



Steam Finishing Board

Model A

OWNER'S MANUAL

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THIS MANUAL MUST BE GIVEN TO THE EQUIPMENT OWNER.

WARRANTY

The Cissell Manufacturing Company (Cissell) warrants all new equipment (and the original parts thereof) to be free from defects in material or workmanship for a period of one (1) year from the date of sale thereof to an original purchaser for use, except as hereinafter provided. With respect to non-durable parts normally requiring replacement in less than one (1) year due to normal wear and tear, including, but not limited to, cloth goods, valve discs, hoses, and iron cords, and with respect to all new repair or replacement parts for Cissell equipment for which the one (1) year warranty period has expired, or for all new repair or replacement parts for equipment other than Cissell equipment, the warranty period is limited to ninety (90) days from date of sale. The warranty period on each new replacement part furnished by Cissell in fulfillment of the warranty on new equipment or parts shall be for the unexpired portion of the original warranty period on the part replaced.

With respect to electric motors, coin meters and other accessories furnished with the new equipment, but not manufactured by Cissell, the warranty is limited to that provided by the respective manufacturer.

Cissell's total liability arising out of the manufacture and sale of new equipment and parts, whether under the warranty or caused by Cissell's negligence or otherwise, shall be limited to Cissell repairing or replacing, at its option, any defective equipment or part returned f.o.b. Cissell's factory, transportation prepaid, within the applicable warranty period and found by Cissell to have been defective, and in no event shall Cissell be liable for damages of any kind, whether for any injury to persons or property or for any special or consequential damages. The liability of Cissell does not include furnishing (or paying for) any labor such as that required to service, remove or install; to diagnose troubles; to adjust, remove or replace defective equipment or a part; nor does it include any responsibility for transportation expense which is involved therein.

The warranty of Cissell is contingent upon installation and use of its equipment under normal operating conditions. The warranty is void on equipment or parts; that have been subjected to misuse, accident, or negligent damage; operated under loads, pressures, speeds, electrical connections, plumbing, or conditions other than those specified by Cissell; operated or repaired with other than genuine Cissell replacement parts; damaged by fire, flood, vandalism, or such other causes beyond the control of Cissell; altered or repaired in any way that effects the reliability or detracts from its performance, or; which have had the identification plate, or serial number, altered, defaced, or removed.

No defective equipment or part may be returned to Cissell for repair or replacement without prior written authorization from Cissell. Charges for unauthorized repairs will not be accepted or paid by Cissell.

CISSELL MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, STATUTORY OR OTHERWISE, CONCERNING THE EQUIPMENT OR PARTS INCLUDING, WITHOUT LIMITATION, A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, OR A WARRANTY OF MERCHANTABILITY. THE WARRANTIES GIVEN ABOVE ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. CISSELL NEITHER ASSUMES, NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT, ANY OTHER WARRANTY OR LIABILITY IN CONNECTION WITH THE MANUFACTURE, USE OR SALE OF ITS EQUIPMENT OR PARTS.

For warranty service, contact the Distributor from whom the Cissell equipment or part was purchased. If the Distributor cannot be reached, contact Cissell.

TABLE OF CONTENTS

Warranty	1
Specifications	3-4
Installation Instructions	5
Operating Instructions.....	6
Iron & Lowboy Assembly Instructions	7-8
Overall View of Parts	9
Type D Lowboy Assembly & Installation.....	10-11
Lowboy Assembly Instructions.....	12

PARTS LISTS

Type P	13
Steam Finishing Board	14-15
Base Assembly.....	16
Top Assembly	17
Chamber & Valve Assembly	17
Air Vacuum Valve	18
Steam Vacuum Valve	18
Pleat Setter Rack.....	19-20
Two in One Sleeve Board	21
Installation of FB-154 Cover Assembly.....	22
Head Valves	23
Trouble-Shooting	24

STEAM FINISHING BOARD - MODEL "A"

The Cissell Steam Finishing Board comes complete with one 12" and one 18" Pleat Setter, Pleat Setter Rack, Cover and Padding for Board and Tray Assembly. Other equipment, such as Irons and Lowboys, is optional and must be ordered separately. Available for steam or central air vacuum.

Specifications

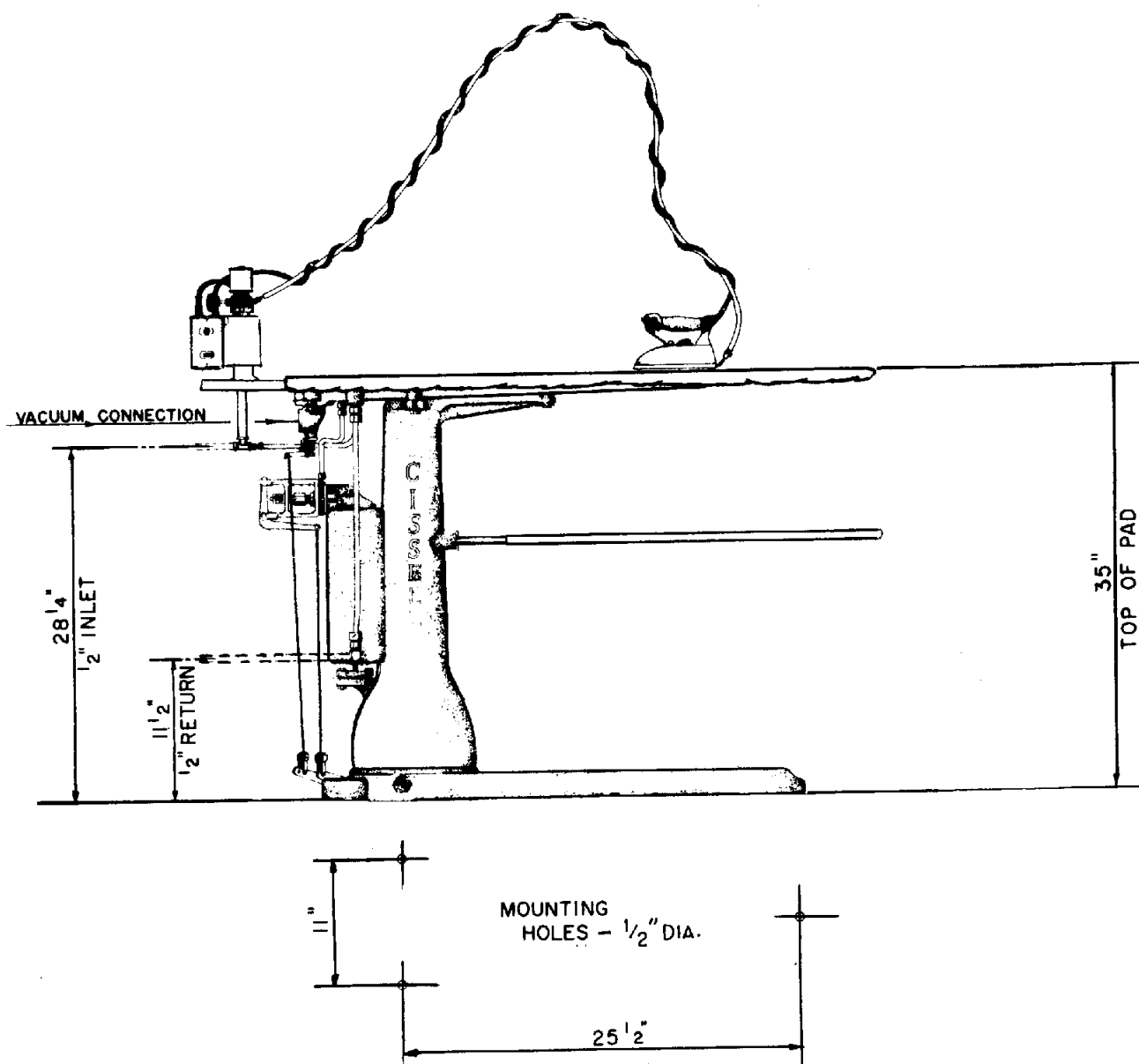
Floor Space	17" x 53" (43.2 cm x 134.6 cm)
Table Height37" (93.9 cm)
Length of Working Surface	46" (116.4 cm)
Width of Front End or Working Surface	9" (22.9 cm)
Width of Rear End of Working Surface	14" (35.6 cm)
Net Weight	260 lbs. (118 kg)
Domestic Shipping Weight	Approx. 300 lbs. (136 kg)
Export Shipping Weight	Approx. 475 lbs. (215.7 kg)
Export Shipping Dimensions.....	61" x 26" x 49" (155 cm x 66 cm x 124.5 cm)
Cubic Feet Export Crating	45 cu. ft. (1.26 m ³)
Boiler Horsepower Required.....	Approx. 1 1/4 (.931 kw)
Operating Steam Pressure	100 P.S.I.G. Max
Steam Supply Connection	1/2" Pipe (1.27 cm)
Steam Return Connection	1/2" Pipe (1.27 cm)
Steam Vacuum Exhaust Connection.....	1 1/4" Pipe (3.175 cm)
Central Air Vacuum Connection	1 1/4" Pipe (3.175 cm)

Specifications with Lowboy & Steam Electric Iron

Overall Height	75" (190.5 cm)
Net Weight	285 lbs. (129.4 kg)
Domestic Shipping Weight	Approx. 330 lbs. (149.8 kg)
Export Shipping Weight	Approx. 475 lbs. (215.7 kg)

Specifications for Two-In-One Swinging Sleeve Board Assembly (Optional)

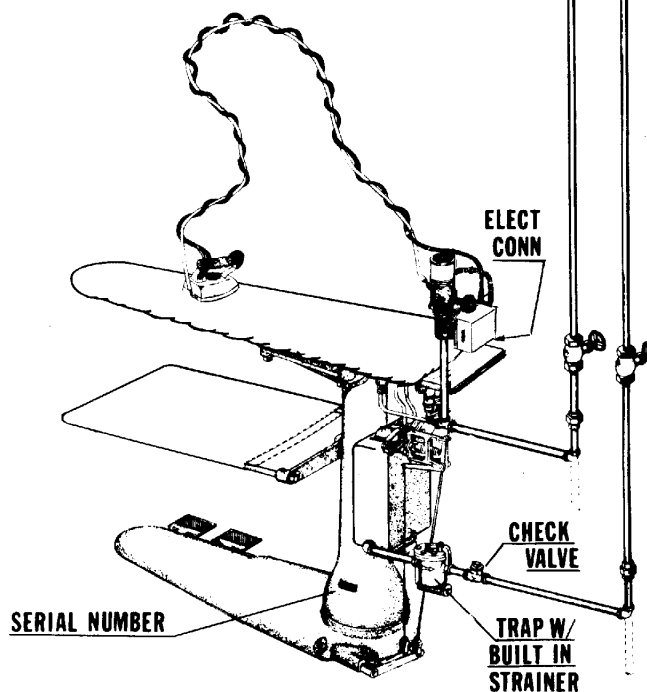
Length of Boards	23" (58.4 cm)
One Board 6" (15.2 cm) wide at rear end, tapering to 2 1/2" (6.35 cm) at front end.	
Other Board 4 7/8" (11.75 cm) wide at rear end, tapering to 2 1/2" (6.35 cm) at front end.	
Net Weight	Approx. 12 lbs. (5.45 kg)
Domestic Shipping Weight	Approx. 16 lbs. (7.26 kg)



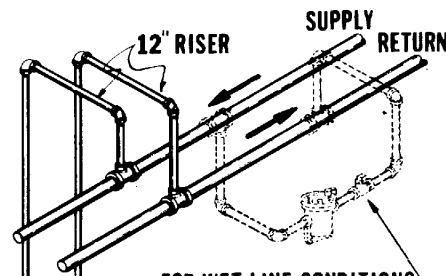
SPECIFICATIONS

Boiler Horsepower..... Approx. 1 1/4
Operating Steam Pressure.. 60 to 100
Steam Supply 1/2" Pipe
Steam Return 1/2" Pipe

INSTALL STEAM PIPING IN ACCORDANCE WITH
ALL LOCAL REGULATIONS AND REQUIREMENTS



"Y" STRAINER & THERMODYNAMIC TRAP
MAY BE SUBSTITUTED.



