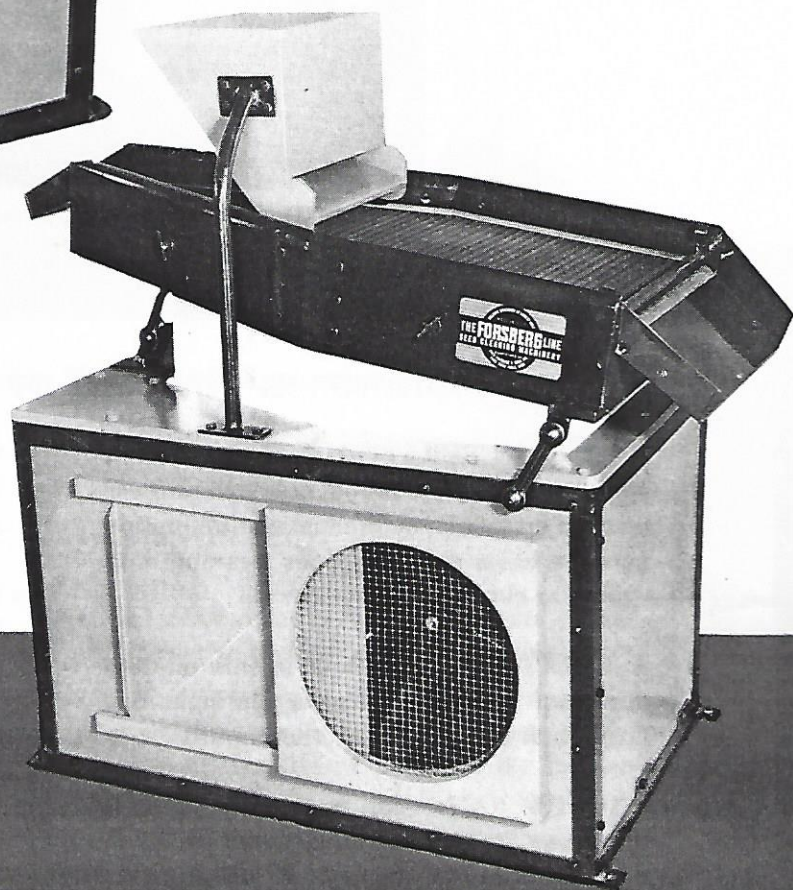


MODEL CV STONER



MODEL C STONER

GREATEST EFFICIENCY AT LOWEST COST  
 MADE IN U.S.A.  
**FORSBERGS, INC.**  
 MANUFACTURED BY  
 FRED FORSBERG & SONS, INC.  
 RIVER FALLS, WISCONSIN

