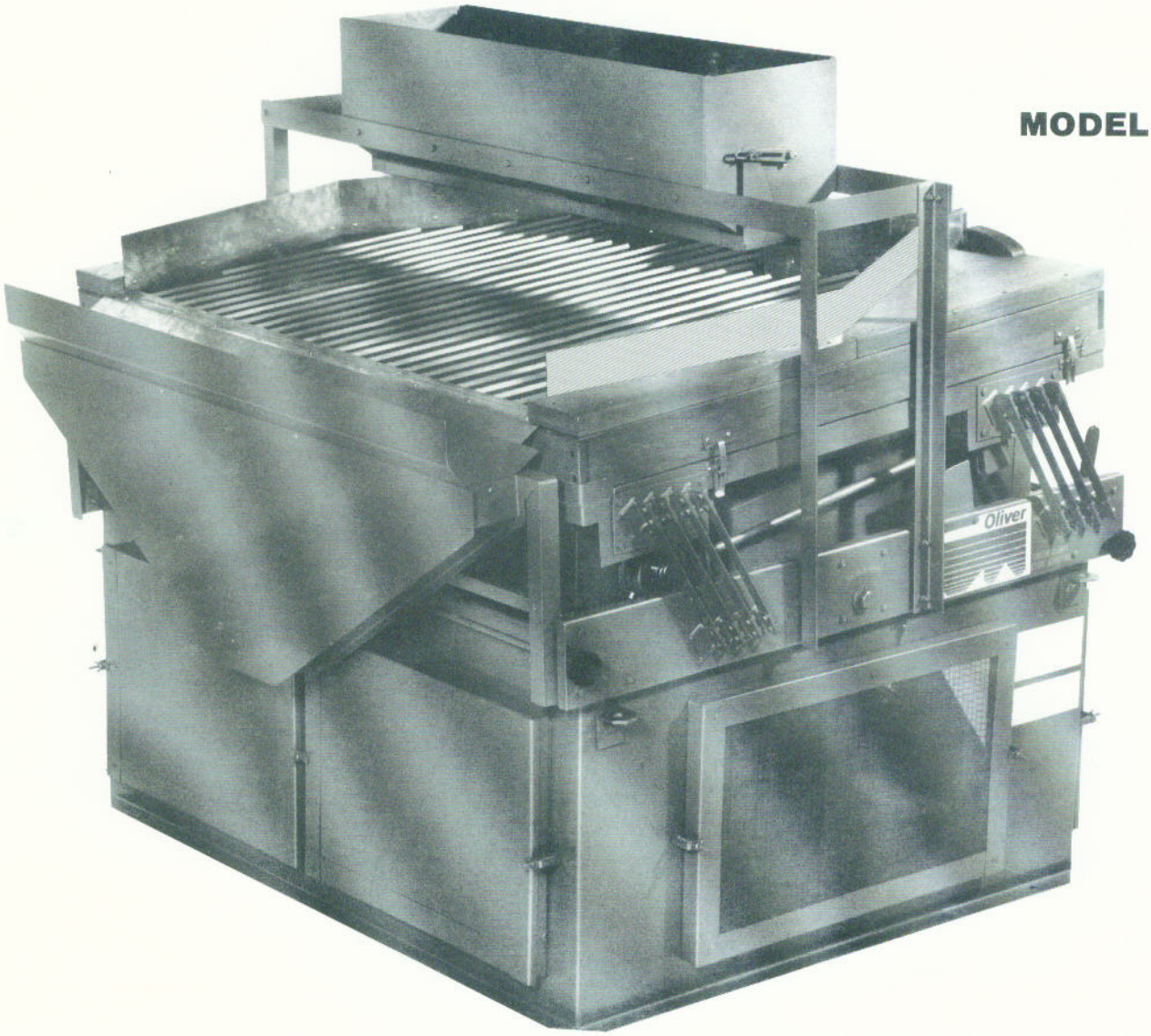
Oliver

STONER

MODEL 4848



- **The Most Profitable Stoner Available**
- **Superior Separation Quality**
- **Versatile**
- **Outstanding Workmanship and Design**
- **Simple Installation**
- **Engineered to Fit Your Separating Needs**

The Oliver STONER

The Most Profitable Stoner Available

The Oliver Stoner gives you more for your money than any competing stoner on the market today. It is relatively inexpensive to purchase. It is also easy and economical to operate. That is why it is the most popular machine of its kind in the world today.