FOR WET LINE CONDITIONS

Installation Instructions

Make Steam Supply and
Steam Return Connections
as Illustrated

Whenever possible, horizontal runs of steam connections must drain by gravity to respective Steam Holder. Portions that drain by gravity, to machine, without pockets.

Each Steam Holder must drain, by gravity, to boiler or condensate return tank.

To prevent condensate draining from Steam Holders to machine, make steam connections to each respective Header with a 12 Inch (or more) vertical riser. Do not make steam connections to a Header with a horizontal or downwardly facing tee or elbow.

Water pockets, or an improperly drained steam line (or header) will provide wet steam, causing unnecessary wetting-out of buck padding and improper operation of steam iron.

Before installing check valve and trap w/built-in strainer, open globe valve in the supply line and allow to flush out any foreign matter that may be in the casting and pipes. This will help assure proper operation of trap when installed. If steam is gravity-returned to boiler, omit trap but install check valve in return line near machine.

NOTE: For successful operation of machine, install trap as close to floor and as near machine as possible. Inspect trap carefully for inlet and outlet marks and install according to manufacturers instructions.

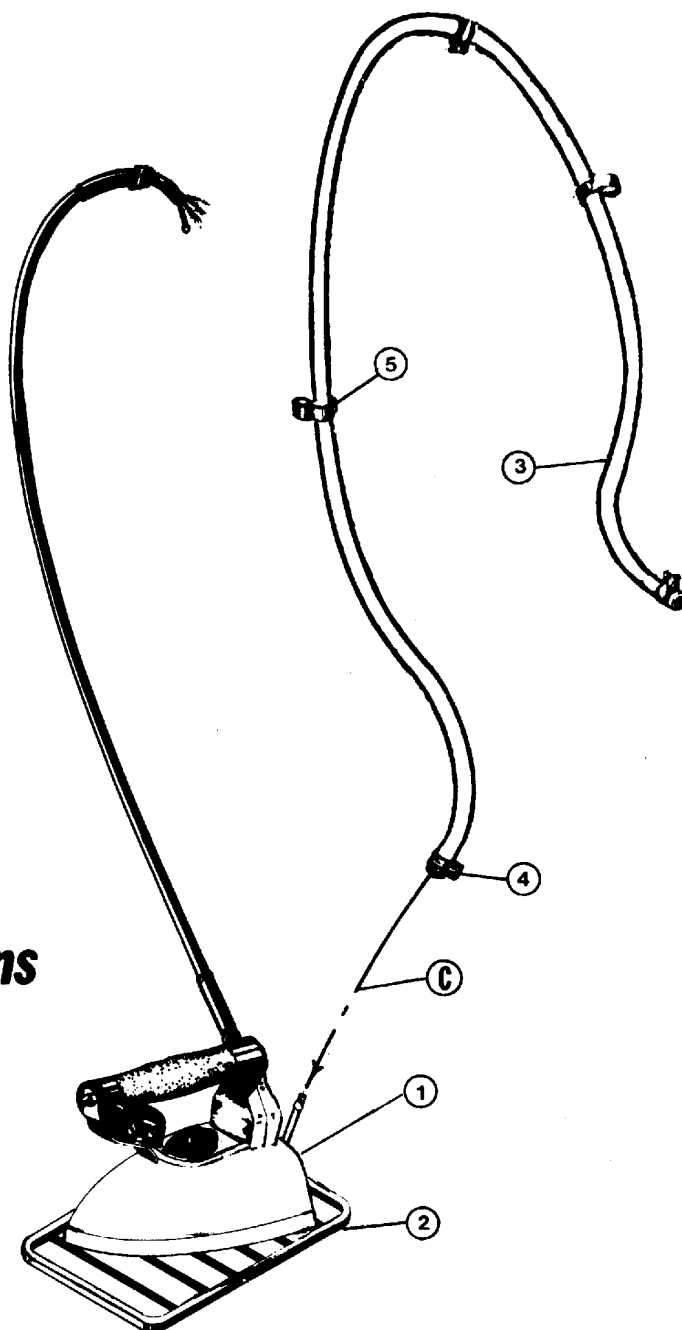
IMPORTANT: A separate steam trap should be used with each machine.

OPERATING INSTRUCTIONS

1. Make certain that steam supply, steam return, and electrical connections have been made per installation instructions.
2. Open steam supply and return valves for the finishing board. If iron lowboy has a separate steam supply and return valves, open them also. Allow finishing board to preheat for at least 15 minutes. (30 minutes preheating time will ensure a hot buck).
3. Turn on the electrical switch for the iron and lowboy, so the iron can be heating also.
4. After preheating, if the board is hooked into a central vacuum system, make certain that it is operating. If the board is provided with steam vacuum, make certain that it is operating.
5. Depress the iron thumb switch and observe the steam flow through the iron lowboy. Open or close the steam valve until desired flow is achieved.
6. Place garment to be finished on the buck. Vacuum or upstream may be applied to the entire buck surface immediately by depressing the appropriate foot pedal. (Although both foot pedals can be depressed together, the vacuum is inoperative when upsteaming is being performed). Iron garment using vacuum and/or upstream as required, until desired garment finish is achieved.
7. The swinging sleeve board (if so equipped) may be used in any position over the buck.

Remove iron (1), iron rest (2) and steam hose (3) from carton.

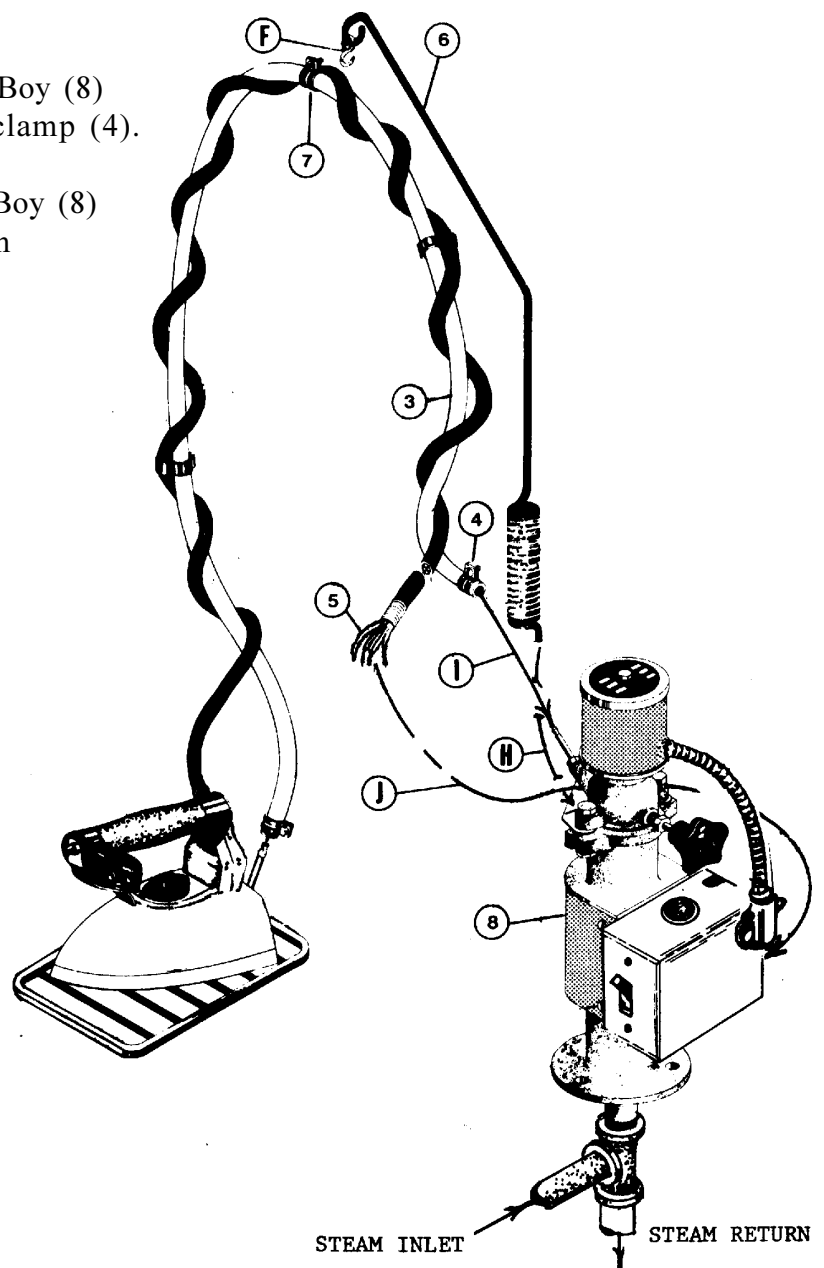
- A. Unwind iron cord which is wrapped around iron handle.
- B. Set iron on iron rest.
- C. Slip steam hose (3) over iron steam tube and tighten hose clamp (4).
- D. Take steam hose (3) in one hand and iron cord in other and wrap iron cord around steam hose at least twelve times. (see illustration on next page).
- E. Press hose cord spring clip (5) around iron cord to help hold cord in position.

