIES (1971) LTD.

INDEX

"FOREVER" STANDARD MODELS 30" - 36" - 42" - 48"

<i>Illustrated</i>	<i>Page 4</i>
<i>Operating details</i>	<i>Page 5</i>
<i>Operating instructions</i>	<i>Page 6</i>

"FOREVER" DUSTLESS MODELS 36" - 42" - 48"

<i>Illustrated</i>	<i>Page 7</i>
<i>Operating details</i>	<i>Page 8</i>
<i>Operating instructions</i>	<i>Page 9</i>

"FOREVER" DUSTLESS MODEL 54"

<i>Illustrated</i>	<i>Page 10</i>
<i>Operating details</i>	<i>Page 11</i>
<i>Operating instructions</i>	<i>Page 12</i>

"FOREVER" SCALPERS

<i>Illustrated</i>	<i>Page 13</i>
<i>Operating details</i>	<i>Page 14</i>
<i>Operating instructions</i>	<i>Page 15</i>

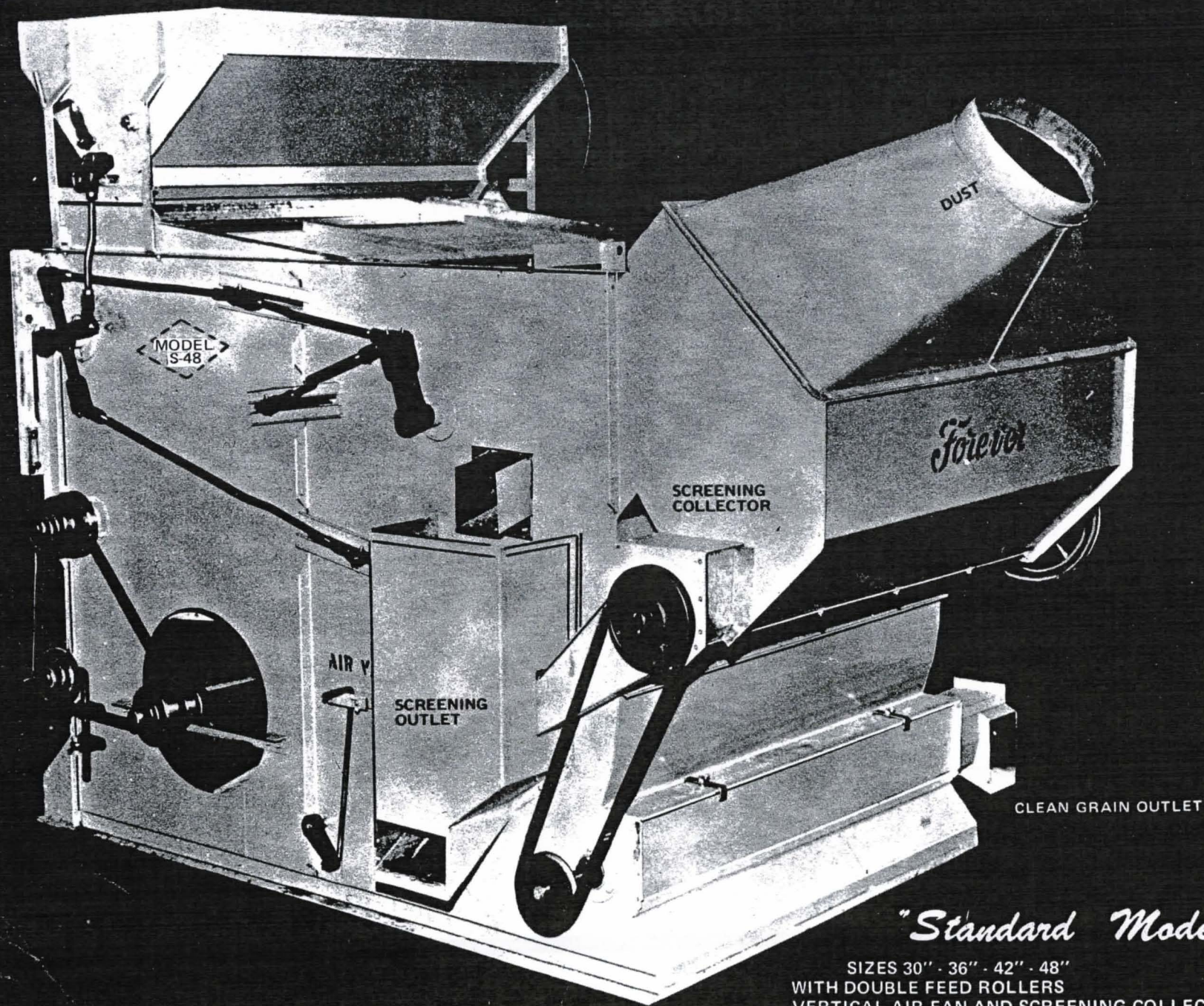
"FOREVER" SPECIALS MODELS 24" - 30" - 36"

<i>Illustrated</i>	<i>Page 16</i>
<i>Operating details</i>	<i>Page 17</i>
<i>Operating instructions</i>	<i>Page 18</i>

SCREENS AND PERFORATED ZINC *Pages 19&20*

ELEVATORS *Page 21*

LIST OF SOME PRESENT OWNERS *Page 22*



"Standard Models"

SIZES 30" · 36" · 42" · 48"
WITH DOUBLE FEED ROLLERS
VERTICAL AIR FAN AND SCREENING COLLECTOR

OPERATING DETAILS

STANDARD MODELS (WITH SCREENING COLLECTOR ATTACHED)

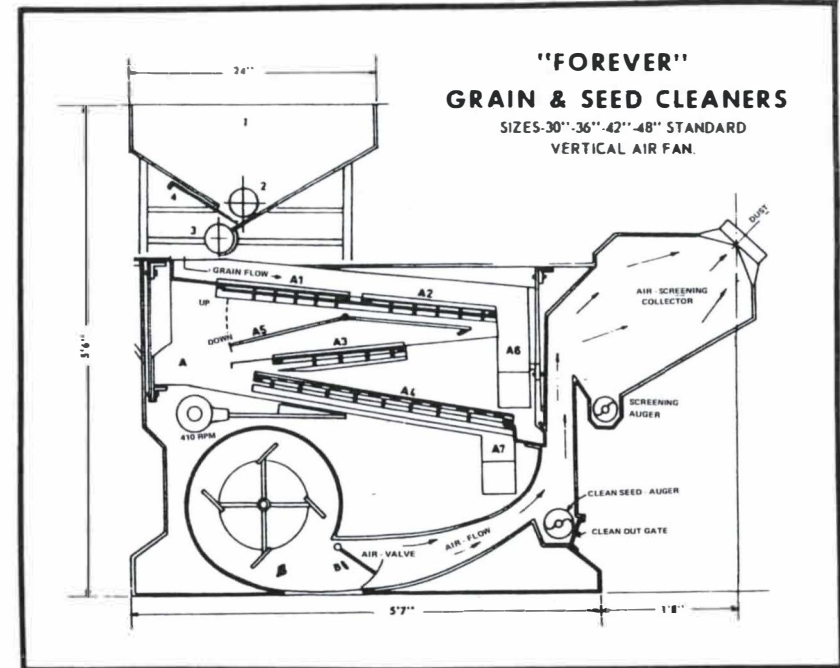
Placing Arrangement
of Screens "EXCLUSIVE" in
"FOREVER CLEANERS"

COARSE GRAIN cleaning: Use as Scalping screens A2 - A3
Screening screens A1 - A4 with dividing floor A5 down. This provides 36" Scalping and 54" Screening screen surface.

SMALL SEEDS cleaning: Use as Scalping screens A1 - A2 - A3
Screening screen A4 with dividing floor A5 up. This provides 54" Scalping and 36" Screening screen surface.

Screen Wipers under all screens to keep perforation of screens open.
Mechanical driven.

10 top and 2 bottom screens are supplied with machine.



Wheat Cap. per Hour in Bushels	Seed	Com- mercial	Engine H.P. Req.	Electric H.P. Req.	Speed R.P.M.	Drive Pulley	Dimensions of Machines and Weights			
							Height	Width	Length	Approx. Weight
Size 30"	35-40	40-60	1	3/4	All sizes	16"	66"	50"	90"	650 lbs.
Size 36"	45-50	60-72	1-1&2	1	400 to	16"	66"	56"	90"	750 lbs.
Size 42"	55-60	70-80	2	1	420	16"	66"	62"	90"	900 lbs.
Size 48"	65-70	80-90	2	1-1/2		16"	66"	68"	90"	1,000 lbs.

- 1 Force Feed Hopper equipped with 2 Feed Rollers
 - 2 Feed roller distributes seed in hopper
 - 3 Feed roller feeds seed through feed gate opening
 - 4 Feed gate is adjustable to any variety of seed
- A Shakershoe vibrates screens A1 - A2 - A3 - A4 for GRADING and Selecting Seed by Size and carries Seed to Vertical Air Channel for final grading by weight
- A5 Dividing floor to be used in connection with placing screens
Ball-bearing Eccentrics operating Shakershoe (Endshake)
Screen wipers are provided to keep screens from clogging.