Superior Separation Quality

There are many reasons why the Oliver Stoner gives you the best possible separation quality. To begin with, Oliver's exclusive multiple throat deck design makes it much easier to adjust the machine to achieve a good separation. Second, all major adjustments on the Oliver Stoner are made by very precise screw controls. As a result of this increased adjustment precision, accurate separations are easily achieved. The larger Oliver Stoners use a series of evenly spaced fans to achieve the proper air pattern without requiring the power-robbing baffling required by competing single fan systems. Finally, all of the materials used in the construction of the Oliver Stoner are chosen to enhance the quality of the separation.

Versatile

The Oliver Stoner can be used for separating any type of dry bulk commodity, where the particles are about the same size, but differ in weight. It efficiently removes a small amount of heavy material from a larger quantity of light material.

Common uses include the removal of mud and stones from edible beans, reclaiming copper and other non-ferrous metals from ground refuse; eliminating sticks from dry spices like oregano; and the separation of unexpanded pearlite from a greater mass of expanded pearlite.

It is also commonly used to separate cereal grains, vermiculite, edible beans, industrial refuse, peanuts, coffee beans, a wide variety of other materials, as well as to eliminate mud and other heavy contaminents.

Outstanding Workmanship & Design

1. The Oliver Stoner features a patented multiple fan system made up of a series of evenly spaced fans requiring a minimum of power-robbing baffling. This method of air distribution greatly improves separation quality.

2. Oliver's unique multiple throat deck design makes possible the separation of a small fraction of heavy material from a larger quantity of light material. The multiple stone traps on Oliver Stoners create a more effective means of separation than the large single throat found on competitive stoners. Due to the extra concentrating action of the Oliver deck design, adjustments are less critical than on single throat stoners of a similarly rated capacity.

3. The Oliver Stoner is easy to adjust, and all changes can be made while the machine is in operation. Extremely precise screw controls for air and eccentric speed make it possible to regulate the Stoner to a very high degree of accuracy. Simplified operation requires a minimum of operator training and supervision.

4. Eccentrics are spring counterbalanced to eliminate excessive vibration, resulting in extended bearing life. This feature, along with the heavy steel base, makes the Oliver the most rigidly constructed stoner available.

5. Decks are constructed from specially selected wood to eliminate cracking problems found in metal decks under constant vibration. The decks are reciprocated on specially tempered springs, which hold the moving parts of the machine rigidly.

6. All components of the Oliver Stoner are located within the base of the machine, making it both safe and easy to install. Oliver Stoners meet the mechanical safety requirements of the 1970 Williams-Steiger Act (OSHA) without any need for additional guarding. Built-in air filters can be removed quickly for cleaning and easy access to moving parts.

7. The Oliver Stoner is well known for its long life and reliability. Machines built in the 1930's are still in operation; and parts are available quickly and economically for these separators, as well as any other Oliver products.

8. Operation is by a single electric motor, which is installed inside the frame of the machine.

9. Oliver manufactures a line of dust control accessories that can diminish any dust problem. A large volume of air is passed through the material being separated. Consequently, dust can be a problem with some commodities. For minor dust control, an Oliver aspirating feeder is the answer. It is capable of handling over 90% of a dust problem with very little additional cost. With serious dust problems, tighter regulation is necessary. For an additional cost, Oliver produces a complete line of dust hoods that will control 99% + of a severe dust problem.

Simple Installation

To install your Stoner, a solid foundation is necessary, because a weak foundation absorbs much of the eccentric motion of a stoner, resulting in poor separation. We recommend that Oliver machines be installed on a firm foundation such as a concrete slab or reinforced flooring.