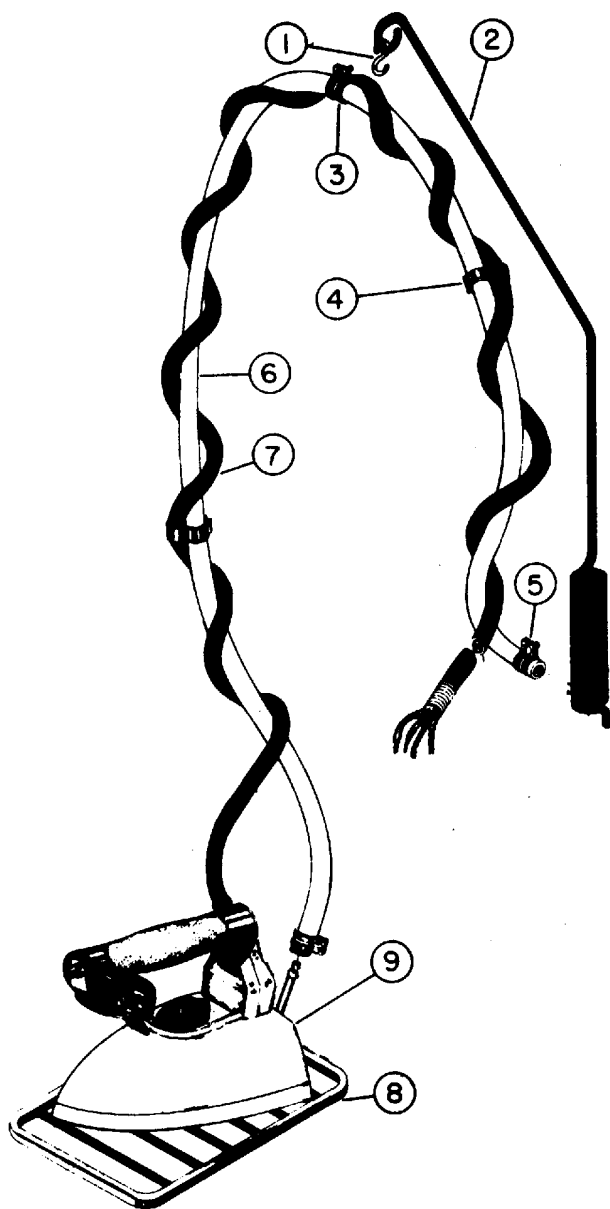


IRON & LOWBOY

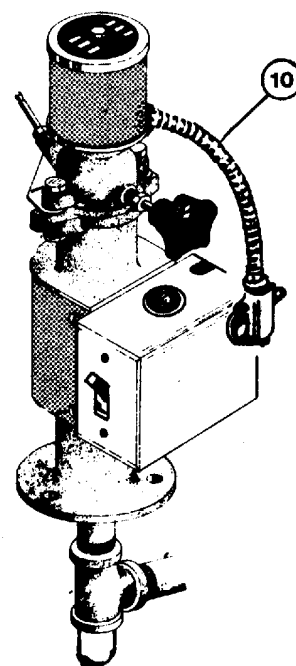
Assembly Instructions

- F. Take support spring (6) and connect S hook to hose support clamp (7) pinch S hook closed.
- G. Connect Low Boy (8) to steam line as illustrated on following page.
- H. Insert support string (6) end into Low Boy (8) support spring plate and tighten square head set blot.
- I. Slip steam hose (3) over Low Boy (8) steam tube and tighten hose clamp (4).
- J. Connect iron cord (5) to Low Boy (8) electrical box as illustrated on following page.





Over-all View Parts



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	J17	S Hook
2	LB7	Support Spring
3	GSB145	Hose Support Clamp
4	J1	Hose Cord Spring Clip (3 required)
5	J42	Hose Clamp (2 required)
6	S05	Steam Hose (5 ft.)
7	K382	Cord Assembly
8	PIU23	Iron Rest
9		Steam Electric Iron (See attached)
10		Low Boy (See attached)

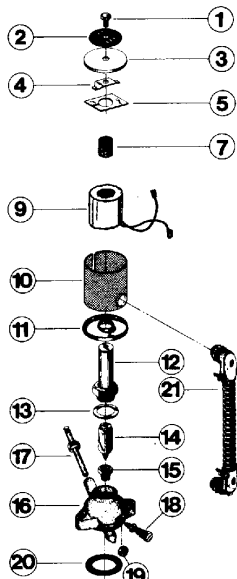


TYPE D LOW BOY ASSEMBLY

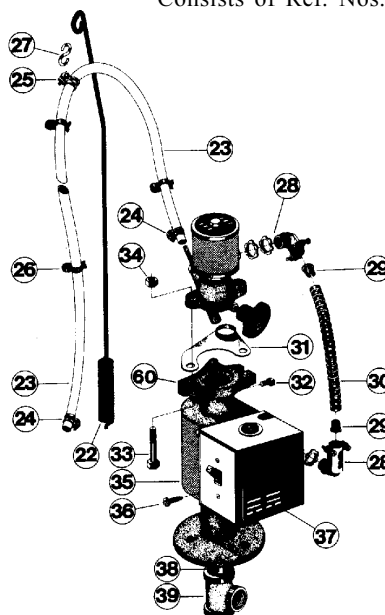
FOR CISSELL STEAM-ELECTRIC IRON WITH ELECTRIC THUMB SWITCH

LB148 Solenoid Lowboy Valve
120V. 50-60 Cy. consists of Ref. No. 1-21

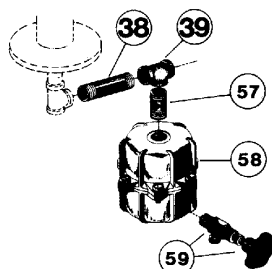
LB149 Solenoid Lowboy Valve
250V. 50-60 Cy. consists of Ref. No. 1-21



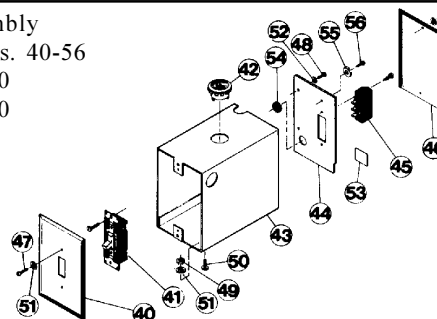
Support Rod and Hose Assembly - LB105
Consists of Ref. Nos. 22-27



For Lowboy & Condenser Ass'y



Electric Box Assembly
Consists of Ref. Nos. 40-56
LB225 - 120V/50/60
LB226 - 240V/50/60



Ref. No.	Part No.	Description			
1	SV80	1/4"-20 Hex Hd. Scw.	22	LB7	Support Rod
2	LB901	Nameplate (120/50-60)	23	S5	5 Ft. Steam Hose
	LB902	Nameplate (240/50-60)	24	GSB145	Hose Clamp
3	LB82	Top Cover	25	GSB145	Hose Clamp
4	SV19	Leaf Spring	26	J1	Spring Clip
5	SV137	Flux Washer	27	J17	"S" Hook
6			28	F876	90° Connector
7	SV54	Tube	29	C170	Cable Bushing
8			30	LB117	Flexible Cable
9	LB231	Solenoid Coil (120/50-60)	31	LB56	Spring Support Plate
	LB232	Solenoid Coil (240/50-60)	32	LB48	1/4" - 20 x 1/2" Set Screw
10	LB116	Shield	33	FB188	5/16" x 2" Hex Hd. Screw
11	LB83	Bottom Cover	34	V56	5/16" - 24" Hex Nut
12	SV22	Plunger Casing Assy.	35	LB13	Chamber Shield
13	SV11	Metal Gasket	36	LB55	No. 14 x 1" Pan Hd. Screw
14	SVA50	Plunger Assy.	37	LB129	Rating Nameplate
15	SV51	Teflon Seat	38	LB20	1/2" x 3" Pipe Nipple
16	LB2	Valve Body	39	SG45	1/2" Pipe Tee
17	LB5	Hose Connection	40	LB30	Switch Cover Plate
18	V73	Valve Stem Assy.	41	LB53	Double Pole Switch
19	V30	Small Pack Ring	42	M102	Amber Light 110V
20	V18	Gasket		M454	Amber Light 220V
21	LB118	Cable Assy.	43	LB221	Box Welded Asm.
			44	LB227	Terminal Mounting Plate
			45	LB222	Terminal Block
			46	LB59	Blank Face Plate
			47	LB166	6-32 x 1/2" O. H. Screw
			48	TU3478	#8-32 x 1/2" S. T. Screw
			49	TU3400	#6-32 Hex Nut
			50	LB291	#6-32 x 3/8" Screw
			51	M270	#6 I. T. Lockwasher
			52	M271	#8 I. T. Lockwasher
			53	LB211	Power Conn. Label
			54	LB213	Strain Relief Bushing
			55	TU7414	Cup Washer
			56	TU8563	Green Ground Screw
			57	TU2714	1/2" Close Nipple
			58	SGC2	Condenser Assy.
			59	SGV1	Valve Assy.
			60	LB1	Chamber
				LB224	Wiring (120, 240 V. 50/60 Cy.) Not Illustrated

INSTALLATION

SET UP: Set unit in position and fasten securely to board. Slip support spring in position and fasten with set screw. Fasten iron rest to board.

IMPORTANT: Before making steam return connections to unit, make steam supply connections. Remove all drain plugs, open steam supply globe valve to steam-flush any borings, grindings or foreign matter that may be clinging within casting or pipes. Close globe valve; replace drain plugs and make steam return connections.

Before attaching steam hose from steam-electric iron to solenoid valve, with steam pressure on unit operate thumb switch several times to remove loose particles of scale or dirt, which may become embedded in valve seat. Then fasten steam hose to solenoid valve.

STEAM SUPPLY: Steam supply connection must fall towards machine (without water packets). Make connection with 12" or more riser out of steam supply line with union and globe valve. (NOTE: If machine is on the end of a line of equipment, then extend steam header line at least four feet beyond machine. Install check valve and trap at end of line. If gravity return omit trap.)

STEAM RETURN: If steam is returned to atmosphere or sewer, make steam return connection with union, globe valve, check valve and trap with drain. If steam is gravity returned to boiler, omit trap, but install check valve in return line near machine. (NOTE: For successful operation of machine, install trap as close to floor and as near machine as possible. Inspect traps carefully for inlet and outlet marks and install according to factory instruction. BLOW SCALE AND DIRT FROM STEAM LINES BEFORE INSTALLING TRAP TO INSURE PROPER OPERATION.)

WIRING: Check Voltage and current of solenoid valve and see that they correspond with power line before making installation. Use irons with properly rated thumb switch.

NOTE: Connect power supply to terminals in electric box as per wiring diagram in accordance with electric code in your area.

FOR THREE PHASE CURRENT: Connect two wires from three phase supply to two Power Connections of outlet box.

IMPORTANT: Connect ground wire as shown and check all wiring before closing switch.

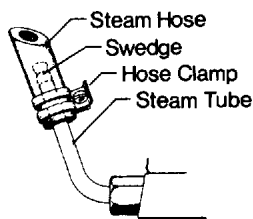
MECHANICAL SPECIFICATIONS

Boiler Horsepower - Approximately 1/8.