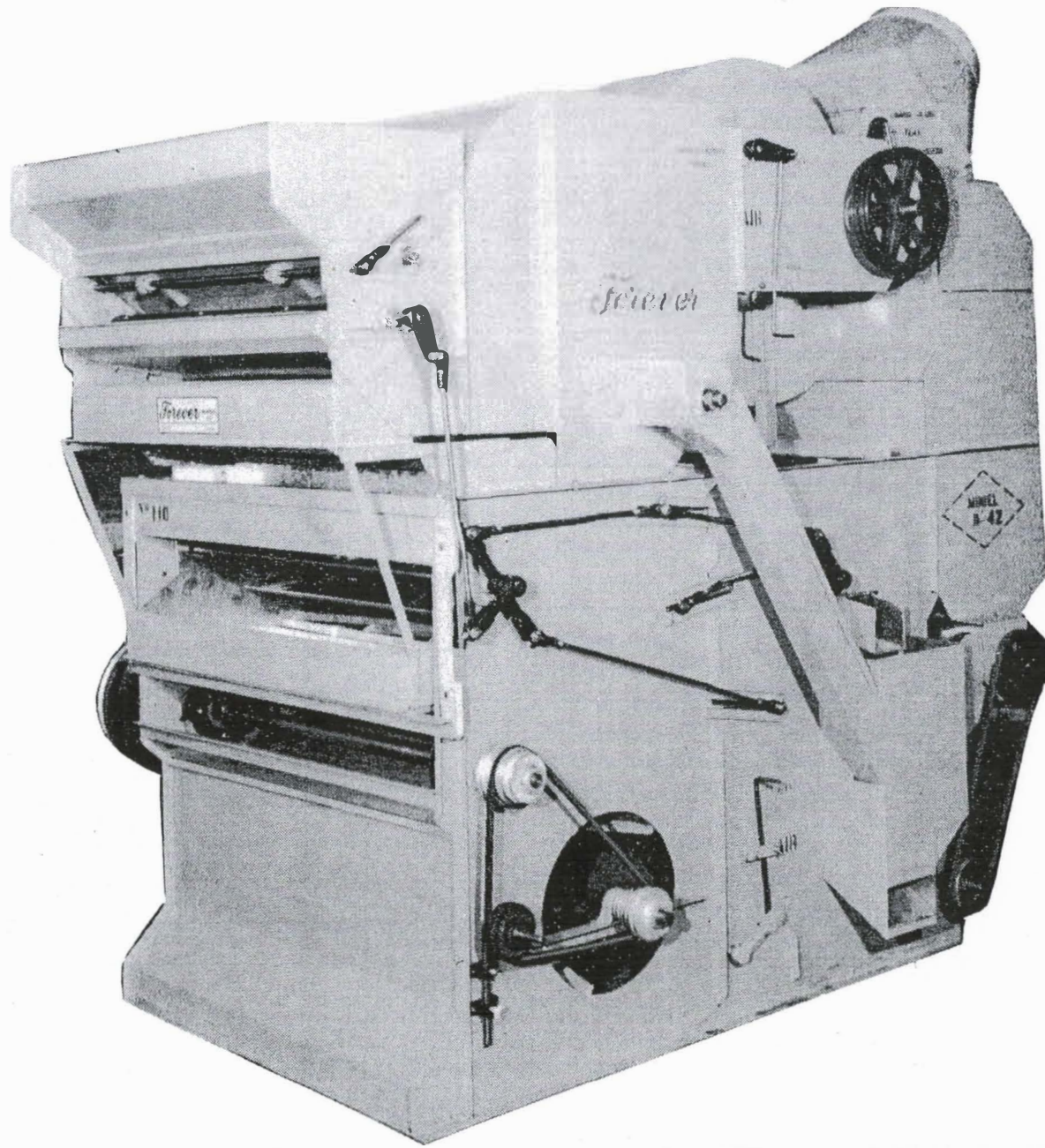
Mechanical driven.

- A6 - A7 Screening Spouts carry rejected coarse and fine screenings to side of machine into side screenings collector (see photo)
- B - Vertical Air Fan is regulated by step pullies in order that the speed can be controlled to produce more or less air
- B1 - Air shut-off to control the air volume between fan and vertical air channel
- Vertical Air Channel - Seed entering vertical air channel from shakershoe is GRADED by WEIGHT according to air volume applied
- Light seeds are blown upwards into air screening collector. Dust is blown out
- Heavy FULL WEIGHT Kernels pass through the air stream to clean seed auger for delivery to Elevator or Bin

OPERATING INSTRUCTIONS

STANDARD MODELS (WITH SCREENING COLLECTOR ATTACHED)

POWER REQUIREMENTS	PLACING ARRANGEMENT OF SCREENS IN SHAKER SHOE	REGULATING VERTICAL AIR FAN Speed and Valve controlled																																										
<p>¾-1½ H.P. depending on size of model. Motors total enclosed Overload protected 110-220 Volt, single phase or three phase as power is available. MOTOR SPEED 1725 R.P.M. Motor pulley 3½" to 4" Adjustable "B" section</p>	<p>Coarse Grain Cleaning — Use as Scalping Screens A2 - A3 Screening Screens A1 - A4 with floor No. 5 down, thus providing 36" scalping and 54" screening screen surface. Flax, Rape and Small Seeds cleaning — Use as Scalping Screens A1 - A2 - A3 Screening Screens A4 with floor No. 5 up, thus providing 54" scalping and 36" screening screen surface.</p>	<p>ADJUST Different varieties of seed need different air applications. speed of fan accordingly. Blow until light, inferior seeds are carried by air into the air screenings collector. CHANGE speed of fan on Step Pullies and regulate in-between pressure with air valve by opening or closing. It is better to have less speed on fan and air valve open than more speed and air valve closed.</p>																																										
SPEED OF CLEANER	SELECTION OF SCREENS																																											
<p>Speed on eccentric shaft 420 R.P.M. Regulate speed on adjustable motor pulley. Pulley on cleaner drive 16" single groove "B"</p>	<p>Scalping Screens: Select as small a perforation as possible.</p>	<p>Screening Screens: Select as large a perforation as possible.</p>																																										
SETTING UP CLEANER	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 15%; text-align: center;"><u>Round</u></th> <th style="width: 15%; text-align: center;"><u>Slotted</u></th> <th style="width: 15%; text-align: center;"><u>Round</u></th> <th style="width: 15%; text-align: center;"><u>Slotted</u></th> <th style="width: 20%; text-align: center;"><u>Triangular</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Wheat</td> <td style="text-align: center;">11-12 13-14</td> <td></td> <td></td> <td style="text-align: center;">4½ x ½ 5 x ¾ 5½ x ¾</td> <td style="text-align: center;">small med. large</td> </tr> <tr> <td style="text-align: center;">Barley</td> <td style="text-align: center;">14-15 16-17</td> <td></td> <td></td> <td style="text-align: center;">5 x ¾ 5½ x ¾ 6 x ¾</td> <td style="text-align: center;">small med. large</td> </tr> <tr> <td style="text-align: center;">Oats</td> <td style="text-align: center;">18-20</td> <td style="text-align: center;">8 x ¾ 9 x ¾</td> <td></td> <td style="text-align: center;">4½ x ½ 5 x ¾</td> <td style="text-align: center;">small med.</td> </tr> <tr> <td style="text-align: center;">Flax</td> <td style="text-align: center;">7-8</td> <td style="text-align: center;">3½ x ½ 4 x ½</td> <td style="text-align: center;">5 5½</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">Alfalfa</td> <td style="text-align: center;">5½-6</td> <td></td> <td></td> <td style="text-align: center;">wire 4 x 22 4 x 24</td> <td></td> </tr> <tr> <td style="text-align: center;">Peas</td> <td style="text-align: center;">20-22 24</td> <td></td> <td></td> <td style="text-align: center;">9 x ¾ 10 x ¾</td> <td></td> </tr> </tbody> </table>			<u>Round</u>	<u>Slotted</u>	<u>Round</u>	<u>Slotted</u>	<u>Triangular</u>	Wheat	11-12 13-14			4½ x ½ 5 x ¾ 5½ x ¾	small med. large	Barley	14-15 16-17			5 x ¾ 5½ x ¾ 6 x ¾	small med. large	Oats	18-20	8 x ¾ 9 x ¾		4½ x ½ 5 x ¾	small med.	Flax	7-8	3½ x ½ 4 x ½	5 5½			Alfalfa	5½-6			wire 4 x 22 4 x 24		Peas	20-22 24			9 x ¾ 10 x ¾	
	<u>Round</u>	<u>Slotted</u>	<u>Round</u>	<u>Slotted</u>	<u>Triangular</u>																																							
Wheat	11-12 13-14			4½ x ½ 5 x ¾ 5½ x ¾	small med. large																																							
Barley	14-15 16-17			5 x ¾ 5½ x ¾ 6 x ¾	small med. large																																							
Oats	18-20	8 x ¾ 9 x ¾		4½ x ½ 5 x ¾	small med.																																							
Flax	7-8	3½ x ½ 4 x ½	5 5½																																									
Alfalfa	5½-6			wire 4 x 22 4 x 24																																								
Peas	20-22 24			9 x ¾ 10 x ¾																																								
<p>Install machine on solid floor and set level. Bolt down.</p>	<p>NOTE: Air-screenings blown by the vertical air fan into the screening-collector can be regulated by adjusting air-speed on fan and air-valve to the desired amount wanted to be blown out.</p>																																											
FEEDING OF CLEANER	<p>DUST can be blown outside by connecting a pipe to air-screening outlet. Do not restrict this outlet by using a smaller pipe. Use 45° elbows.</p>																																											
<p>After proper screen selection is made, feed until 2/3 of screens are covered. Do not carry good seed over screens.</p>	<p>Good screen selection is half the cleaning. Submit small samples for testing.</p>																																											