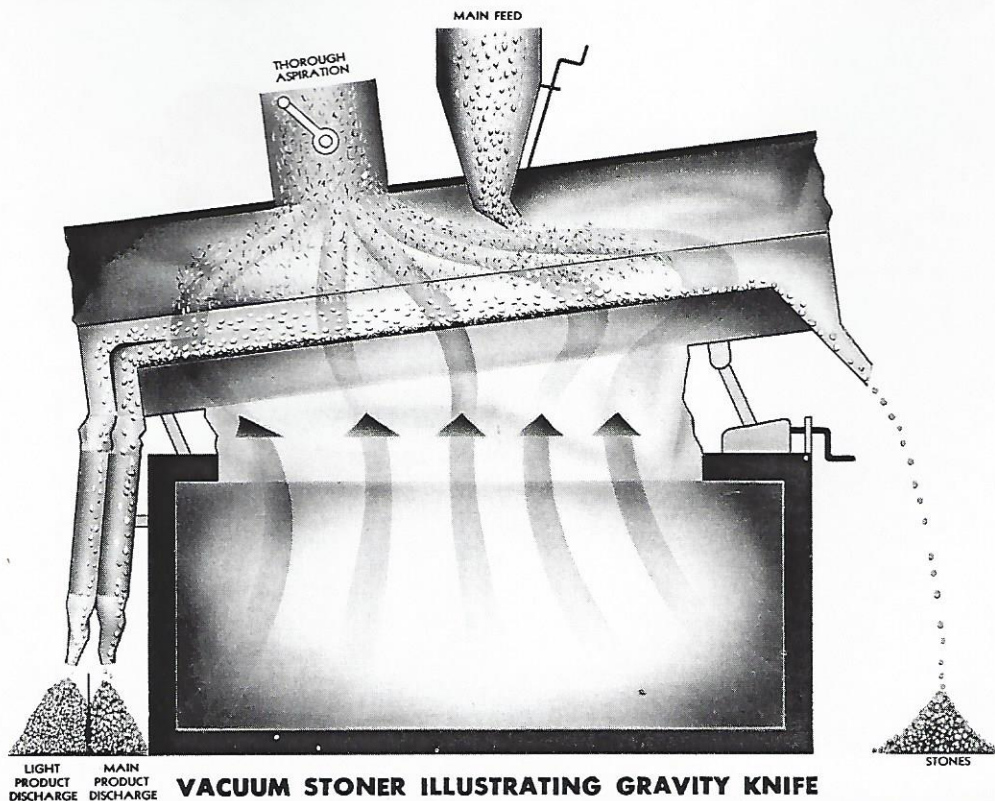
# VACUUM and STANDARD STONERS



# VACUUM FORSBERG STONER

FOR COMPLETE DUST FREE OPERATION

AVAILABLE  
IN 3 SIZES



"Either our  
all we claim  
machine and

**FORSBERG**

For the remo  
dirt lumps,  
and other  
from D

## OUTSTANDING FEATURES OF VACUUM OPERATION

- **VACUUM OPERATION:** Wherever complete cleanliness is required, here is the answer, no open deck area, no product contamination, no more clean up time; Your cleaning room can be as clean as your office.
- **ASPIRATION:** Not only is this machine dustproof but it also removes the light dirt, dust, chaff and other airborne impurities.
- **VACUUM FAN:** Can be set in handy location away from machine, piping is run from machine to fan, then out to either a cyclone or dust bin. Fan units available from 3 to 15 hp.
- **TROUBLE FREE OPERATION:** Designed for continuous operation, heavy duty construction working on sealed bearings. All moving parts are totally enclosed eliminating any danger to machine parts or operator.
- **COMPLETE STONING:** Heavy dirt lumps, stones, clay, tramp metal, glass, etc. quickly and completely removed.
- **HIGH CAPACITY:** Up to 400 bu. per hr. built in three sizes, you are sure to find a size to fit your requirements.
- **COUNTER-BALANCED ASSEMBLY:** No need for cement floors or special bracing. Counterbalance does away with all excessive body vibration.
- **CONSTANT TEMPERATURE:** Air can be piped into machine and exhausted without being released in the cleaning room. Now making it possible to successfully heat your cleaning room in cold weather.
- **GRAVITY KNIFE:** See explanation on opposite page.