Operating Steam Pressure - 5 to 100 lbs.

Steam Supply - 1/2" Pipe Connection.

Steam Return - 1/2" Pipe Connection.



IMPORTANT

Attach Steam Hose to Steam Tube as illustrated. Push Steam Hose down on Steam Tube just far enough beyond swedge to allow Hose clamp connection. Do not push Steam Hose all the way down on Steam Tube as this will cause hose to burn out.

MECHANICAL OPERATION

Place iron on rest. Turn toggle switch on (pilot light indicates when current is on); allow iron to heat, set indicator to Rayon. Open steam supply and steam return valves. A cold iron will throw

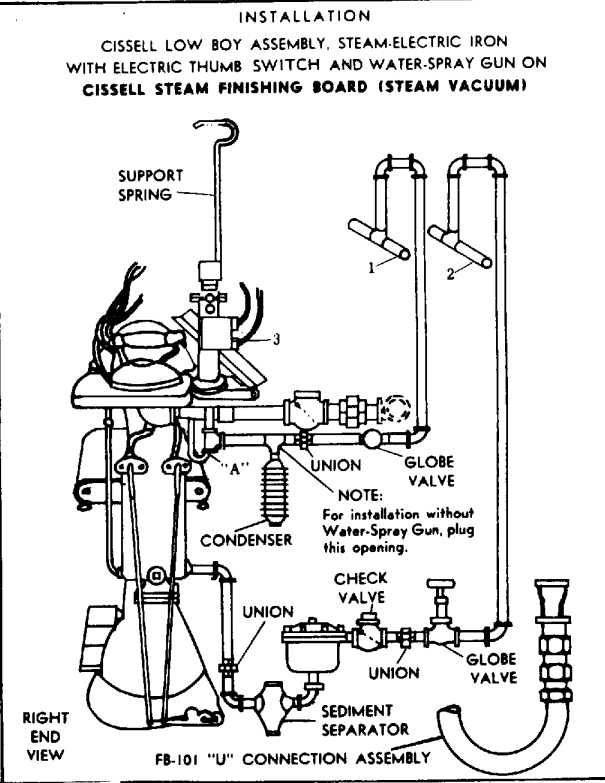
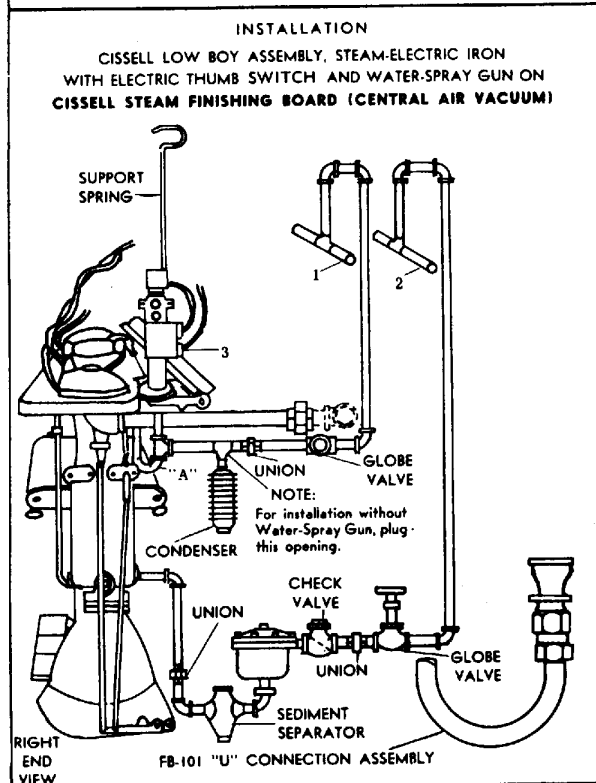
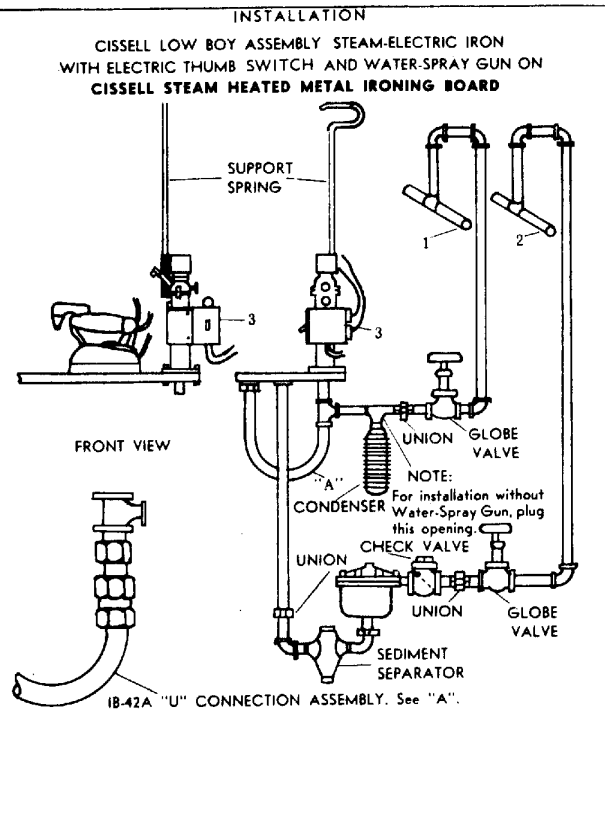
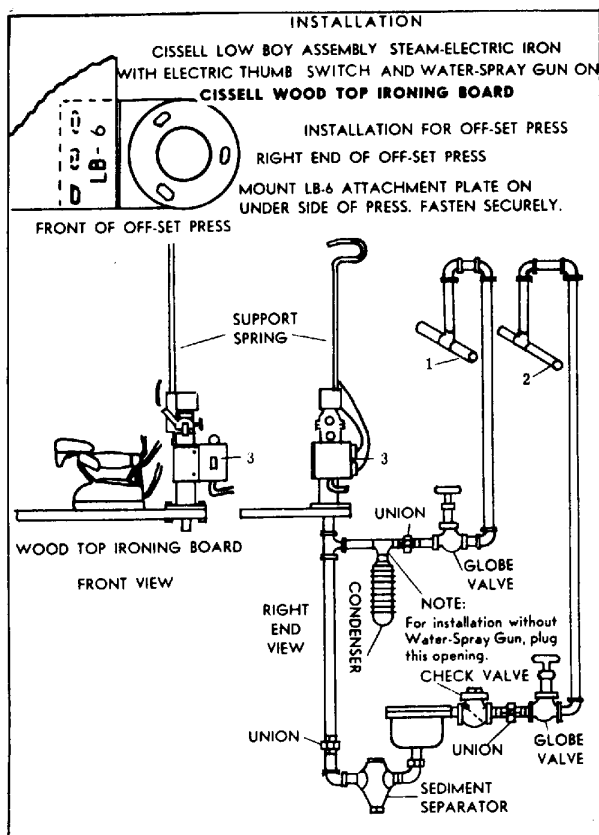
water. Wait until iron becomes hot then push electric thumb switch of iron to allow steam to flow from soleplate of iron. Release thumb switch to stop steam flow. Screw valve knob in for less steam, out for more.

MECHANICAL MAINTENANCE

To replace coil in solenoid valve, remove bolt, cover, leaf spring, insulating washer and coil. Install new coil and replace washer, spring, cover and bolt. Solenoid valve is packless. To replace renewable valve seat or plunger, unscrew large hex nut from lower cast body. Coil of

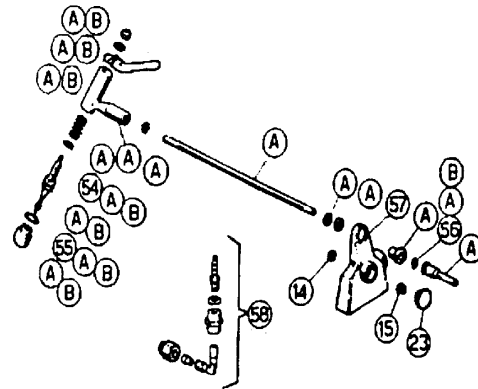
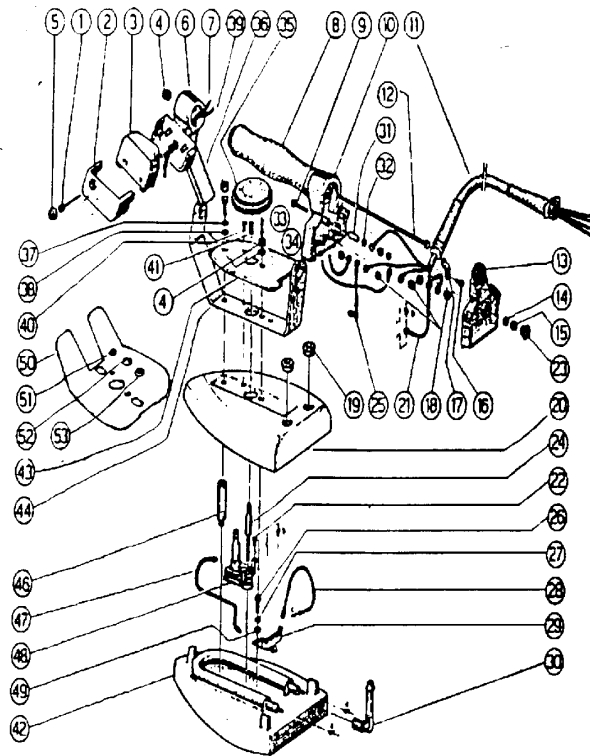
solenoid valve is constructed of heat resisting materials. When ordering new coil, specify voltage and current, giving frequency of power line. Example: 120 Volt, 60 cycle, A.C.