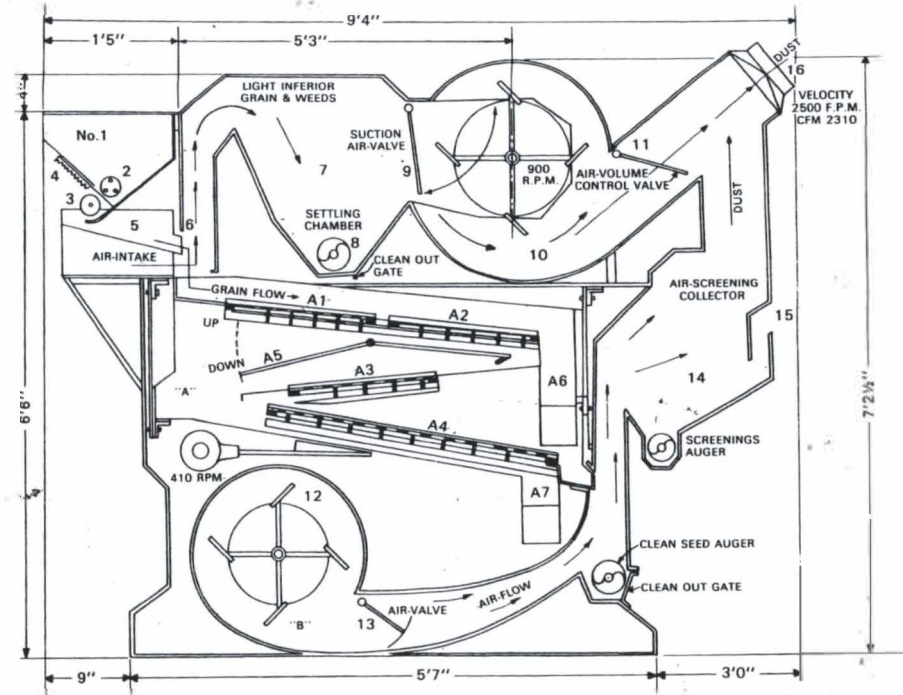
DUSTLESS MODELS

SIZES 36"-42"-48"
WITH DOUBLE FEED
ROLLERS VERTICAL
AIR FAN AND
SCREENING
COLLECTOR

OPERATING DETAILS

DUSTLESS MODELS 36" 42" 48"

10 TOP AND 2 BOTTOM
SCREENS ARE SUPPLIED
WITH MACHINE



Wheat Cap per Hour in Bushels	Seed	Com- mercial	Engine H.P. Req.	Electric H.P. Req.	Eccentric Shaft R.P.M.	Suction Fan-Speed R.P.M.	Drive Pulley	Dimensions of Machines & Weights			Screen Frame Sizes			
								Extreme Fan Hgt.	Hopper Height	Total Width	Total Length	Approx. Weight	A1,A2,A3	A4
Size 36 in.	50-60	70-80	2½	2	400	800	12"	7'2½"	6'6"	5'	9'3"	1250 lbs.	18"x36"	36"x36"
Size 42 in.	60-70	80-90	3-5	3	to	to	12"	7'2½"	6'6"	5'6"	9'3"	1400 lbs.	18"x42"	36"x42"
Size 48 in.	70-90	90-100	3-5	3	410	900	12"	7'2½"	6'6"	6'	9'3"	1560 lbs.	18"x48"	36"x48"

1. Force feed hopper equipped with feed roller and agitator.
2. Agitator distributes seed in hopper.
3. Feed roller feeds seed through feed gate opening.
4. Feed gate adjustable to all varieties of seed.
5. Feed trough delivers seed to suction air channel.
6. Suction Air Channel separates seed by weight — removes inferior seeds and weeds. (Air screenings).
7. Settling Chamber receives and settles Air screenings.
8. Suction Auger delivers Air screenings to side of machine.
9. Suction Air Valve controls air suction in channel 6 for more or less air.
10. Suction Fan creates air suction and blows Dust outside.
11. Air Volume Control controls the amount of air warranted in cleaning different varieties of seed.
12. Vertical Air Fan for final grading of seed by weight.
13. Vertical Air Fan Control works together with fan speed in adjusting Air screenings blown into Air screening collector.
14. Air Screening Collector and Dust Outlet.
15. Air Vent Must pull a little air in — open or close air volume control valve 11 and adjust vertical air valve 13.
16. Dust Outlet when leading out do not restrict by using smaller pipe.

OPERATING INSTRUCTIONS

POWER REQUIREMENTS

2-3 H.P. Motor total enclosed, overload protected 110-220 Volt single phase or three phase where power is available.

Motor Speed
1725 R.P.M.

Motor Pulley 6" diam. double V-B belt.
Motor to be mounted on provided base.

SPEED OF CLEANER

Suction Fan
900 R.P.M.

Eccentric Shaft
410 R.P.M.

This eccentric speed can be regulated with adjustable pulley on suction shaft.

SETTING UP CLEANER

Install machine on solid floor and set level. Bolt down.

FEEDING OF CLEANER

After proper screen selection is made, feed until 2/3 of screens are covered. Do not carry good seed over screens.

PLACING ARRANGEMENTS OF SCREENS IN SHAKER SHOE

Coarse Grain Cleaning — Use as
Scalping Screens A2 - A3
Screening Screens A1 - A4 with floor No. 5 down, thus providing 36" scalping and 54" screening screen surface.

Flax, Rape and Small Seeds cleaning — Use as
Scalping Screens A1 - A2 - A3
Screening Screens A4 with floor No. 5 up, thus providing 54" scalping and 36" screening screen surface.

SELECTION OF SCREENS

Scalping Screens:
Select as small a perforation as possible.

Screening Screens:
Select as large a perforation as possible.

	Round	Slotted	Round	Slotted	Triangular
Wheat	11-12 13-14			4½ x ½ 5 x ¾ 5½ x ¾	9 10 11
Barley	14-15 16-17			5 x ¾ 5½ x ¾ 6 x ¾	9 10 11
Oats	18-20	8 x ¾ 9 x ¾		4½ x ½ 5 x ¾	9 10
Flax	7-8	3½ x ½ 4 x ½	5 5½		
Alfalfa	5½-6			wire 4 x 22 4 x 24	
Peas	20-22 24			8 x ¾ 9 x ¾	

Good screen selection is half the cleaning. Submit small samples for testing.

SETTING OF SUCTION AIR READ WITH CARE

There are two settings to be made.

FIRST the Air Volume Valve No. 11.
By opening or closing this Valve the AIR VOLUME produced by the SUCTION FAN is increased or decreased.

Set Valve to the variety of seed to be cleaned:
COARSE GRAIN open.

FLAX, RAPE more or less half open.
SMALL SEEDS, closed to partly open.

SECOND the AIR CHANNEL VALVE No. 9.
By opening or closing this Valve the draw of air in the suction channel No. 6 is regulated.

Set this Valve in open position when starting to operate, then close until you stop pulling good grain into the settling chamber No. 7.
Check Sample on suction auger outlet No. 8. Suction should be re-adjusted after awhile.

REGULATING VERTICAL AIR FAN

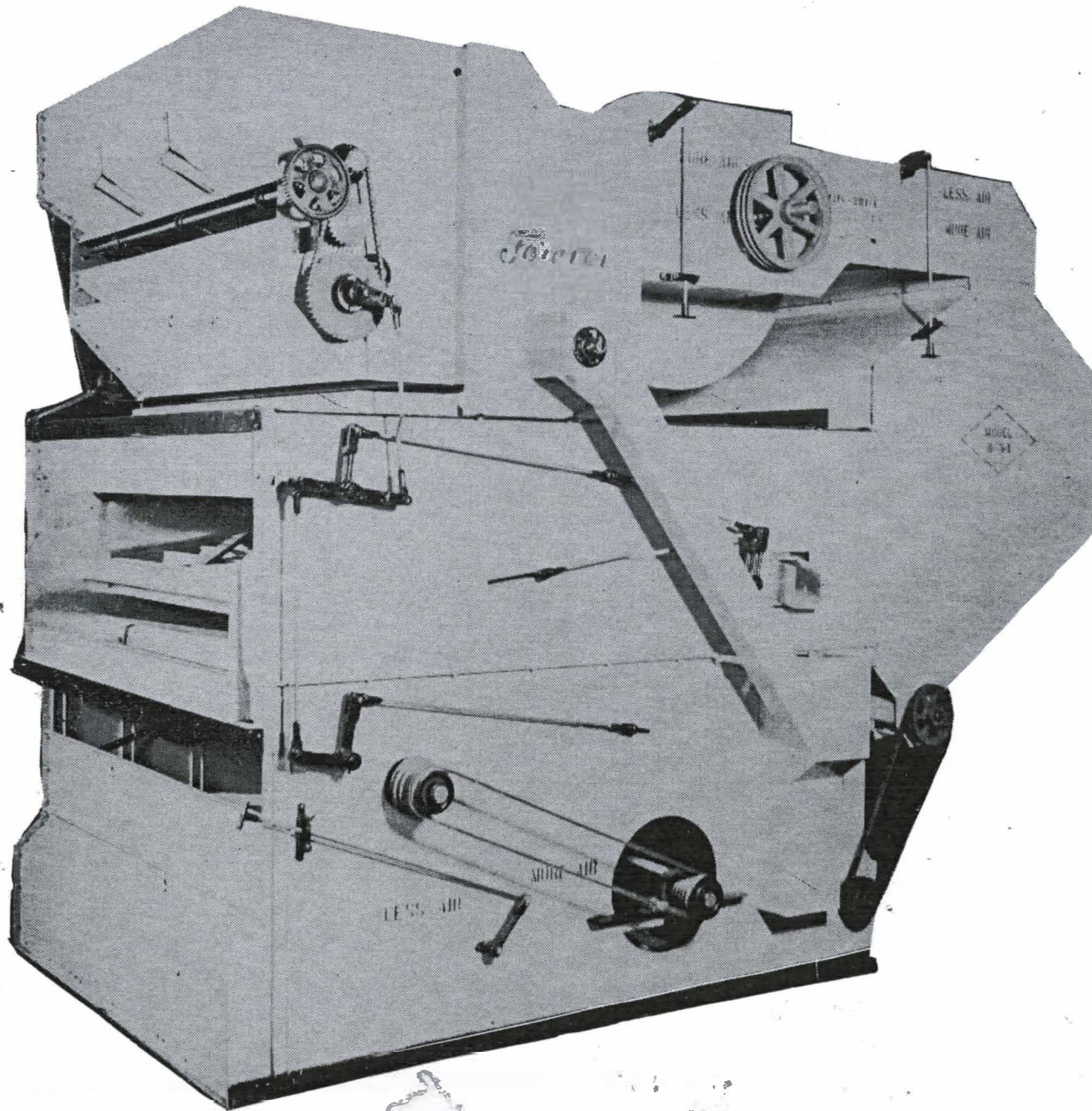
Speed and valve controlled.