Clean air is also necessary for efficient operation. Room air is usually adequate when taken in through filters in the base of the machine. For extremely dusty conditions, a nipple panel is supplied with the machine to allow outside air to be pumped in.

We recommend that you feed the Stoner from a surge bin to insure an even rate of intake.

Engineered To Fit Your Separating Needs

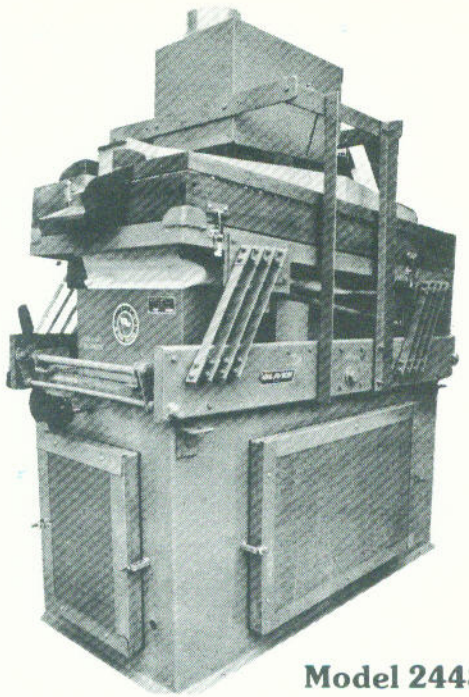
We offer a wide variety of options and accessories. In order to optimize the performance of a particular machine for any kind of operation, many deck coverings are available. "A" type decks may be covered with either 10 mesh or 16 mesh wire cloth, and provide the best separation of commodities the size of cereal grains or larger. "B" type decks may be covered with fine wire mesh or cloth, depending on the separation involved. We will be happy to advise you on the selection of the proper deck cover for your Oliver Stoner.

Parts And Service

Oliver Manufacturing Company enjoys a reputation for superior service and warm respect. A large part of the company's success is due to the high standards first set by our founder, Oliver Steele. Those standards are a tradition today.

The company quickly and economically provides repair parts, even though Oliver products are well-known for their long life and reliability. Most parts are shipped the same day you order.

Finally, Oliver offers *FREE* laboratory service to all it's customers. If you have a separation problem, let our staff apply 55 years of problem solving. Send us a sample of the product with an explanation of your goals. You will receive an honest appraisal whether an Oliver machine will benefit you.



Model 2448

Capacities

Stoner capacities are a function of the difference in specific gravities of the commodities to be separated, as well as the particle size. Generally a stoner cannot be expected to achieve a separation where the undesired heavy product is smaller than the light product. The capacities shown below represent average production where at least a 20% weight difference exists between the desirable and undesirable products. Extremely close separations where only a 5% difference in density exists are possible. Closer separations always lower the effective capacity. These estimates are furnished as a guide and should not be taken literally. Due to the wide variation in separating requirements, Oliver Manufacturing Company cannot guarantee these specific capacities. However, these estimates are conservative and have been equalled or exceeded when stoners and other associated equipment have been installed and operated properly.

Machine Capacities – The Oliver Stoner

PARTICLE SIZE	COMMODITY EXAMPLE	MODEL 6048	MODEL 4848	MODEL 3648	MODEL 2448
		(ALL FIGURES IN POUNDS PER HOUR)			
1/4''-3/8''	Beans, Corn, Peas 10 Mesh "A" Deck	20,000	10,000	5,000	2,500
1/8''-1/4''	Wheat, Oats, Corn 16 Mesh "A" Deck	19,000	7,000	4,000	2,000
1/16''-1/8''	Alfalfa, Millet, Sesame 30 Mesh "B" Deck	7,000	3,500	2,000	1,000
1/16'' &Below	Clover, Fescue, Bluegrass Linen "B" Deck	4,000	2,000	1,000	600

The Oliver STONER

GENERAL SPECIFICATIONS

MODEL	DECK SIZE Inches (Centimeters)	MOTOR	WT.
2448	24 (61) X 48 (122)	3 H.P.	71 lb.
3648	36 (91) X 48 (122)	5 H.P.	85 lb.
4848	48 (122) X 48 (122)	5 H.P.	85 lb.
6048	60 (152) X 48 (122)	7½ H.P.	125 lb.