CISSELL LOW BOY ASSEMBLY FOR CISSELL STEAM-ELECTRIC IRON WITH ELECTRIC THUMB SWITCH



TYPE P

Plastic electrical enclosure

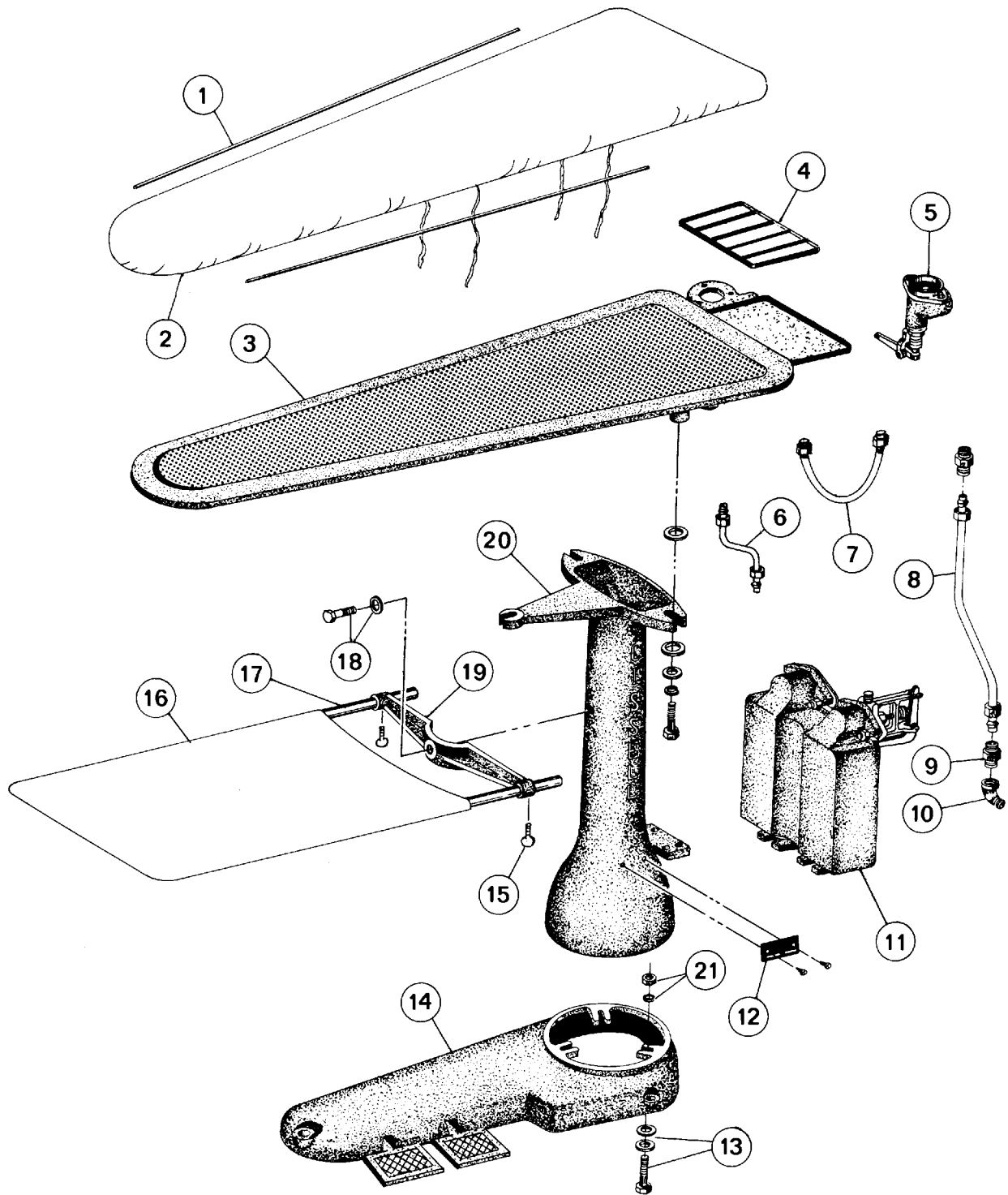


Water Spray Gun

A=Complete water spray gun

B=Rebuild kit for water spray gun

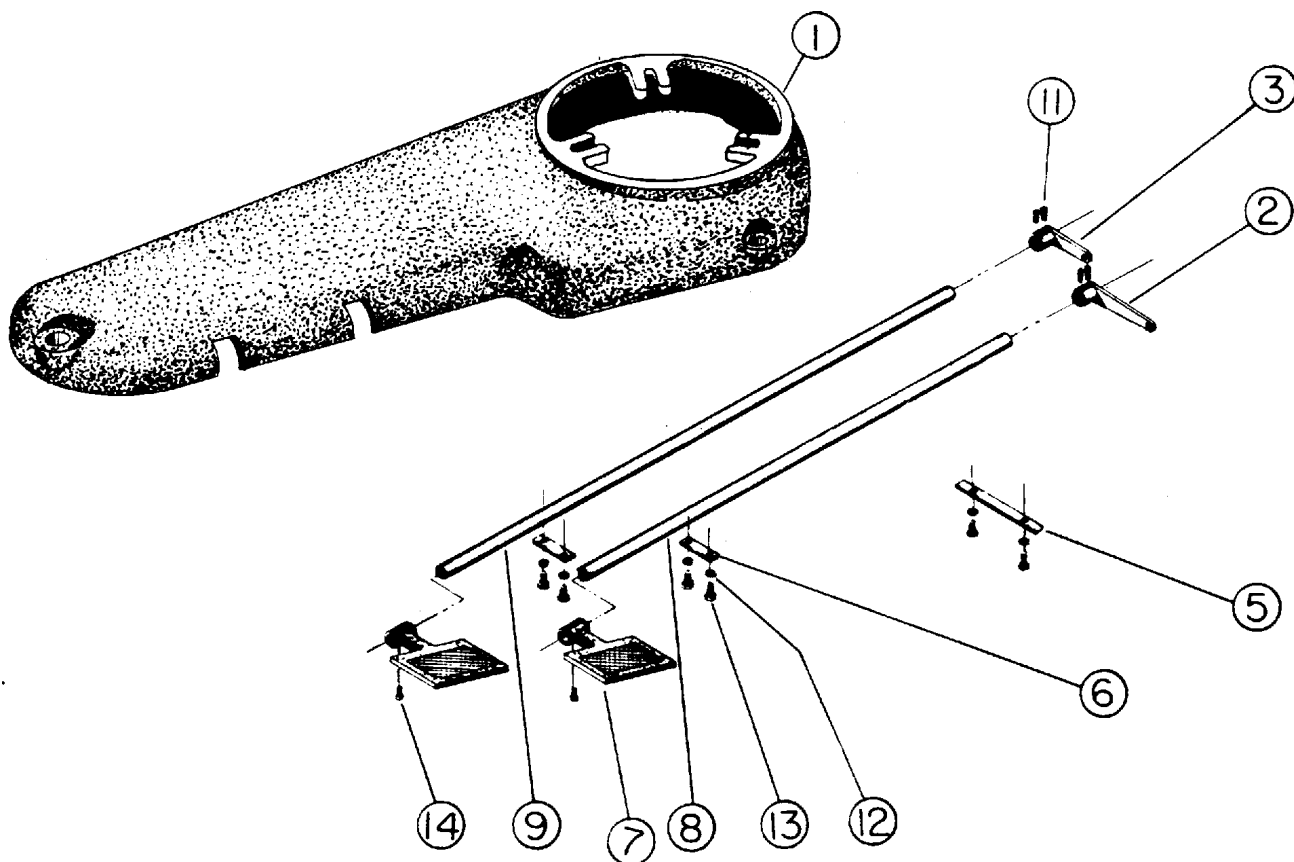
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	XD101	Screw for Thumb Switch (Pkg. of 6)	33	XD193	Click Setting Pin
2	XD102	Thumb Switch Cover	34	XD194	Spring
3	XD103	Thumb Switch	35	XD195	Control Knob
4	XD104	Chrown Nut (Pkg. of 6)	36	XD196	Nut Cap
5	XD182	Cap Nut	37	XD214	Lock Washer, Flat Washer & Cover Screw
6	XD106	Front Handle End	40	XD200	Cover - Screw
7	XD107	Thumb Switch Wires (Set of 2)	41	XD201	Control Knob Clip
8	XD108	Cork Handle	42	XD202	Iron Sole Plate (120V Drycleaner's Drilling)
9	XD109	Screw for Rear Cover (Pkg. of 6)	43	XD203	Instruction Nameplate
10	XD110	Rear Handle End	44	XD204	Handle Support
11	K382	4-Wire Cord Assembly 7' 4"	46	XD205	Tapped & Threaded Bolt
12	XD112	Long Handle Bolt	47	XD206	Thermostat Wire
13	XD113	Rear Cover	48	XD207	Thermostat
14	XD114	Internal Tooth Lock Washer (Pkg. of 6)	49	XD208	Flat Washer
15	XD115	Small Crown Nut (Pkg. of 6)	50	XD212	Heat Shield
16	XD116	Strain Relief Screw (Pkg. of 6)	51	XD209	Washer
17	XD117	Strain Relief Clamp	52	XD210	Washer
18	XD118	Hex Nut (Pkg. of 6)	53	XD211	Washer
19	XD119	Bushing	54	XD157	"O" Ring
20	XD183	Iron Cover	55	XD158	"O" Ring
21	XD121	Thermostat Wire with Sleeve	56	XD148	"O" Ring
22	K456	4-Wire Universal Cord Kit 9' 4"	57	XD146	Rear Cover
23	XD122	Thermostat Screws (Pkg. of 6)	58	XD152	Ell Fitting (for use w/Water Spray Gun)
24	XD151	Cap	A	XD154	Complete Spray Gun
25	XD185	Thermostat Mounting Screw	B	XD156	Rebuilding Kit for Spray Gun
26	XD186	Heater Wire	AP105		Iron Hose Cover
27	XD187	Thermal Fuse Mounting Screw	AP106		Iron Yoke Assembly
28	XD188	Lock Washer	X394		Teflon Iron Shoe
29	XD189	Thermal Fuse Wire	XD171		Front Handle End (All Electric Only)
30	XD190	Thermal Fuse	XD170		Cord Assembly 120V (All Electric Only)
31	XD127	Ell Fitting for Steam Supply	XD170A		Cord Assembly 240V (All Electric Only)
32	XD191	Steel Bushing			
	XD192	Flat Washer			



STEAM FINISHING BOARD - MODEL "A"