Different varieties of seed need different air applications.

ADJUST speed of fan accordingly. Blow until light, inferior seeds are carried by air into the air screenings collector.

CHANGE speed of fan on Step Pullies and regulate in-between pressure with air valve by opening or closing.

It is better to have less speed on fan and air valve open than more speed and air valve closed.



DUSTLESS MODEL

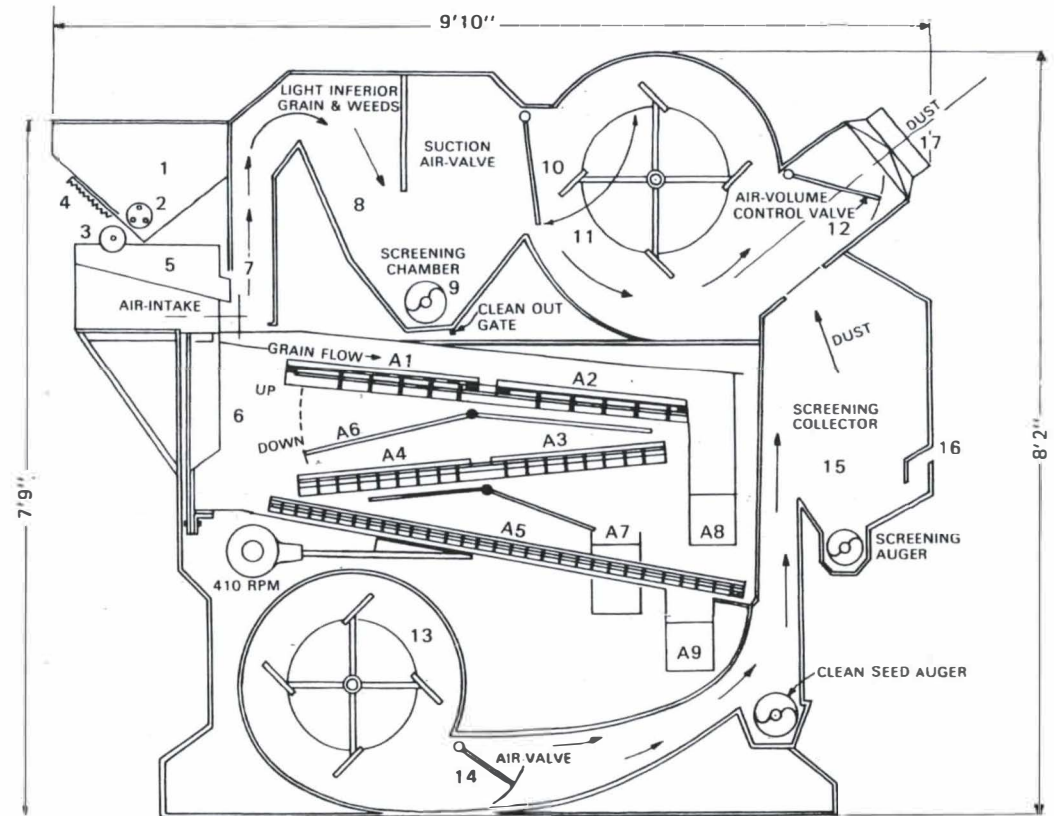
SIZE 54"

WITH DOUBLE
FEED ROLLERS
VERTICAL AIR FAN
AND SCREENING
COLLECTOR

OPERATING DETAILS

DUSTLESS MODEL 54"

8 SCALPING SCREENS
 2 SMALL SCREENING SCREENS AND 2 LARGE SCREENING SCREENS
 SUPPLIED WITH MACHINE.



Wheat Cap per Hour in Bushels	Seed	Com-mercial	Engine H.P. Req.	Electric H.P. Req.	Eccentric shaft R.P.M.	Suction Fan-Speed R.P.M.	Drive Pulley	Dimensions of Machines & Weights					Screen Frame Sizes	
								Extreme Fan Hgt.	Hopper Height	Total Width	Total Length	Approx. Weight	A1,A2,A3,A4	A5
Size 54 in.	90-110	100-150	3-5	3-5	400-410	900	12"	8'2"	7'9"	7'	9'10"	2,000 lbs.	18"x54"	54"x54"

- | | |
|--|---|
| 1. Force feed hopper | equipped with two feed rollers and agitator. |
| 2. Agitator | ... distributes seed in hopper. |
| 3. Feed roller | ... feeds seed through feed gate opening. |
| 4. Feed gate | ... adjustable to all varieties of seed. |
| 5. Feed trough | ... delivers seed into suction air channel. |
| 6. Shaker | ... delivers seed over screens. |
| 7. Suction Air Channel | ... separates seed by weight — removes inferior seeds and weeds. (Air screenings). |
| 8. Settling Chamber | ... receives and settles Air screenings. |
| 9. Suction Auger | ... delivers Air screenings to side of machine. |
| 10. Suction Air Valve | ... controls air suction in channel 7 for more or less air. |
| 11. Suction Fan | ... creates air suction and blows Dust outside. |
| 12. Air Volume Control | ... controls the amount of air warranted in cleaning different varieties of seed. |
| 13. Vertical Air Fan | ... for final grading of seed by weight. |
| 14. Vertical Air Fan Control | ... works together with fan speed in adjusting air screenings blown into air screening collector. |
| 15. Air Screening Collector and Dust Outlet. | |
| 16. Air Vent | ... pulls in air — adjust air volume control valve 12 and vertical air valve 14. |
| 17. Dust Outlet | ... when leading out do not restrict by using smaller pipe. |

OPERATING INSTRUCTIONS

DUSTLESS MODEL 54"

REGULATING — SUCTION AIR

There are two settings to be made.

- FIRST** the Air Volume Valve. By opening or closing this Valve the AIR VOLUME produced by the SUCTION FAN is increased or decreased.
- Set** Valve to the variety of seed to be cleaned: COARSE GRAIN open. FLAX, RAPE more or less half open. SMALL SEEDS, closed to partly open.
- SECOND** the AIR CHANNEL VALVE. By opening or closing this Valve the draw of air in the suction channel is regulated.
- Set** this Valve in open position when starting to operate, then close until you stop pulling good grain into the settling chamber.

Check sample on suction auger outlet. Suction should be re-adjusted after awhile.

REGULATING — VERTICAL AIR FAN

- Different varieties of seed need different air applications.
- ADJUST** speed of fan accordingly. Blow until light, inferior seeds are carried by air into the air screenings collector.
- CHANGE** speed of fan on Step Pullies and regulate in-between pressure with air valve by opening or closing. It is better to have less speed on fan and air valve open than more speed and air valve closed.

Selection of Screens

Scalping Screens:
Select as small a perforation as possible.

Screening Screens:
Select as large a perforation as possible

	Round	Slotted	Round	Slotted	Triangular
Wheat	11-12		4½ x ½		9
	13-14		5 x ¾		10
			5½ x ¾		11
Barley	14-15		5 x ¾		9
	16-17		5½ x ¾		10
			6 x ¾		11
Oats	18-20	8 x ¾	4½ x ½		9
		9 x ¾	5 x ¾		10
Flax	7-8	3½ x ½	5		
		4 x ½	5½		
Alfalfa	5½-6		wire		
			4 x 22		
			4 x 24		
Peas	20-22		8 x ¾		
	24		9 x ¾		

Good screen selection is half the cleaning. Submit small samples for testing.

PLACING ARRANGEMENT OF SCREENS IN SHAKER SHOE

Coarse Grain Cleaning — Use as Scalping Screens No. 2 - 4

Screening Screens No. 1 - 3 - 5 with floor No. 6 down, thus providing 36" scalping and 90" screening surface.