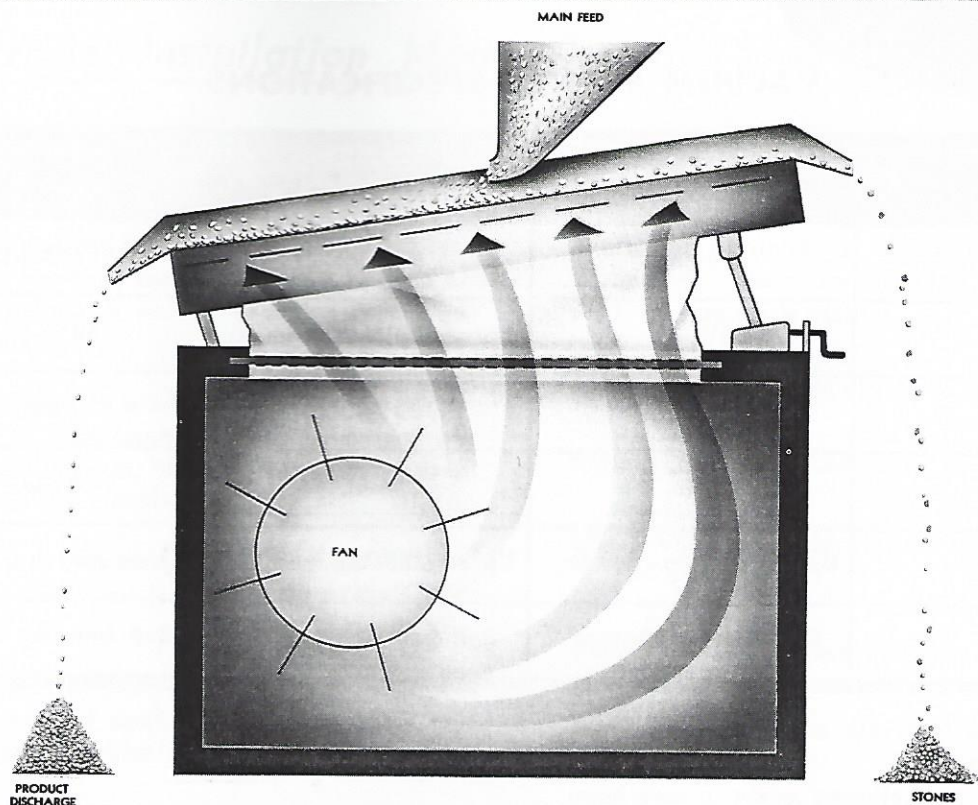
# STANDARD FORSBERG STONER

FOR REMOVAL OF HEAVY FOREIGN MATERIAL

"We will do  
-or it's our  
key."

## STONERS

removes  
stones, heavy  
foreign metal  
material  
contaminants



AVAILABLE  
IN 4 SIZES

## PROVEN FEATURES—Thru Years of Experience

- **SIMPLE OPERATION:** Once set this stoner requires no watching or adjusting—only three simple adjustments—just set them and lock.
- **SMOOTH OPERATION:** Full Counter-balanced, and the deck assembly is free floating. It's set in rubber—No need for cement floors.
- **AIR CONTROL DECK:** Makes closer marginal separations—Nothing to adjust—the accuracy is built in.
- **DISTINCT SEPARATION:** All stones are removed without the loss of clean stock—there is no shrinkage and no stones left in your product.
- **COMPACT CONSTRUCTION:** No external drive or outside moving parts permit this stoner to operate in small working areas.
- **CUTS EXPENSE:** By removing the cause of wear and tear on spouting and machinery because of stones and dirt that are in your product.

### A GREAT EXCLUSIVE FEATURE AVAILABLE ON FORSBERG STONERS

**GRAVITY KNIFE:** Either vacuum or standard stoners are available with a horizontal gravity knife that enables them to skim off all of the light material as the stock discharges. This simple efficient attachment will greatly cut your cleaning time and cleaning expense. 60% to 90% of your products can be taken off gravity pure when using this **GRAVITY KNIFE**.

See Specifications on Back Page.



# SPECIFICATIONS

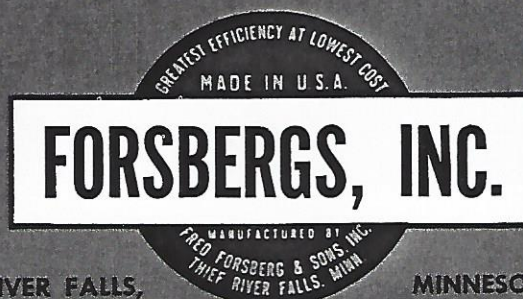
## VACUUM STONER SPECIFICATIONS

	MODEL BV	MODEL CV	MODEL DV
Weight	650 lbs.	875 lbs.	1100-lbs.
Height	55½-in.	59½-in.	60½-in.
Length	52-in.	63½-in.	74-in.
Width	28-in.	36-in.	44-in.
Capacity	Up to 125 Bu. per hr.	Up to 225 bu. per hr.	Up to 400 bu. per hr.
	Ball bearing thruout	Ball bearing thruout	Ball bearing thruout

## STANDARD STONER SPECIFICATIONS

	MODEL "A"	MODEL "B"	MODEL "C"	MODEL "D"
Height	19	38"	44"	68"
Width	16	30"	36"	44"
Length	30	36"	56"	64½"
Horsepower	¾	3	5	10
Capacity Bu. Per Hr.	Up to 25	Up to 125	Up to 225	Up to 400

**FORSBERGS, Inc., Manufacturers**



THIEF RIVER FALLS,

MINNESOTA



# Directions For Installation and Operation of FORSBERG STONER

## Proper Installation Means Trouble Free Operation

### LOCATION

Floor should be sound and free from vibration. Counterbalancing of the Forsberg machines permit the use of lag screws if the floor is sound. Machine should be held securely in place.