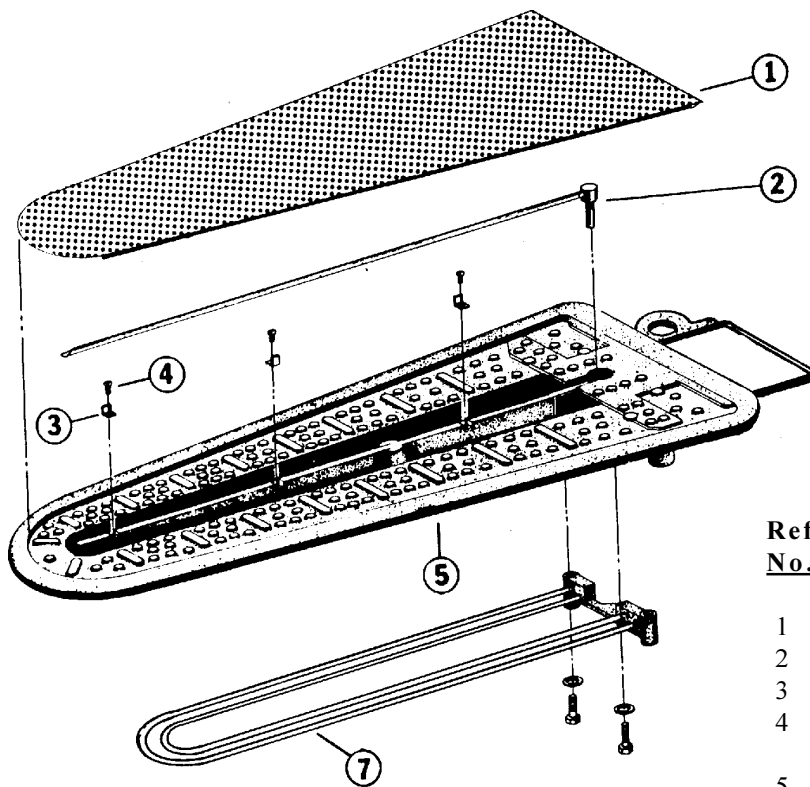
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	FB114	Draw Rods (Set of 2)
2	FB154	Cover & Pad Assembly
3	FB34	Screen Only
	FB87	* Top Assembly w/o Screen
4	PIU23	Iron Rest
5	FB85	* Vacuum Valve
6	FB97	Upstream Tube Assembly
	FB108	Tube Only
	FB145	Bead Only
	P279	Nut Only
7	FB101	"U" Tube Assembly
	FB110	Tube Only
	FB145	Bead Only
	IB1181	Compression Fitting Only
	P279	Nut Only
8	FB72	Return Tube Assembly
	FB109	Return Tube Only
9	P66	Compression Fitting
	P279	Nut - 1/2"
	FB145	Bead - 1/2"
10	OP291	Street Ell - 1/2"
11	FB262	* Chamber Assembly
13	VSB132	3/8 - 24 x 2 1/2 Hex Bolt (Pkg. of 6)
	IB140	3/8 Flat Washer (Pkg. of 6)
14	FB102	* Base Assembly
15	IB10	Thumb Screw
16	SF28	Tray Cover
17	VSB105	Tray Rod
18	FB124	5/16" Hex Hd. Screw (Pkg. of 6)
	TU2814	5/16" Washer (Pkg. of 6)
19	VSB158	Bracket w/Thumb Screw
20	FB5	Column Only
21	VSB135	3/8" - 24 Hex Nut (Pkg. of 6)
	VSB134	3/8" Lockwasher (Pkg. of 6)

*See Separate Page for Exploded View



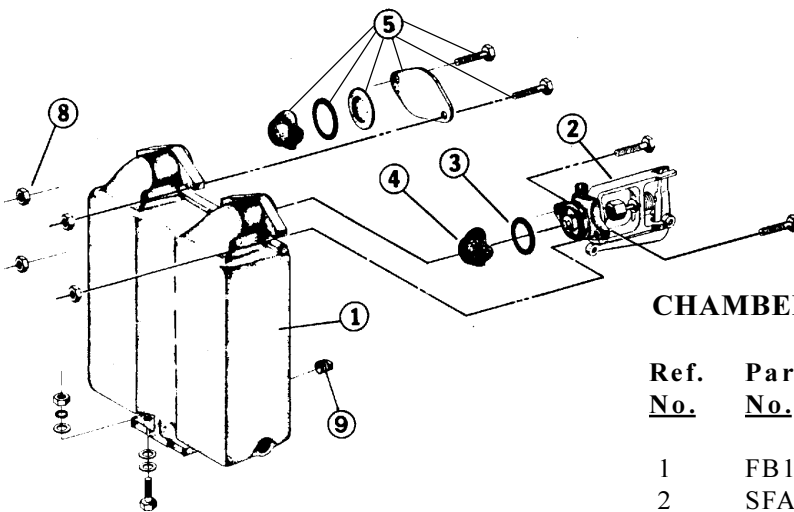
BASE ASSEMBLY - FB102

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	FB1	Base
2	VSB3	Lever - 7"
3	FB3	Lever - 5"
5	VSB79	Strap
6	VSB17	Strap
7	FB2	Pedals
8	FB106	Pedal Rod - 23 3/4"
9	FB107	Pedal Rod - 30 1/4"
11	J21	1/4 - 20 x 3/4" Set Screw (Pkg. of 6)
12	VSB134	3/8 Washer (Pkg. of 6)
13	VSB132	3/8 - 24 x 2 1/2" Set Screw (Pkg. of 6)
14	LB48	1/4 - 20 x 1/2" Set Screw (Pkg. of 6)



TOP ASSEMBLY

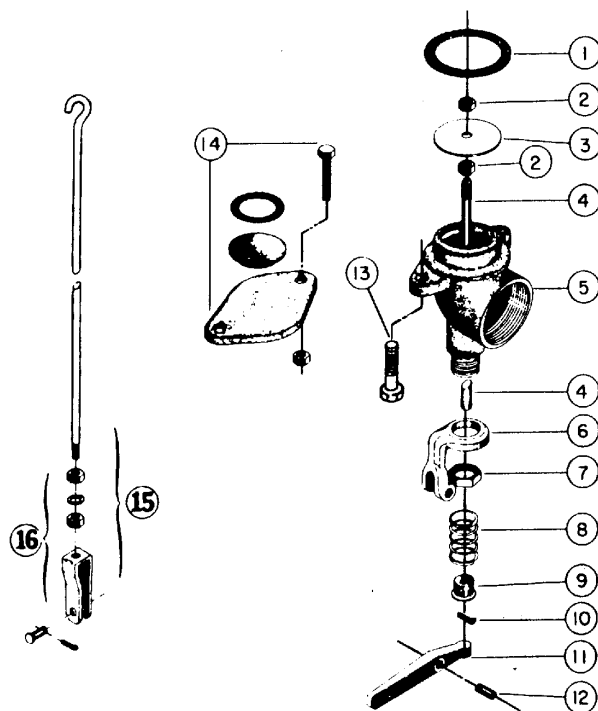
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	FB34	Perforated Top
2	FBA90	Steamer Tube
3	FB118	Clips
4	FB182	#10 - 32 x 3/8" Scw (Pkg. Of 6)
5	FB6	Top
7	FB147	Steam Coil Replacement Kit



CHAMBER & VALVE ASSEMBLY - FB262

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	FB10	Steam Chamber
2	SFA54	Valve Assembly*
3	V18	Gasket (Pkg. Of 6)
4	OP273	Strainer
5	FB38	Dummy Valve Assy.
9	J36	Plug

*See Separate Page for Exploded View



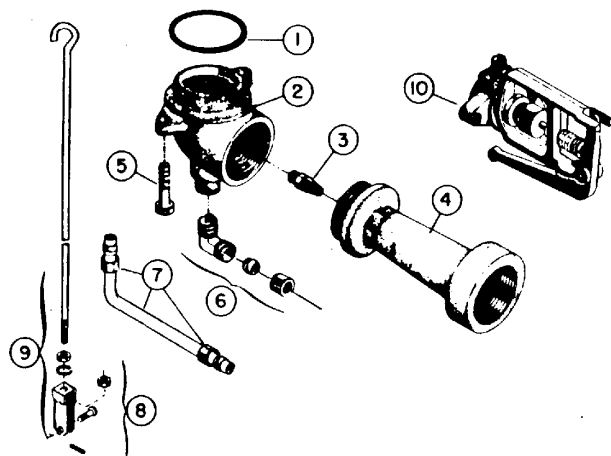
FB85 CENTRAL AIR VALVE COMPLETE

Consists of Ref. Nos. 1-13

FB125 CENTRAL AIR VACUUM VALVE & PARTS

Consists of Ref. Nos. 1-16

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	FB32	Gasket
2	V15	Small Lock Nut (Pkg. Of 6)
3	FB16	Disc
4	V04	Stem
5	FB229	Valve Body
6	SF15	Fork
7	OP547	Large Lock Nut
8	V345	Spring (Pkg. Of 6)
9	V12	Gland
10	V02	Cotter Pin (Pkg. Of 6)
11	FB15	Lever
12	VSB128	Roll Pin (Pkg. Of 6)
13	FB124	Cap Screw 5/16" x 18 x 1 (Pkg. Of 6)
14	FB38	Dummy Valve Asm
15	FB95	Air Pedal Rod w/Yoke Assembly
16	SF49	Yoke Ass'y Only