Flax, Rape and Small Seeds cleaning — Use as Scalping Screens No. 1 - 2 - 4

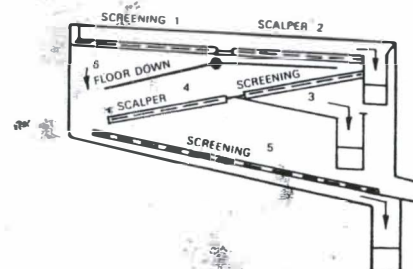
Screening Screens No. 3 - 5 with floor No. 6 up, thus providing 54" scalping and 72" screening surface.

CLEANING COARSE GRAINS

Use:

- 2 Scalping Screens
- 3 Screening Screens

Return Floor DOWN

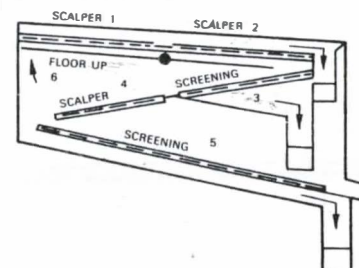


CLEANING FLAX & SMALL SEEDS

Use:

- 3 Scalping Screens
- 2 Screening Screens

Return Floor UP



POWER REQUIREMENTS

3 H.P. Motor total enclosed, overload protected 110-220 Volt single phase or three phase where power is available.

Motor Speed
1725 R.P.M.

Motor Pulley 5-6" adj. double V - B belt. Motor to be mounted on provided base.

SPEED OF CLEANER

On Suction Fan
880 - 910 R.P.M.

On Eccentric Shaft
400 - 410 R.P.M.

This eccentric Speed can be regulated with adjustable pulley on motor shaft.

SETTING UP CLEANER

Install machine on solid floor and set level. Bolt down. Avoid vibration.

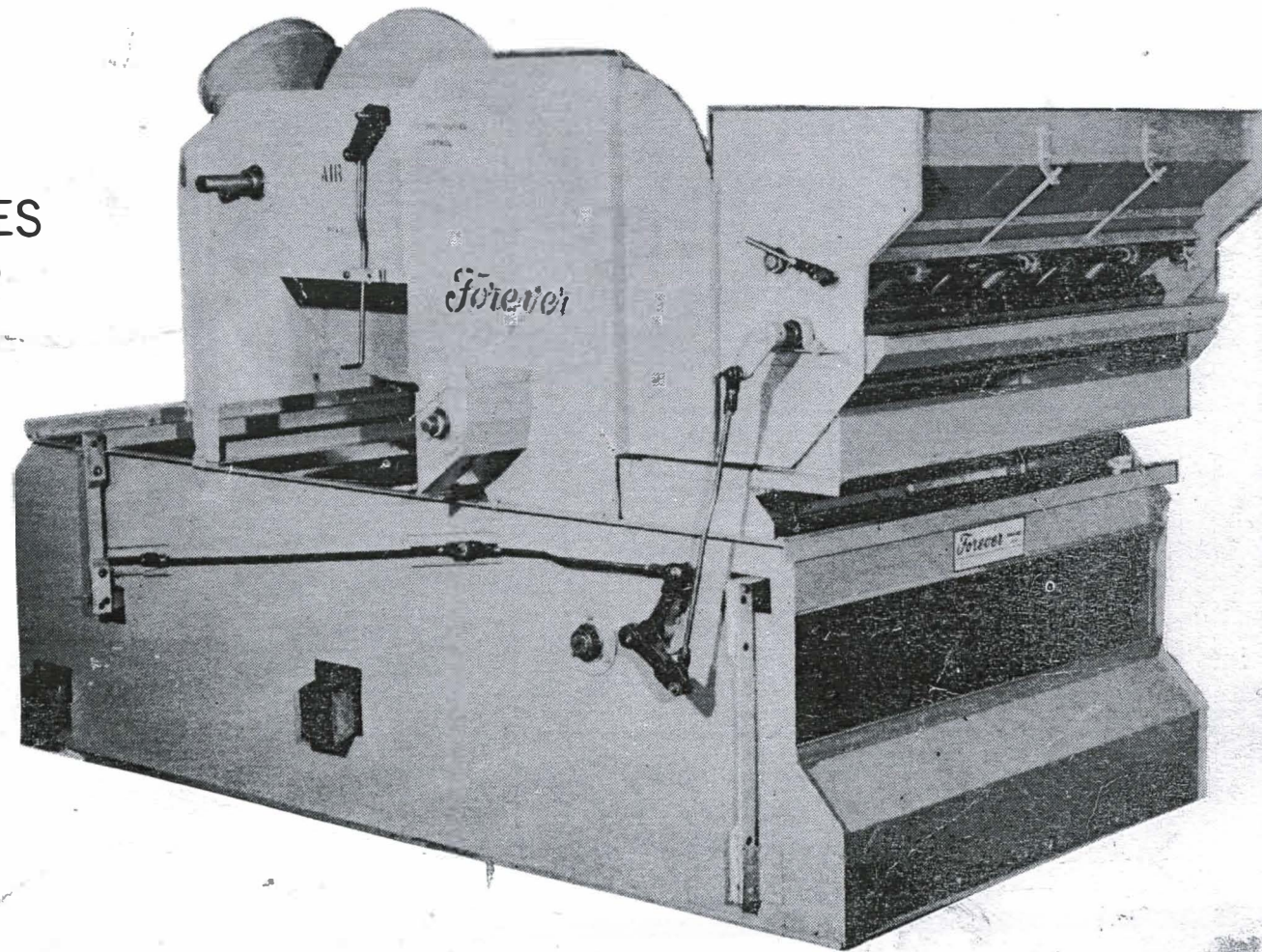
FEEDING OF CLEANER

After proper screen selection is made, feed until 2/3 of screens are covered. Do not carry good seed over screens.

Forever Scalpers

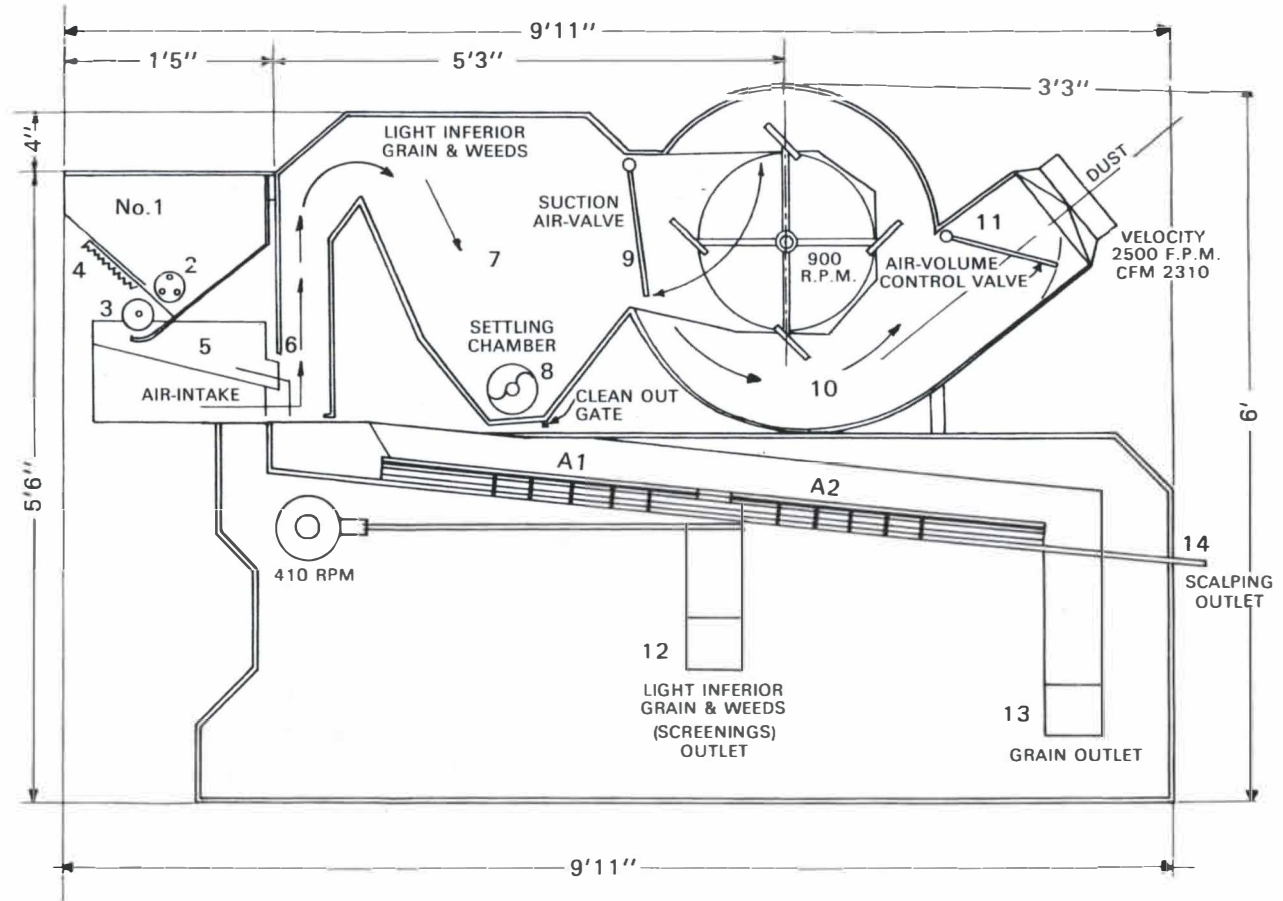
SIZES 42"-48"-54"

SCREEN WIDTH SIZES
WITH FEED ROLLER
AND AGITATOR



OPERATING DETAILS

SCALPERS 42"-48"-54"



Wheat Cap per Hour in Bushels	Seed	Grain	Engine H.P. Req.	Eccentric Shaft R.P.M.	Suction Fan Speed R.P.M.	Dimensions of Machines & Weights			Screen Frame Sizes	
						Total Width	Total Length	Approx. Weight	A1,	A2
Size 42 in.	45	90	1	400	800	5'	9'11"	950 lbs.	42"x36"	42"x36"
Size 48 in.	60	120	2	to	to	5'6"	9'11"	1000 lbs.	48"x36"	48"x36"
Size 54 in.	75	150	3	410	900	6'	9'x11"	1100 lbs.	54"x36"	54"x36"

1 to 11

12 —

13 —

14 —

A1 —

A2 —

— Same as Dustless Model on page 8.
 Screening outlet from screen separation.
 Grain outlet.
 Scalping outlet.
 36" Screening screen.
 36" Scalping screen.