GENERAL SPECIFICATIONS

MODEL	Inches (Centimeters) High	Wide	Long	Shipping Weight Pounds	Kilograms
2448	60½ (154)	28½ (72)	61 (155)	750	(340)
3648	60½ (154)	40½ (103)	61 (155)	910	(413)
4848	60½ (154)	52½ (133)	61 (155)	1050	(475
6048	60½ (154)	64½ (164)	61 (155)	1225	(556)

EXPORT DATA

MODEL	Inches (Centimeters) High	Wide	Long	Pounds (Kilograms) Net. Wt.	Gross Wt.
2448	57 (145)	32 (81)	70 (170)	550 (250)	925 (420)
3648	57 (145)	44 (12)	70 (170)	685 (310)	1060 (480)
4848	57 (145)	56 (142)	70 (170)	790 (360)	1270 (575)
6048	57 (145)	68 (173)	70 (170)	950 (430)	1575 (714)

The above figures are approximate, and may vary depending on accessories ordered.

– SINCE 1930 –

Oliver®

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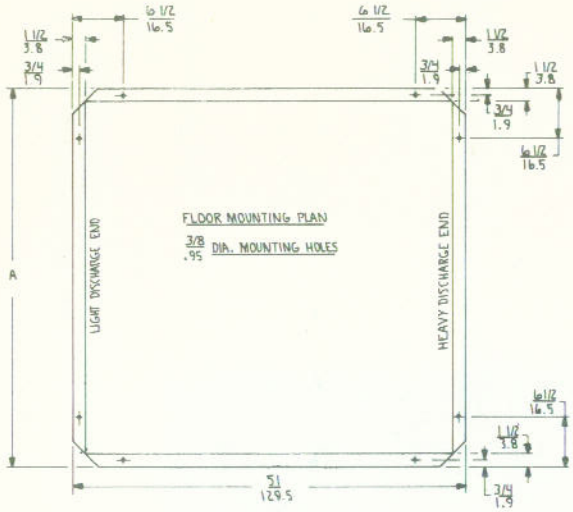
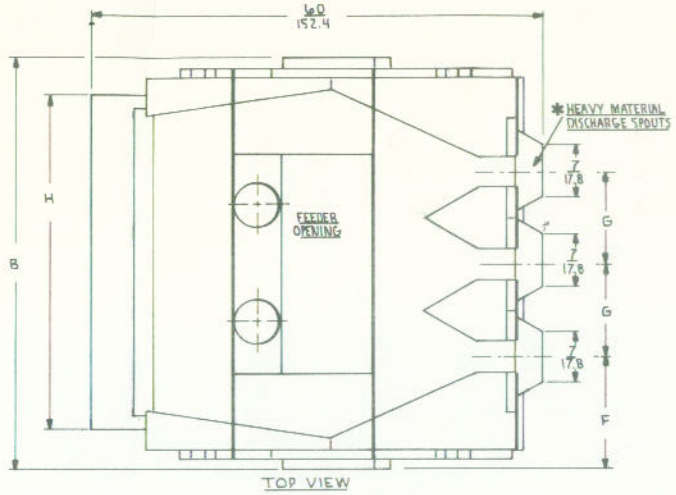
The OLIVER STONER