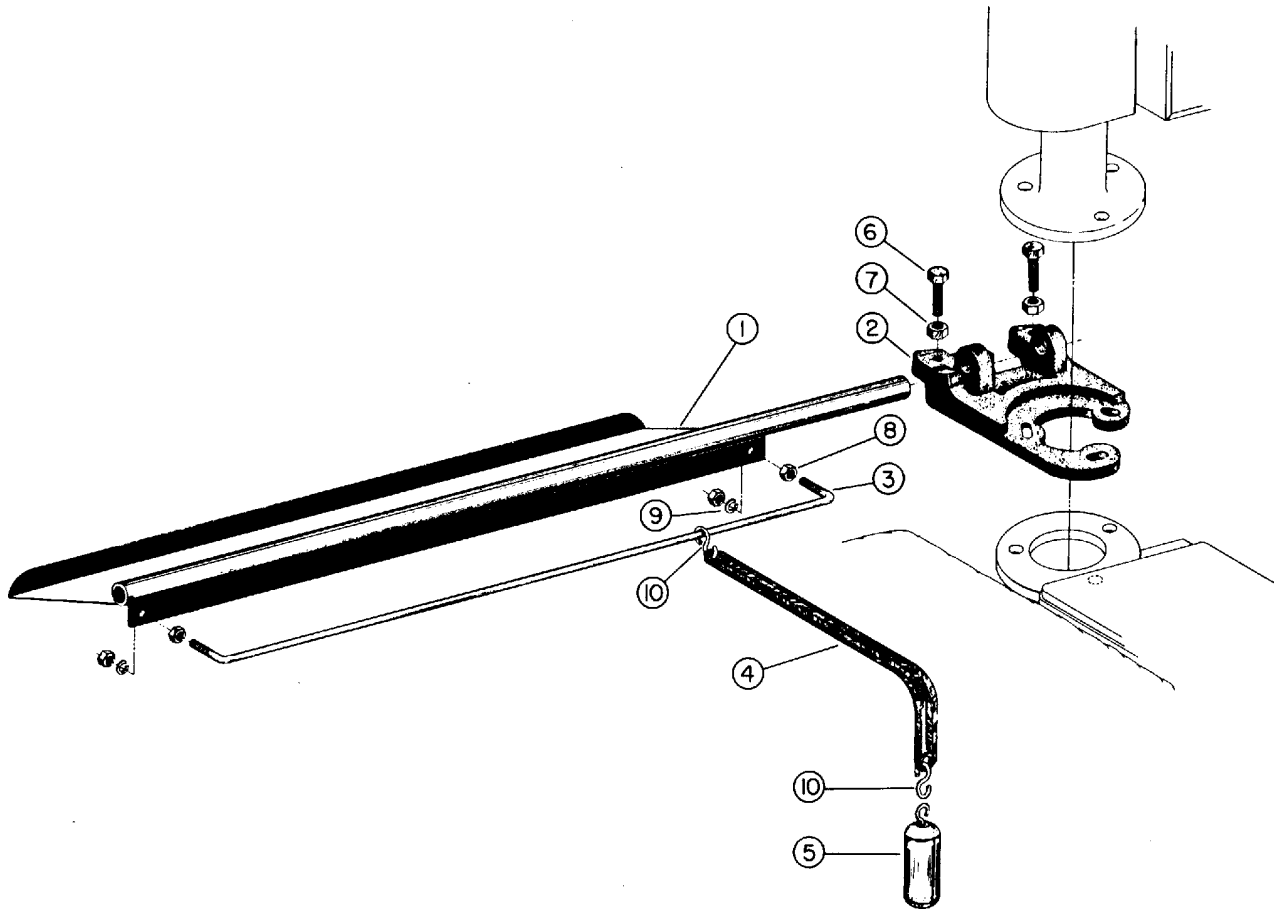
FB80 STEAM VACUUM VALVE

Consists of Ref. Nos. 1-6

FB126 STEAM VACUUM VALVE & PARTS

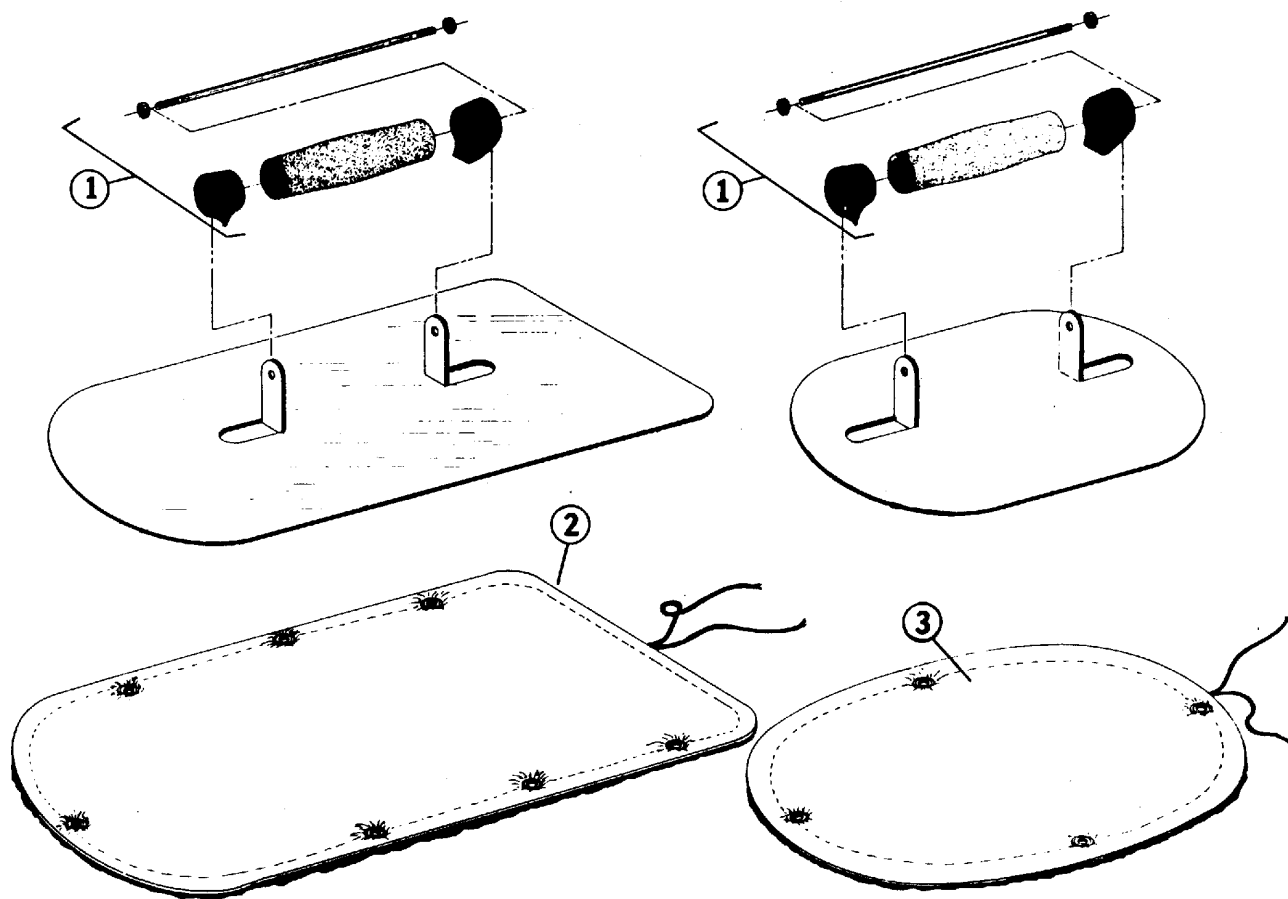
Consists of Ref. Nos. 1-10

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	FB32	Gasket
2	FB9	Valve Body
3	FB12	Orifice
4	FB11	Venturi
5	FB124	Bolt 5/16 - 18 x 1" (Pkg. Of 6)
6	SF46	Elbow, Nut, Bead
7	FB37	Tube, Nuts, Beads
8	SF49	Yoke Asm. Only
9	FB93	Steam Pedal Rod with Yoke Asm.
10	SFA54	Steam Vacuum Valve



Pleat Setter Rack & Parts

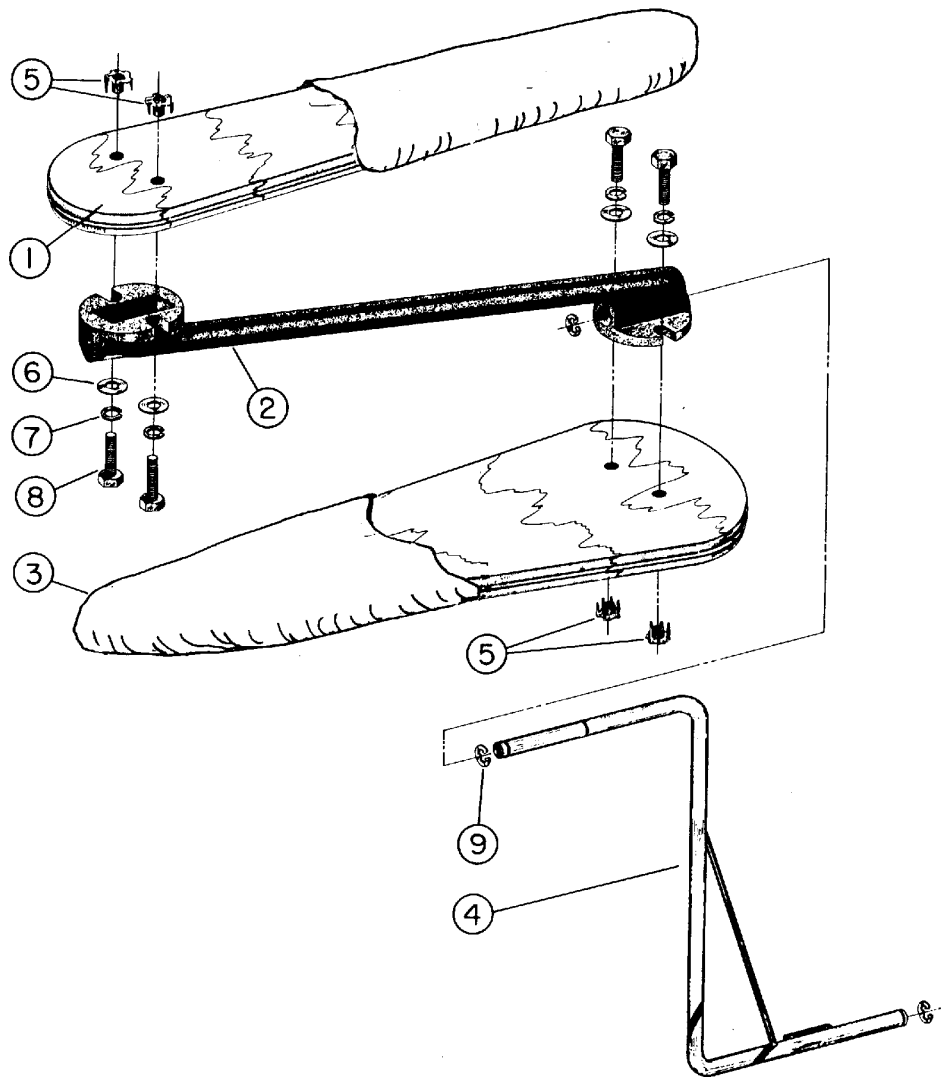
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	FB155	Pleat Setter Rack
2	FB91	Support Casting
3	FB130	Slide Rod
4	FB128	Pleat Tape
5	FB129	Tape Weight
6	FB189	1/4 - 20 x 1" Screw (Pkg. Of 6)
7	TU4935	1/4 - 20 x 7/16" Hex Nut (Pkg. Of 6)
8	IB143	1/4 - 28 x 7/16" Hex Nut (Pkg. Of 6)
9	TU2847	1/4" Cut Washer (Pkg. Of 6)
10	J17	"S" Hook
	FB127	Pleat Tape w/Weight & Rod



FB40 12" Pleat Setter Complete

FB151 18" Pleat Setter Complete

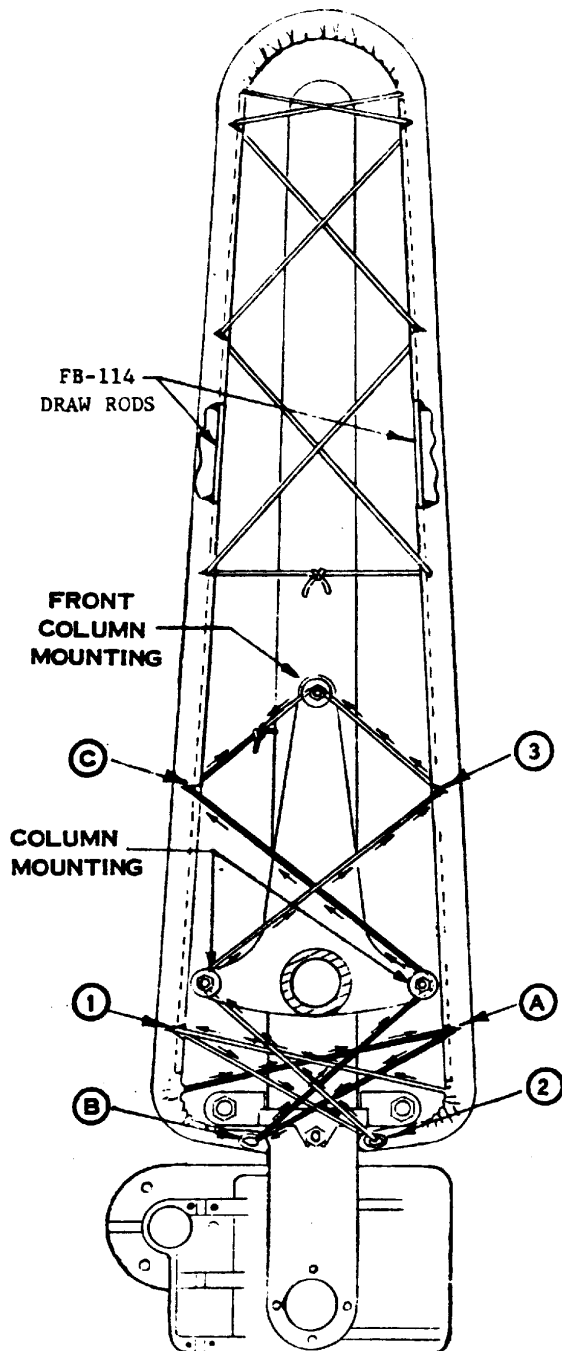
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	FB43	Handle w/Bolt and Nut
2	FB152	Nylon Cover and Pad for 18" Pleat Setter
3	FB41	Nylon Cover and Pad for 12" Pleat Setter