Under or close enough to a bin to assure ample supply of raw material to keep hopper filled . . . do not try to operate on mill stream, the hopper must be used to control flow to the machine.

Check for source of clean air so that it can be drawn into room easily. Clean air is air free from chaff and dust.

Allow enough space at the lower end of machine to permit easy removal of deck for cleaning. Allow enough space around machine to operate adjustments.

### NOW CHECK THESE POINTS . . .

1. Remove the skids when uncrating . . . crating lumber is uneven and does not make a good base and will warp.
2. Level the machine . . . take a level along side of box and cross lower end of deck . . . recheck this level after you have used machine a few days to be sure that it stays true . . .
3. Feed spout must be kept high enough in hopper to permit hopper to be filled when machine is in operation . . . feed to the deck must be controlled by crank on feed hopper.
4. Make sure fan is revolving in proper direction after wiring motor.
5. Standard drive is for 1720 to 1750 R.P.M. motor. Fan speed should be 1080 to 1110 R.P.M.
6. Keep belt on deck drive motor tight . . . this will have to be rechecked until stretch is taken from belt.
7. It is advantageous to filter the air going into machine. Use ample filter surface . . . not less than four filters 20x20x2" on the B and C, and six on the D. Keep them clean.

### THE OPERATION IS SIMPLE AND FAST . .

There are six points of adjustments on the Forsberg Stoner . . . these are listed in order in which they are most frequently used.

AIR VALVE—located at side of machine.

FEED ADJUSTMENT—located on feed hopper.

SPEED CONTROL—located on air box at lower end of machine.

FRONT POST—located at upper end of machine.

Two adjustments: the elevation adjustment for raising or lowering end of deck . . . winged bolt holds base of head post in place, permits base to be moved forward or backwards to increase or decrease thrust.

Close hopper and allow to fill.

Open air valve approximately half way.  
Start motor.

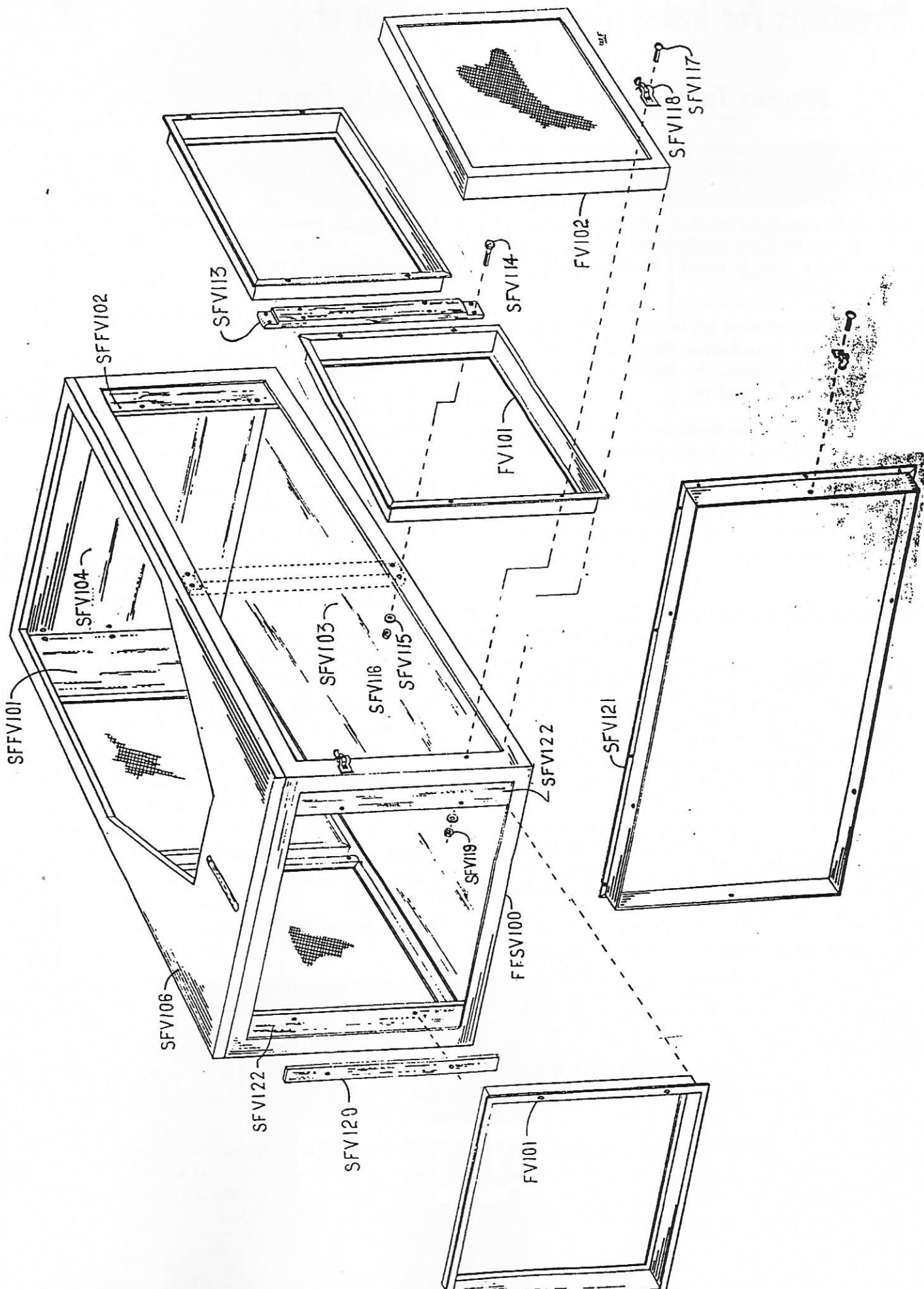
Open hopper slowly allowing material to flow until it covers deck to depth of about 1".