WITH ASPIRATING FEEDER

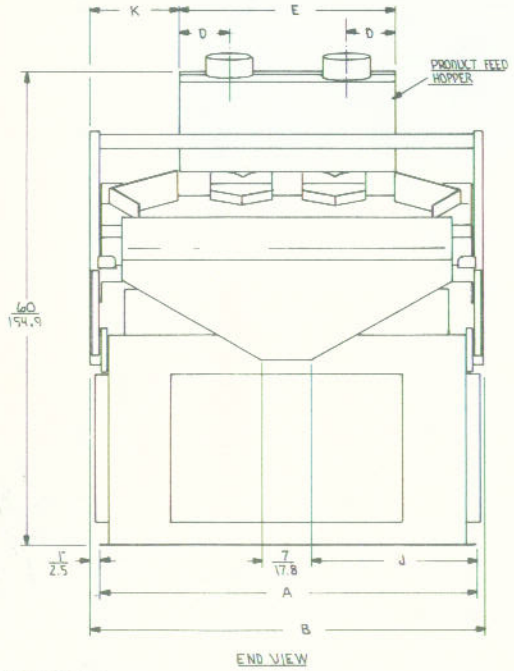


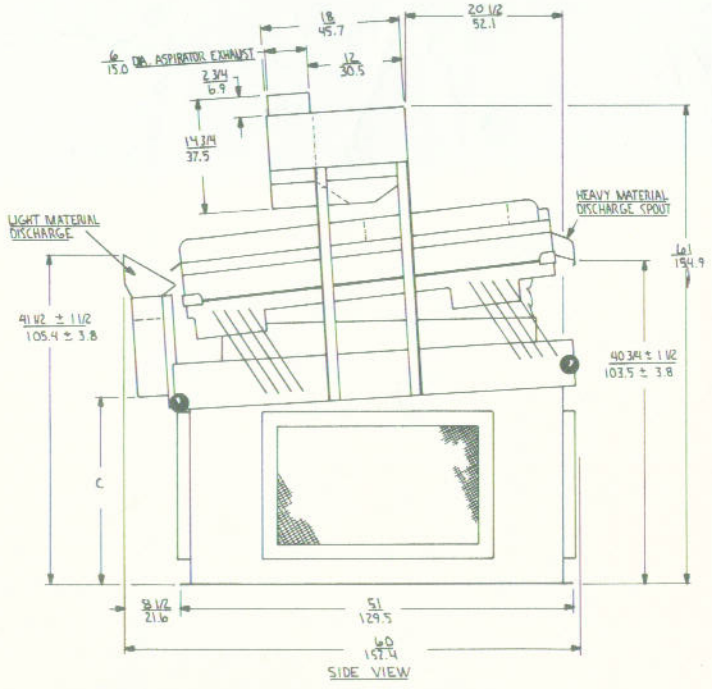


* HEAVY MATERIAL DISCHARGE SPOUTS
MODEL 2448 HAS ONE SPOUT
MODEL 3648 HAS TWO SPOUTS
MODEL 4848 AND 6048 HAVE 3 SPOUTS

DIMENSIONS INCHES / CM

MODEL	2448	3648	4848	6048
A	25 / 63.5	37 / 94.0	49 / 124.5	61 / 154.9
B	27 1/2 / 69.9	39 1/2 / 100.3	51 1/2 / 130.8	63 1/2 / 161.3
C	24 / 61.0	24 / 61.0	24 / 61.0	18 / 45.7
D	6 / 15.2	10 / 25.4	6 1/2 / 16.5	8 1/2 / 21.6
E	12 / 30.5	20 / 50.8	28 / 71.1	36 / 91.4
F	13 3/4 / 34.9	13 3/4 / 34.9	13 3/4 / 34.9	15 3/4 / 40.9
G	— / —	12 / 30.5	12 / 30.5	16 / 40.6
H	19 / 48.3	31 / 78.7	43 / 109.2	55 / 139.7
J	9 / 22.9	15 / 38.1	21 / 53.3	27 / 68.6
K	7 3/4 / 19.7	9 3/4 / 24.8	11 3/4 / 30.0	13 3/4 / 34.9
MOTOR REQ'D	3 HP	5 HP	5 HP	7.5 HP
MACHINE WEIGHT	750	875	1050	1200





JUNE 1984

Oliver

ROCKY FORD, COLORADO 81067