OPERATING INSTRUCTIONS

SCALPERS — 42" - 48" - 54"

Descriptions and Uses

The scalper is basically designed for the removal of screenings and roughage. The machine is beneficial as an aid in upgrading commercial grain, which not only may result in a higher price per bushel, but also saves the producer's screenings plus the freight to market.

Scalpings have also been utilized by seed plant operators as pre-cleaners of grain and seed. After the grain or seed has been pre-cleaned it is fed into a normal cleaner. The cleaner now works closer to full capacity because the flow of grain or seed is more even and steady because the machine does not have to contend with the large volume of roughage or screenings which would have been removed during the scalping operation.

Operation

The grain or seed is fed into the shakershoe which has two 36" screens. The first screen is used for screening and the second screen is used for scalping.

Four (4) screens of different perforations are supplied with each machine. During operation, the screens are kept clean by mechanically driven rubber scrapers.

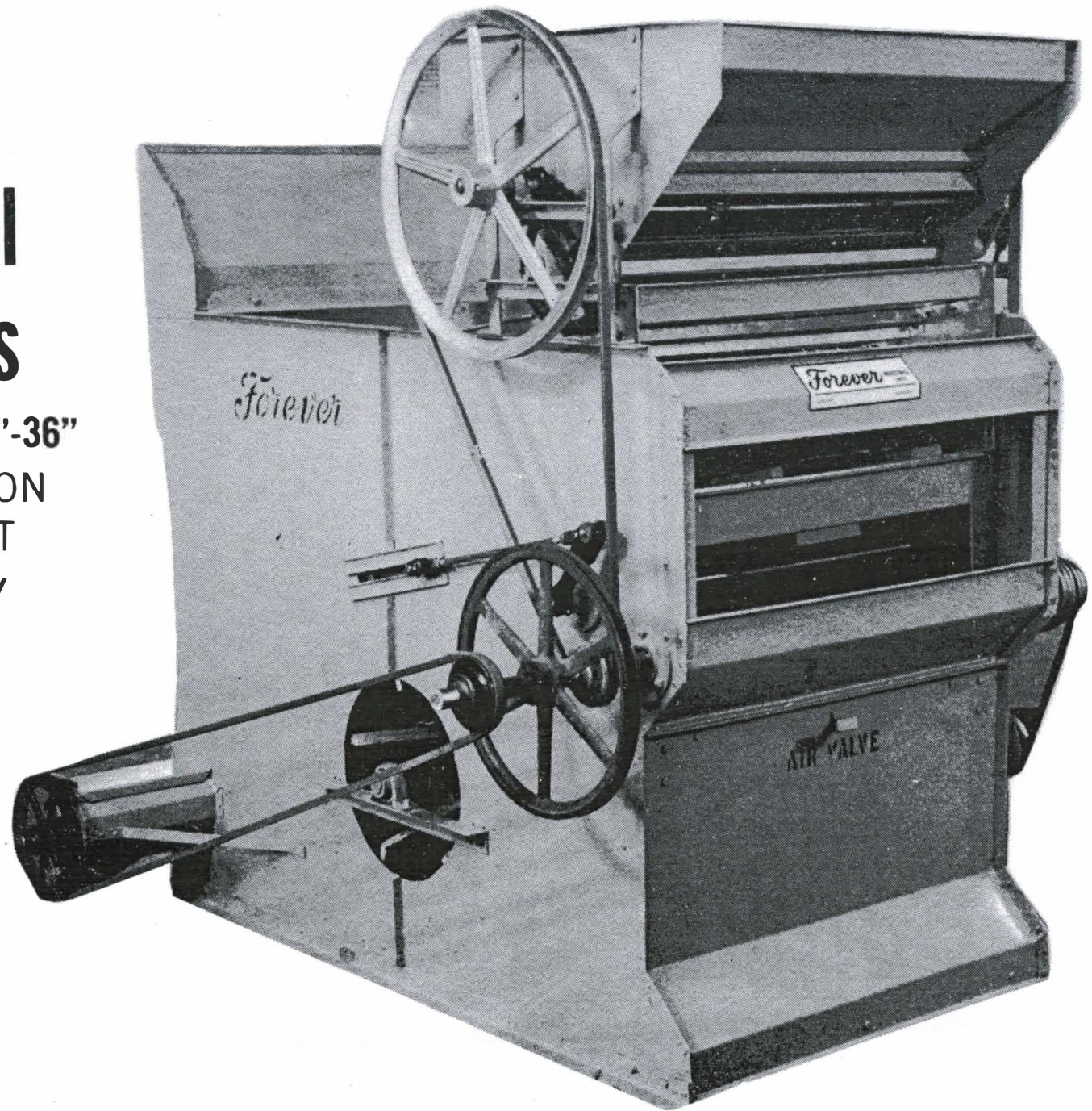
Outlets for screenings and grain or seed can be supplied to deliver to left or right side of machine as seen from the hopper.

Note: When ordering please specify either left or right hand delivery otherwise we will supply a machine with a left hand delivery.

Special Models

SIZES-24"-30"-36"

BUILT UPON
REQUEST
ONLY



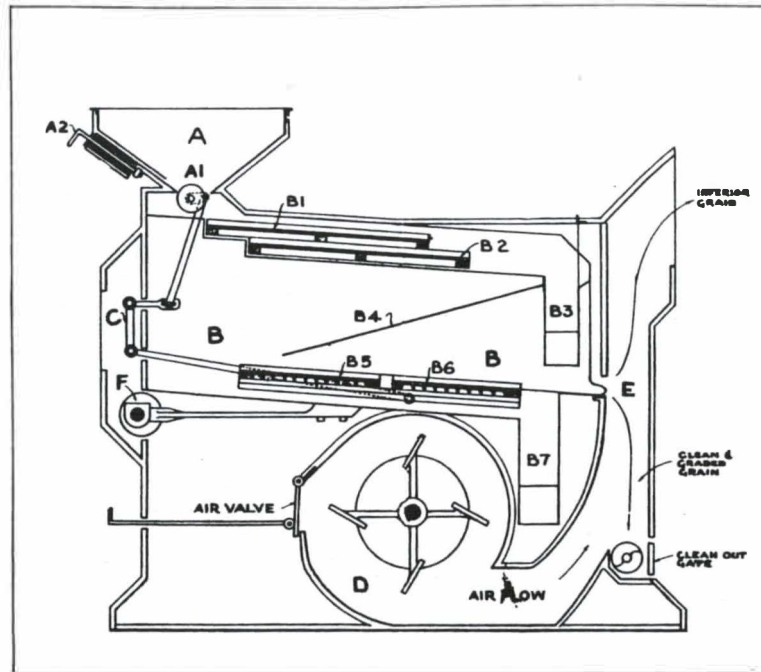
OPERATING DETAILS

SPECIAL MODELS - 24" - 30" - 36"

A standard set of 11 screens for wheat, oats, barley and all V belts are supplied with each unit.

GENERAL DESCRIPTION

- A – Hopper.
- A-1 – Feed Roller and agitator – distributing the grain in Hopper and through the Feedgate.
- A-2 – Feedgate Control - has single adjusting handle for setting the feed.
- B – Shakershoe or Riddle – is built to withstand vibration and has endshake.
- B-1 and B-2 – Scalping Screens – are interchangeable and take out large weeds.
- B3 – Scalping Spout discharges scalplings to the side of machine.
- B-4 – Returnfloor – delivers grain going through scalpers to the screening screens.



- B-5 and B-6 – Screening Screens – are interchangeable and take out small weeds.
- B-7 – Screening Spout – discharges screenings to the side of the machine.
- C – Drive for RUBBER SCRAPERS to keep screening screens from clogging. Scrapers under screening screens only.
- D – Vertical Air Fan – adjustable to different speeds for the different varieties of grain.
- E – Vertical Air Channel – grades the grain and carries in its adjusted air current, inferior grain and weeds upwards and out of the machine.
- F – Single Eccentric Drive – is connected to Shakershoe.