Adjust air valve until material shows slight bubbling action.

Do not allow material to boil.

Check and see that stone is traveling toward spill point freely. If no stone appears lower deck until stone comes up to spill point. Should this not do it then increase speed of deck and check base setting. Moving base forward will increase thrust and bring material toward spill point.

If the machine is producing clean sample and in proper proportion but not up to rated capacity, increase feed rechecking sample to make sure finished product is clean.



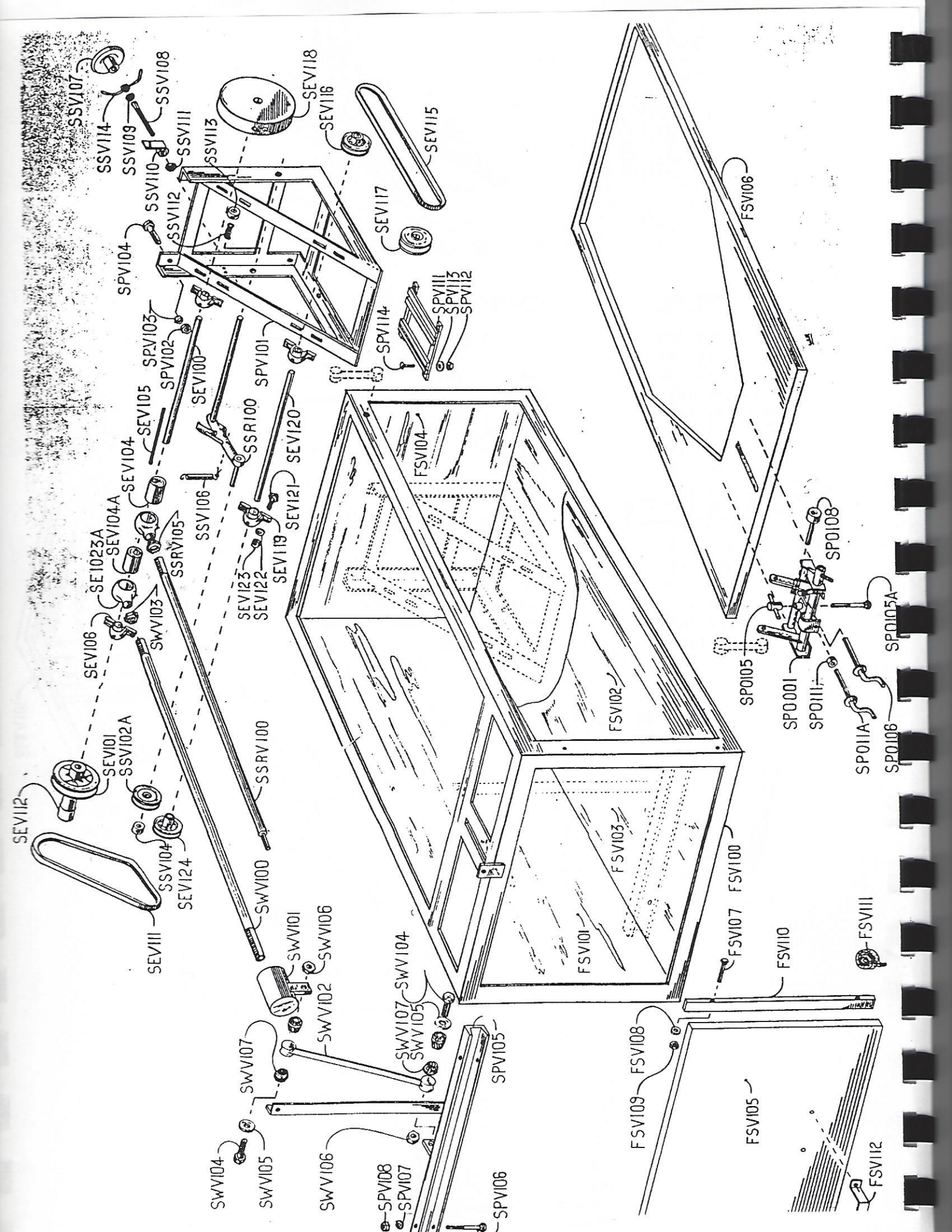


PARTS LIST

MODEL BV, CV & DV STONERS

<u>PART NO.</u>	<u>DESCRIPTION</u>
FFSV 100	MAIN FRAME
SFFV 101	PANEL (LEFT)
SFFV 102	PANEL (RIGHT)
SFV 103	FLOOR
SFV 104	PANEL (REAR)
SFV 106	TOP BOARD
SFV 113	SPACER
SFV 114	BOLT
SFV 115	WASHER
SFV 116	NUT
SFV 117	STOVE BOLT
SFV 118	CLIP
SFV 119	NUT
SFV 120**	FILL STRIP
SFV 121*	DOUBLE FILTER FRAME
SFV 122**	SPACER
FV 101	FILTER FRAME
FV 102	FILTER