Two-In-One Sleeve Board Parts

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
1	IB94	Sleeve Board (Small)
	IB90	Cover & Pad (Small)
2	IB100	Sleeve Board Arm
3	IB93	Sleeve Board (Large)
	IB88	Cover & Pad (Large)
4	IB119	Swinging Arm
5	IB175	1/4" - 20 Tee Nut (Pkg. Of 6)
6	TU2847	1/4" Cut Washer (Pkg. Of 6)
7	TU2846	1/4" Lockwasher (Pkg. Of 6)
8	FG267	1/4 - 20 x 1 1/4" Hex Screw (Pkg. Of 6)
9	PT211	"E" Ring (Pkg. Of 6)

INSTALLATION OF FB-154 COVER ASSEMBLY FOR CISELL MODEL "A" STEAM-FINISHING BOARD



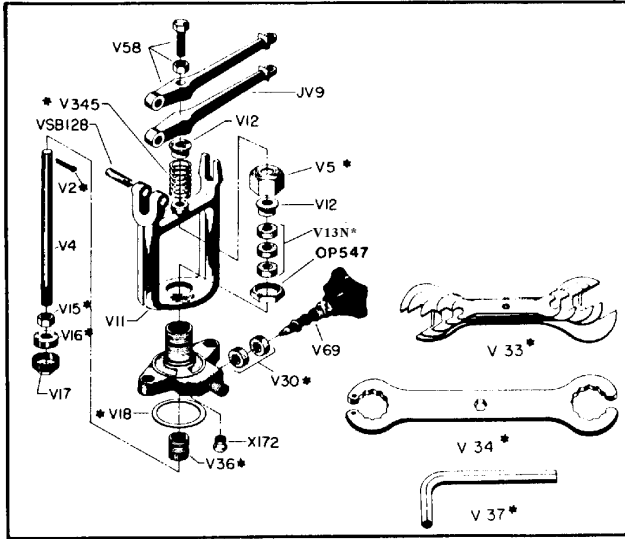
LACING FROM REAR OF CLOTH

1. LAY FB-154 PAD AND COVER ON BOARD.
2. STRAIGHTEN CORD AT FRONT AND REAR OF COVER.
3. INSERT FB-114 DRAW RODS THROUGH SEAMS AS SHOWN.
4. DRAW CORD DOWN AT HEEL OF BOARD.
5. PULL LEFT CORD AT HEEL OF CLOTH ACROSS AND THROUGH SLOT "A" ON RIGHT SIDE OF CLOTH.
6. PULL CORD BACK ACROSS AND UP THROUGH GROMMET "B" ON LEFT REAR OF COVER.
7. BRING CORD FROM "B" UP AND AROUND COLUMN MOUNTING AND THROUGH SLOT "C" ON LEFT SIDE.
8. PULL RIGHT CORD AT HEEL OF CLOTH ACROSS AND THROUGH SLOT "1" ON LEFT SIDE OF CLOTH.
9. PULL CORD BACK ACROSS AND UP THROUGH GROMMET "2" ON RIGHT REAR OF CLOTH.
10. BRING CORD FROM "2" UP AND AROUND COLUMN MOUNTING AND THROUGH SLOT "3" ON RIGHT SIDE.
11. DRAW CORD UP TIGHT AROUND FRONT COLUMN MOUNTING AND TIE SECURELY.

LACING FRONT OF CLOTH

12. PULL TWO CORD TIGHT AT FRONT OF CLOTH AND CRISS-CROSS THROUGH SLOT AND AROUND DRAW ROD ON EACH SIDE AS SHOWN.
13. DRAW CORD TO CENTER BENEATH BOARD TIGHTEN AND TIE SECURELY.

CISSELL HEAD VALVES



OP547 Large Lock Nut
V69 Control Knob
JV9 Lever ("Air" or "Dry")
V11 Fork
V12 Gland
V17 Disc Holder

V58 Lever ("Wet")
VSB128 Roll Pin
V04 Stem
V62 Valve Body (5/32" Orifice)
X172 Core Plug

SKL74 - Valve Service Kit* Plastic box containing these parts & qty. -

V34 12 Point Valve Wrench
V36 Renewable Valve Seat
V13N (12) Large Split Teflon Pack Rings
V18 (4) Gasket
VD5 Large Pack Nut

V345 (3) 45 lb. Spring
V30 (12) Small Teflon Pack Rings
V37 Hexagon Wrench
V35 Stem & Disc Holder

* V 35 Stem & Disc Holder Assembly for all Head Valves except SFC 54 and GFV 77 (Includes V 16 Teflon Disc)

HOW TO SERVICE CISSELL VALVES

LEAK AT LARGE PACK NUT. Tighten large pack nut (Photo 1) but retain free movement of stem. New packing will allow several adjustments before replacement is required. Should packing leak after adjustment, add a V 13 Pack Ring which is split to permit easy installation without removing stem. After use, the old style packing becomes hard and brittle, causing valve stem to bind when pack nut is tightened. Remove hard packing and replace with three new V 13 Split Pack Ring.

LEAK AT SEAM CONTROL KNOB. Tighten small pack nut. If leak continues, remove old packing and replace with two new V 30 pack rings.

VALVE WON'T CUT OFF. Replace old disc if it is cracked or pitted preventing a perfect seat. Replace weak valve spring. If spring and disc are satisfactory, seat in valve body may be damaged or valve stem bent. Defective parts must be replaced to secure proper operation. When major repairs are required, install a Cissell Replacement Valve.

TO REPLACE DISC. Exhaust steam from chamber, then remove valve. Pull cotter pin from Valve stem using end of Cissell V 34 12-point Wrench (Photo 2). Remove disc holder assembly and dis-assemble.

The Cissell Valve Wrench does four important jobs

(Photo 3). Replace old disc with V 16 Teflon Disc and retighten disc lock nut.

WHEN VALVE IS REMOVED FROM CHAMBER always clean old gasket from valve and chamber and replace with new V 18 gasket. When re-installing valve on chamber, tighten bolts equally. If valve does not clamp gasket evenly, steam will escape around gasket. After chamber is heated by steam, re-tighten bolts to prevent blowing of gasket.

LOOSE FORK. Position Fork and tighten large Lock Nut (Photo 4). Tap Fork with hammer to help tighten as wrench tightens large Lock Nut.

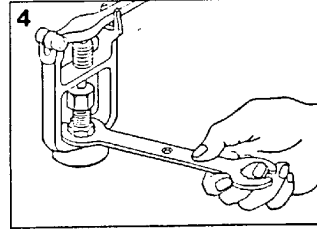
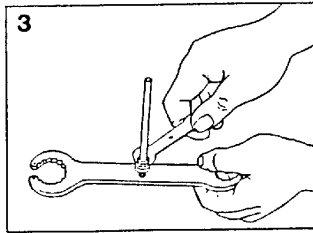
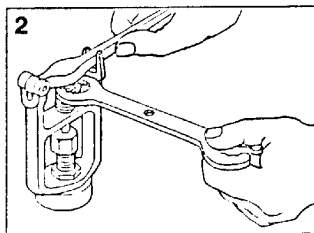
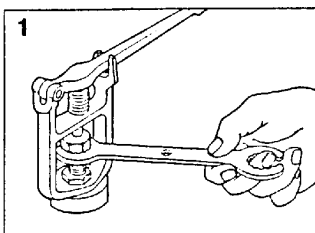
REPLACING VALVES. Blow all loose scale and dirt from within valves before installing; as a small particle of dirt or scale may prevent proper operation of valve, by becoming lodged between seat and disc, or closing off orifice.

The V 13 SPLIT PACKING RING is similar in appearance to parts previously used in Cissell Head Valves; but actually is compounded to give you better and longer performance.

The V 13 SPLIT PACKING RING is now made of a Teflon composition that will not harden.

The V 30 SPLIT PACKING RING is also made of a Teflon composition that will not harden.

This new feature greatly increases the service from your Cissell Head Valves.



TROUBLE - SHOOTING

PROBLEM	CAUSE	REMEDY
(1) No steam	Steam supply valve OFF	Open gate valve in steam supply line.
(2) Steam valve does not operate	Check foot pedal movement	Tighten set screws if no movement.
	Check valve rod movement	Tighten rod yoke if no movement.
(3) Steam leaks continuously through buck	Check foot pedal movement	Pedals hung up, loosen.
	Steam valve loose	Tighten collar nut.
(4) Water drips from buck	Wet steam	Trap is malfunctioning, replace or clean out.
	See Item (3)	
	Steaming too long	Shorten upstream pedal depression.
(5) Wet steam	Trap not operating	Replace or clean out.
	Return line shut off	Open gate valve in return line.
	No risers installed in steam supply and return line	Install risers as specified in installation sheet.
	Heavy condensate in supply header	Install a by-pass trap in supply line prior to board.
(6) <u>NO UPSTEAM</u>	Valve is not operating	Check operation of valve (1).
		Replace valve seat per installation on Head Valve Sheet.
(7) STEAM DOES NOT SHUT OFF AUTOMATICALLY	Valve is not operating	Check operation (2) or (6).
(8) Vacuum does not work	Check foot pedal movement	Tighten set screws if no movement.
	Check valve rod movement	Tighten nose yoke if no movement.
	Check central air vacuum unit	Turn it on if not operating.
	If steam vacuum	Check valve per instruction on Head Valve Sheet.
(9) For iron problems	No steam	Check solenoid operation.
	No electricity	Turn switch on or replace switch.