BALL-BEARINGS ON ALL MAIN-DRIVES

Wheat Cap. per Hour in Bushels	Seed	Com-mercial	Engine H.P. Req.	Electric H.P. Req.	Speed R.P.M.	Drive Pulley	Dimensions of Machines and Weights			
							Height	Width	Length	Approx. Weight
Size 24 in.	15-20	20-25	1	¾	380	8 in.	54 in.	44 in.	64 in.	360 lbs.
Size 30 in.	20-25	25-30	1	¾	to	8 in.	54 in.	50 in.	64 in.	420 lbs.
Size 36 in.	25-30	30-35	1	¾	400	8 in.	54 in.	56 in.	64 in.	520 lbs.

OPERATING INSTRUCTIONS

SPECIAL MODELS - 24" - 30" - 36"

Set machine level on solid ground and fasten down.
Speed of machine on Main drive 380-400 R.P.M.

Selecting Screens:

Top screens are the screens to remove all larger material than the grain or seed to be cleaned. These screens should always be selected as small as possible, but yet large enough not to scalp good grain overscreens. There are two scalping screens used in the machine.

Screening Screens:

Bottom screens are the screens to remove all fine seeds. These screens should always be selected as large as possible, but yet small enough not to let good grain or seed pass through them. There are two bottom screens used in the machine.

General Selection of Screens:

Wheat	Scalpers	No. 10, 11, 12, 13 round perforation,
	Screenings	depending on size of wheat. 5 x ¾ and 5½ x ¾
Barley:	Scalpers	No. 14, 15, 16 round perforation.
	Screenings	No. 5 x ¾ and 5½ x ¾

Oats:	Scalpers	No. 9 x ¾ slotted, No. 20 or 18 round perforation.
	Screenings	No. 5 x ¾ slotted, 4½ x ½ slotted

Alfalfa:	Scalpers	No. 5½, 5 round perforation.
	Screenings	No. 4 x 24 or 6 x 26 wire.

After the proper screen selections are made, the Air Blast is to be regulated according to the grain or seed to be cleaned.

Adjustment of Air Blast:

First, closed the Air valve on front of the machine by pushing the lever in.

After that, see how much grain you blow over at the back of the machine.

If you take out too much, re-open the valve until the proper air is found.

If you still have too much air, regulate the speed of the fan by changing the V belt on pulleys.

The Step pulleys are interchangeable.

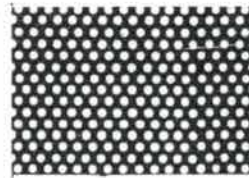
In coarse grain, the large pulley is used on the Main drive and the small pulley on the fan drive. For flax and other smaller seeds the pulleys must be reversed.

SCREENS AND PERFORATED ZINC

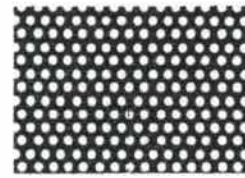
THIS IS IMPORTANT!

WHEN ORDERING THIS TYPE OF MATERIAL BE SURE
TO STATE LENGTH AND WIDTH REQUIRED.

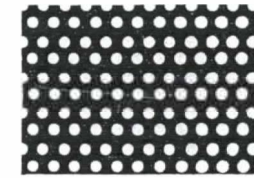
ROUND PERFORATIONS



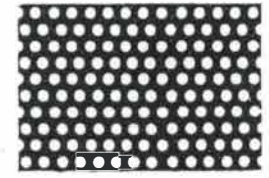
1/25



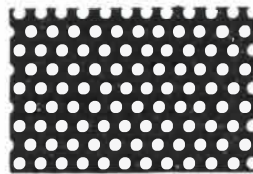
1/22



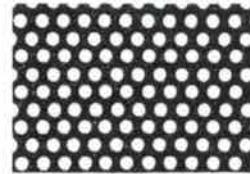
1/20



1/18



4



4 1/2



5



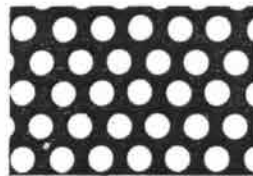
5 1/2



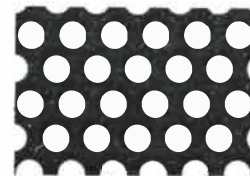
6



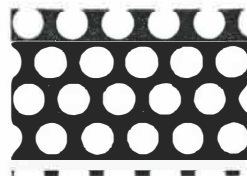
7



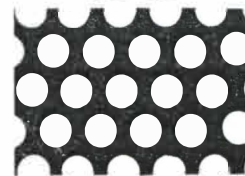
8



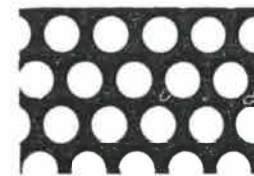
9



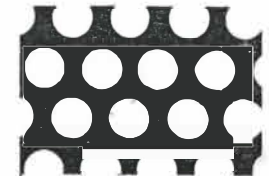
10



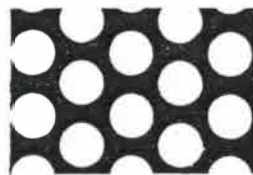
11



12



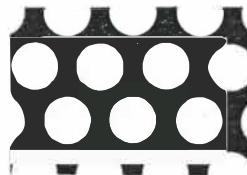
13



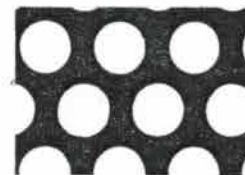
14



15



16



17



18



20



22

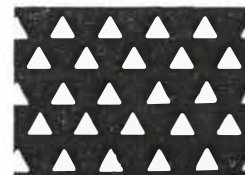


24



26

TRIANGULAR PERFORATIONS



8



9

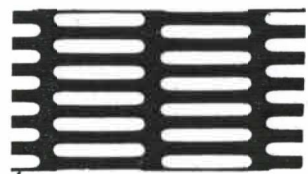


10

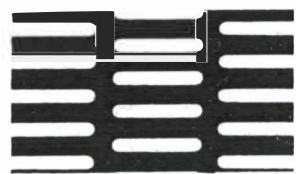
WHEN ORDERING THIS TYPE OF MATERIAL BE SURE TO STATE LENGTH AND WIDTH REQUIRED

IF YOU MAIL US A ONE POUND SAMPLE OF GRAIN WITH YOUR ORDER WE WILL SELECT SUITABLE SCREENS FOR YOUR PARTICULAR REQUIREMENTS

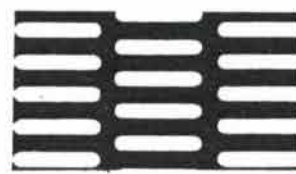
SLOTTED PERFORATIONS



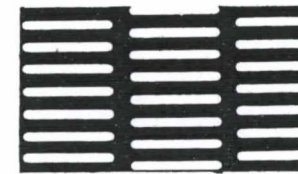
4 1/2 x 1/2



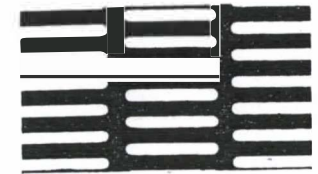
5 x 3/4



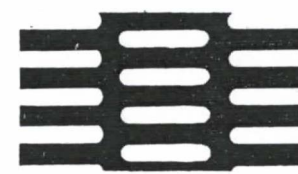
5 1/2 x 3/4



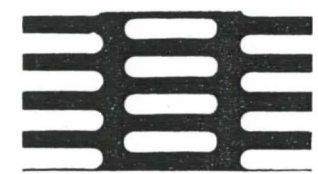
3 x 1/2



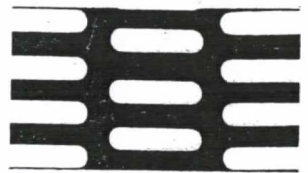
4 x 1/2



6 x 3/4



7 x 3/4



8 x 3/4



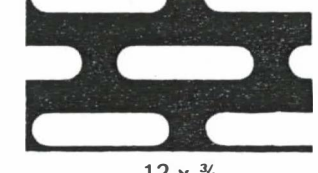
9 x 3/4



10 x 3/4

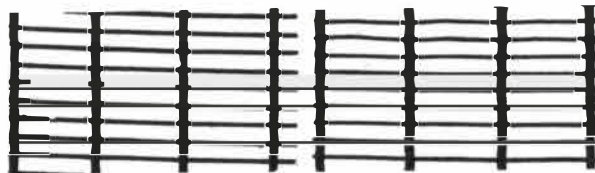


11 x 3/4

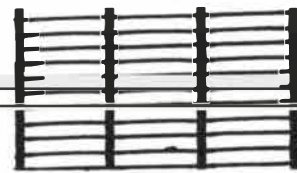


12 x 3/4

WIRE MESH



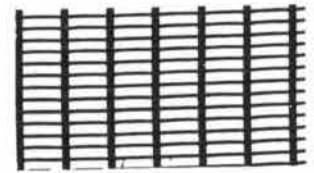
2 x 10



2 x 11



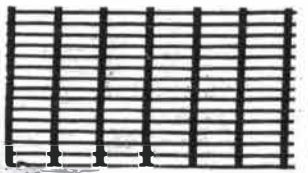
2 x 12



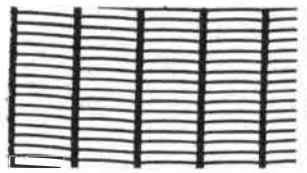
2 x 13



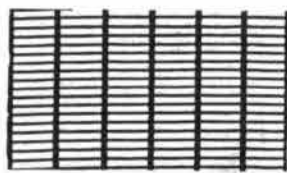
4 x 15



4 x 16



4 x 18



4 x 20



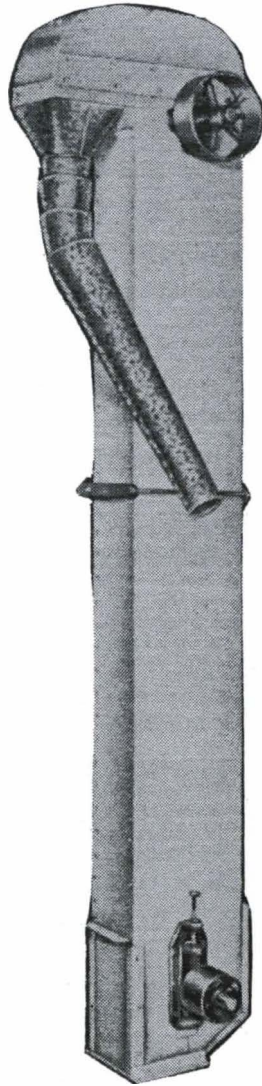
4 x 22



4 x 24



6 x 26



“FOREVER”

STANDARD GRAIN ELEVATORS

Our Standard Elevators are of the Belt and Bucket type and therefore will not damage the seed. They are supplied in any length desired.