\* MODEL DV ONLY  
\*\* MODEL BV & CV





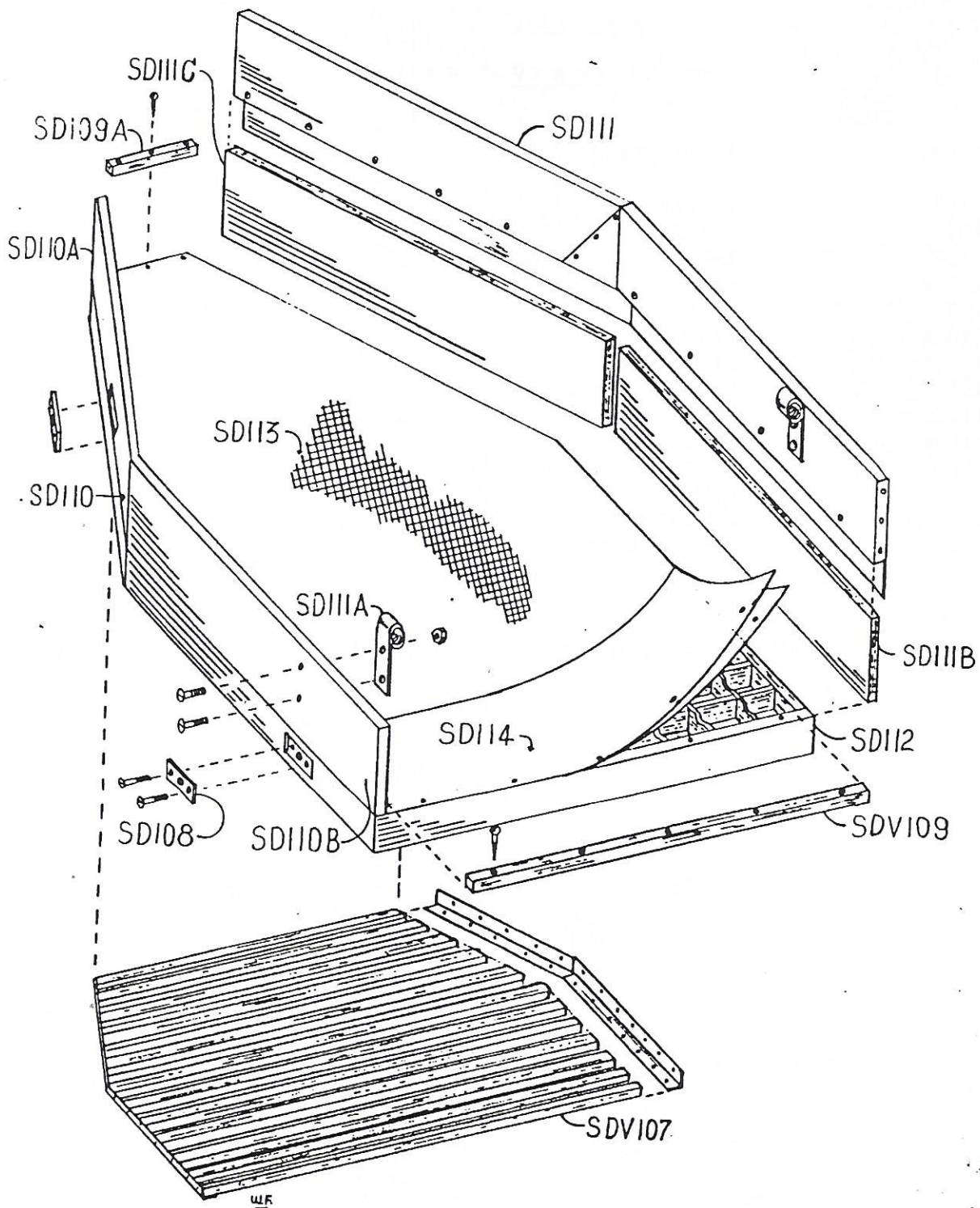
PARTS LIST

MODEL BV, CV & DV STONERS

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
FSV 100	FRAME	SEV 111	BELT (ECCENTRIC)
FSV 101	PANEL (LEFT)	SEV 112	DUST CAP
FSV 102	PANEL (RIGHT)	SEV 115	DRIVE BELT
FSV 103	FLOOR	SEV 116	PULLEY (DRIVEN)
FSV 104	PANEL (REAR)	SEV 117	MOTOR PULLEY
FSV 105	DOOR	SEV 118	BALANCE WHEEL
FSV 106	TOP BOARD	SEV 119	COUNTER WEIGHT BEARING
FSV 107	BOLT	SEV 120	COUNTER SHAFT
FSV 108	WASHER	SEV 121	BOLT
FSV 109	NUT	SEV 122	WASHER
FSV 110	DOOR STOP	SEV 123	NUT
FSV 111	DOOR SEAL	SEV 124	PULLEY (DRIVING)
FSV 112	HANDLE	SEV 100	SPEED CHANGE ARM
SPO 001	POST (COMPLETE)	SSV 102-A	IDLER PULLEY
SPO 105	LOCK WING	SSV 104	COLLAR
SPO 105-A	FRAME BOLT	SSV 106	SPRING
SPO 106	ELEVATION CRANK	SSV 107	HAND WHEEL
SPO 108	PIN	SSV 108	ADJUSTMENT SCREW
SPO 111	COLLAR	SSV 109	WASHER (LOCK)
SPO 111-A	DRAW CRANK	SSV 110	PIN GUIDE
SPV 101	INNER FRAME	SSV 111	LOCK NUT
SPV 102	NUT	SSV 112	SPRING
SPV 103	LOCK WASHER	SSV 113	COLLAR
SPV 104	BOLT	SSV 114	LOCK
SPV 105	COUNTER WEIGHT BRACKET	SSRV 100	SHOE CONNECTING ROD
SPV 106	BOLT	SSRV 105	ROD BUSHING
SPV 107	LOCK WASHER	SWV 100	COUNTER WEIGHT ROD
SPV 108	NUT	SWV 101	COUNTER WEIGHT
SPV 111	MOTOR BASE	SWV 102	CARRY LINK
SPV 112	NUT	SWV 103	ROD BUSHING
SPV 113	WASHER	SWV 104	BOLT
SPV 114	BOLT	SWV 105	WASHER
SEV 100	ECCENTRIC SHAFT	SWV 106	NUT
SEV 101	SPEED CHANGE PULLEY	SWV 107	RUBBER CONE
SEV 104	SHOE ECCENTRIC	SE 102-3-A	ECCENTRIC BEARINGS
SEV 104-A	WEIGHT ECCENTRIC		
SEV 105	KEY		
SEV 106	BEARING		