These Elevators are equipped with a Flexible Spout on the Grain Outlet and are provided with Belt Take Up Bearings, a Clean-out Gate at the bottom as well as a conveniently placed Inspection Gate. All elevators are V Belt driven.

The Elevator Hood may be lifted off by simply loosening a few bolts.

The length of elevators as per our price list is overall length and can be supplied in wood or metal — Capacity range 75 to 150 bushels per hour.

ELEVATORS OF LARGER CAPACITIES CAN BE SUPPLIED

In your enquiries, please state overall length and hourly capacity.

Who has one or several "FOREVER" Grain and Seed Cleaners?

MANITOBA

Arborg
Arborg
Argyle
Brunkild
Carman

Crystal City
Cypress River
Dufrost
Domain

Dauphin
Dugald
Elphinstone
Gretna

Grandview
Green Oak
Killarney

Lac du Bois
Neepawa
Oak River
Petersfield
Plum Coullee
Portage la Prairie

Pine River
Reston
Rosser
Russell
Rossburn
Rosebank
St. Joseph
St. Jean Baptiste

Starbuck
Swan River
Shoal Lake
Winnipeg

Johnson Brothers
Richard Nordal
Cliff Munn
Theo Gelaude
Swanton Seed Service
J. Wilton
Allen Beavis
Cypress Seed Plant
Dufrost Seed Plant
Sid. Mannes
Carl Petura
John Potoski
Robert Anderson
V.W. McIntyre
Evergreen Seed Plant
Henry Ritz & Son
Valley View Seed Farm
Adolph Rattie
Killarney Seed Plant
E.J. Wood Seed Plant
Williams Wild Rice
C.L. Bray
Stan Henry
Hunter McRay
Harder Seed Plant
N. McKenzie Seed
Ralph Fourshau Seed
Knox Bros.
J.R. McLean
J. Futros
Clements & Sons Seeds
Bert Mitchel
R.M. Laycock
R. Parent Seed Plant
A. Roy Trading Co.
Leo Ayotte
Louis Saburin
Otte Schade
Swan River Seed Plant
Francis E. Simpson
Imperial Seed Ltd.
Holden Wild Rice

SASKATCHEWAN

Abernathy

Aylesham
Canora
Corning
Edgley
Eston
Glen Ewen
Goven
Indian Head
Janzen
Kindersley
Kinistino
Lemberg
Lorley
McTaggart
Medstead
Nokomis
Naicam
Nipawin
Outram
Preeceville
Prince Albert
Rouleau
Redvers
Regina
Riceton
Rosthern
Saltcoats
Stoughton
Tribune
Tyner
Watson
Watson
Watrous
Weyburn
Wynyard
Wolseley
Yarbow
Yellow Grass
Zealandia

H.J. Middleton
G. Heil
Birkenwood Seed Farm
J.S. Plovnikoff & Son
John Allen
Ray Rogers
Jackson Seed Plant
W. McFarlane
F. Hammer
M.C. Culcott
Wm. G. Arnst
J. J. Fast
W. Marcotte & Son
R.W. Acton
Westacres Seed Farm
Don Fortner
Seidle Bros. Seed Growers
W.A. Bellamy
F. Hedland
Riverview Seeds
Memory Seed Farm
Preeceville Seed Plant
Northern Seeds Ltd.
W.J. Kirby
G.A. Dautremont
Experimental Farm
Riceton Seed Plant
Gus Friesen
Bert Trowell
Gordon Graham
H.E. Voelching
Wallace Seed Farm
Philip Kushinski
Wittag Seed Plant
Guy Beatty
Don Garanson
Peter Peterson
Malo & Son
E.H. Fraser
Beautiful Plain Seed Farms
James Farquhuson

ALBERTA

Arrowwood
Berwyn
Big Valley
Benalto
Bymore
Cayley
Didsbury
Ezikon
Fort McLeod
Gwynne
Kilsey
Legal
Lacombe
Magrath
Picture Butte
Penhold
Rosemary
Red Deer

Ralph Oberholtzer
R. Webber
Petrusa Bros.
Carl Selstrom
E.W. Stewart
McMillon Colony
John Overwater
Rosedale Colony
Thompson Colony
George Rasmuson
Thirsk Farms Ltd.
J.W. Keith
W.S. Wright
Crystal Spring Colony
Haney Seed Farm
C.L. Little
C. Klassen
Red Deer Seeds Ltd.

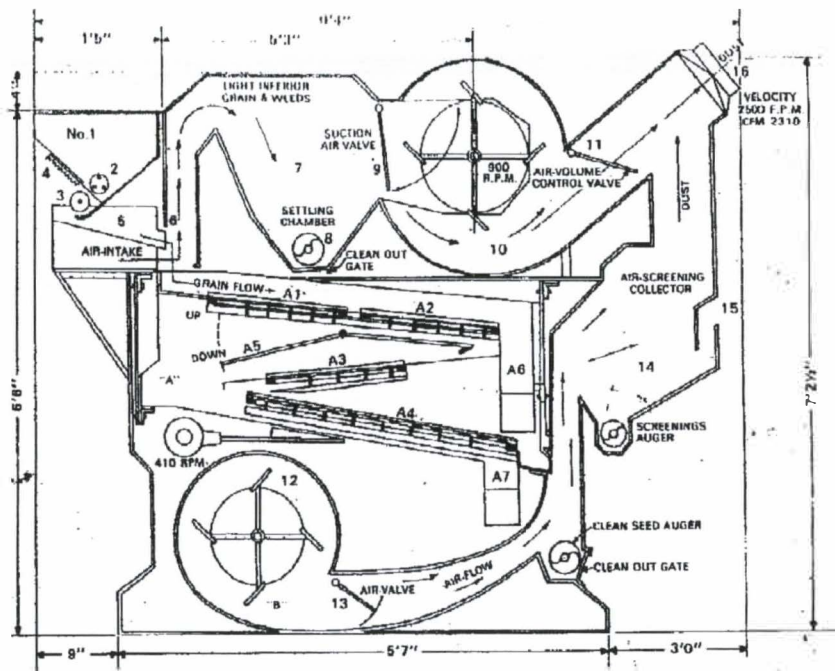
OTHER NAMES

Can be given on request.

OPERATING DETAILS

DUSTLESS MODELS 36" 42" 48"

10 TOP AND 2 BOTTOM
SCREENS ARE SUPPLIED
WITH MACHINE



Wheat Cap per Hour in Bushels	Seed	Com- mercial	Engine H.P. Req.	Electric H.P. Req.	Eccentric Shaft R.P.M.	Suction Fan-Speed R.P.M.	Drive Pulley	Dimensions of Machines & Weights			Screen Frame Sizes			
								Extreme Fan Hgt.	Hopper Height	Total Width	Total Length	Approx. Weight	A1,A2,A3	A4
Size 36 in.	50-60	70-80	2½	2	400	800	12" 1/2	7'2½"	6'6"	5'	9'3"	1250 lbs.	18"x36"	36"x36"
Size 42 in.	60-70	80-90	3-5	3	to	to	12"	7'2½"	6'6"	5'6"	9'3"	1400 lbs.	18"x42"	36"x42"
Size 48 in.	70-90	90-100	3-5	3	410	900	12"	7'2½"	6'	6'	9'3"	1560 lbs.	18"x43"	36"x48"

1. Force feed hopper equipped with feed roller and agitator.
2. Agitator distributes seed in hopper.
3. Feed roller feeds seed through feed gate opening.
4. Feed gate adjustable to all varieties of seed.
5. Feed trough delivers seed to suction air channel.
6. Suction Air Channel separates seed by weight — removes interior seeds and weeds. (Air screenings).
7. Settling Chamber receives and settles Air screenings.
8. Suction Auger delivers Air screenings to side of machine.
9. Suction Air Valve controls air suction in channel 6 for more or less air.
10. Suction Fan creates air suction and blows Dust outside.
11. Air Volume Control controls the amount of air warranted in cleaning different varieties of seed.
12. Vertical Air Fan for final grading of seed by weight.
13. Vertical Air Fan Control works together with fan speed in adjusting Air screenings blown into Air screening collector.
14. Air Screening Collector and Dust Outlet.
15. Air Vent Must pull a little air in — open or close air volume control valve 11 and adjust vertical air valve 13.
16. Dust Outlet when leading out do not restrict by using smaller pipe.