SERIAL NUMBER OF MACHINE MUST BE INCLUDED







PARTS LIST

MODEL BV, CV & DV STONERS

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
SDV 100	SHOE	SDV 135-D	RUBBER
SDV 100-A	BELLOWS SHIELDS	SDV 136	AIR INTAKE VALVE
SDV 100-B	BELLOWS STICKS	SDV 136-A	VALVE
SDV 100-C	WING NUT	SDV 136-B	STUB SHAFT (LEFT)
SDV 103	BRACKET (LEFT)	SDV 136-C	BEARING
SDV 103-A	BRACKET (RIGHT)	SDV 136-D	STUB SHAFT (RIGHT)
SDV 120	UPPER BELLOWS	SDV 136-E	LOCK NUT
SDV 121	SPRING CLIPS	SDV 136-F	HANDLE
SDV 122	BELLOWS RODS	SPO 115-A	RUBBER CONE
SDV 123	DISCHARGE SPOUT	SPO 115-B	SPACER
SDV 123-A	BRACKET (LONG)	SPO 115-C	LINK
SDV 123-B	BRACKET (SHORT)	SPO 115-D	WASHER
SDV 124	LEATHER VALVE	SPO 115-E	BOLT
SDV 125	VALVE CLAMP	SPO 115-F	NUT
SDV 126	RUBBER VALVE	SPO 115-1A	REAR POST CONN. LINK (COMPLETE)
SDV 127	VALVE CLAMP (LONG)	HSV 104-A	FEED HOPPER
SDV 128	VALVE CLAMP (SHORT)	HSV 104-B	BRACKET
SDV 129	RUBBER DIVIDERS	HOS 104-C	CRANK
SDV 130	DIVIDER COMPLETE	HOS 104-D	COLLAR
SDV 131	KNIFE	HOS 104-E	NUT
SDV 131-A	ROD	HOS 104-F	BOLT
SDV 131-B	RUBBER WASHER	HOS 104-G	BRACKET
SDV 131-C	COLLAR	HS 106-A	HOOD BRACKET (LEFT REAR)
SDV 131-D	Bracket	HS 106-B	HOOD BRACKET (LEFT FRONT)
SDV 131-E	WASHER	HS 106-C	HOOD BRACKET (RIGHT FRONT)
SDV 131-F	BRACKET	HS 106-D	HOOD BRACKET (RIGHT REAR)
SDV 131-G	PIN	HS 111	FEED HOPPER
SDV 131-H	COLLAR	HS 111-A	BRACKET (HOLD DOWN)
SDV 131-I	SPRING	HS 111-B	BRACKET
SDV 131-J	CRANK	HS 111-C	ROD
SDV 132	WINDOW (LARGE)	HS 111-D	SPRING
SDV 133	WINDOW (SMALL)	HS 111-E	WING NUT
SDV 134	TOP HOOD	SSR 101	SHOE BRACKET (UPPER)
SDV 134-A	BELLOW MODDING	SSR 102	NUT
SDV 134-B	HOOD IRONS	SSR 103	WASHER
SDV 134-C	CLIPS	SSR 104	RUBBER WASHER
SDV 134-D	BRACKET	SD 106	LOWER BELLOWS
SDV 134-E	NIPPLE	SPO 103-A	RUBBER CONE
SDV 134-F	GLASS	SPO 103-B	SPACER
SDV 134-G	LIGHT BULB	SPO 103-C	LINK
SDV 134-H	RECEPTACLE	SPO 103-D	BOLT
SDV 134-I	NUT	SPO 103-E	WASHER
SDV 135	DISCHARGE VALVE	SPO 103-F	NUT
SDV 135-A	VALVE BRACKET	SPO 103-1A	FRONT POST CONN. LINK (COMPLETE)
SDV 135-B	TROUGH	SPO 104	FRONT POST SHOE BRACKET
SDV 135-C	CLAMP		

SERIAL NUMBER OF MACHINE MUST BE INCLUDED