

# GLUE

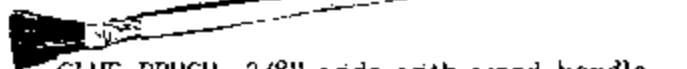


**GROUND ANIMAL GLUE** - A quality grade hide glue for use in hot glue pots. If you don't have a glue pot, put the glue crystals in a wide mouth jar and place in a pan of boiling water or inside a coffee percolator. To prepare glue: barely cover crystals with water; heat until dissolved. Add water occasionally to take care of evaporation.

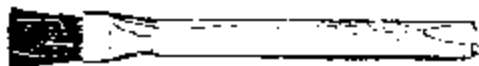
This is the same glue that was originally used for gluing everything on a player action. Still a good glue and certainly can't be easily dispensed with, especially for gluing small pneumatics back on the board, and gluing bellows cloth on the larger units. However, other more modern synthetic glues have their place, although the speed and sureness of "hot" glue setting up, it is hard to beat.

NO. 303	PER 1 LB. SACK	\$6.00
	PER 5 LB. SACK	\$25.00

## GLUE BRUSHES



GLUE BRUSH, 3/8" wide with wood handle 8" long.  
NO. 315 . . . . .75



GLUE BRUSH, 3/4" wide with wood handle 5" long.  
NO. 304 . . . . . \$1.00



GLUE BRUSH, 3/8" wide with metal handle 5 1/2" long. cheap. throw-away  
NO. 305 PER DOZEN PKG. F.A. \$1.41

All glue listed below is water soluble and must be protected from freezing. These items are shipped by priority mail through the Post Office, or otherwise at our discretion, through the winter months. It is more costly in the transportation, but it is the only way that we as the shipper can guarantee that the glue arrives in useable condition. It would be a good idea to stock up before freezing weather in order to save on these extra shipping costs.

**PLASTIC GLUE.** Dries clear and remains plastic. Contains 60% solids. Cannot be loosened with water after drying. Especially recommended for sticking to non-porous surfaces. Also good for sealing metal valve plates that may be removed again.

NO. 320	(8 oz. squeeze bot.)	\$3.85
NO. 2320	(1 gallon)	\$24.00

**PHENOSEAL LIQUID CAULK.** 6 oz. squeeze bottle. A concentrated white opaque liquid for gluing plastic key tops, metal valve plates. Gluing down gaskets and felt strips. Stays soft after drying.

NO. 327 . . . . . **DISCONTINUED**

**TITEBOND glue.** Aliphatic resin. 8 oz. squeeze bottle. This is the standard, fast setting woodworking glue, not suitable for gluing sectional valve blocks, such as Simplex or Amphion--for this application, use only no. 303 "hot" glue.

NO. 171 . . . . . \$3.85

**PHENOSEAL** - For sealing wood. Dries clear and seals the smallest cracks or pin-hole porosity 100% with just one application. Can be brushed or poured and drained. It is strongly recommended that any internal wood surface which faces the vacuum channels in the player action be recoated with this. Phenoseal is slightly plastic and will stretch and contract with humidity conditions without cracking or pulling away, such as the original shellac or varnish sealers. Phenoseal will stick over the original sealer. It remains slightly tacky, so do not coat a surface that a valve will seat on.

NO. 326	(8 oz. squeeze bot.)	\$5.38
NO. 2326	(one quart)	\$17.25

# GLUE



**TWO-PART EPOXY KIT.** Mix equal parts or 2-to-1 for hardness varying from stone-hard to soft. The ultimate glue for holding! Does not shrink, so no clamps are needed. Does not run (having consistency of Vaseline.) Sets up overnight. Amber color. This is for special jobs with wood or metal, particularly where there is a large space to fill in. Much better than "plastic wood" and it can be sanded like wood, but being non-porous, will not absorb stain.

2 oz. jars of both "A" & "B" components  
 NO. 301 . . . . . \$10.00

**PLIOBOND** - 1/2 pt. brush-top can. A CONTACT CEMENT. For use where other glues will not work. Use on metal, rubber, leather, nylon, and plastic piano keys.  
 NO. 313 . . . . . \$8.95



**IVORY CEMENT** - For gluing genuine piano key ivories when they come loose. This is opaque white. Immerse capped bottle in boiling water. This melts the contents. Apply to key while in liquid state. Sets up fast, as soon as it cools. Recap bottle and save for next job. 2 oz.  
 NO. 316 . . . . . \$3.95

**PNEUMATIC HINGE.** 1-1/4" cloth circle with pressure sensitive label coating. 100 per roll.

NO. 685 . . . \$4.85



# POUCHES

**LEATHER POUCH CIRCLES .012" THICK**  
*Punched from stock no. 61 TAN POUCH LEATHER*

stock no.	dia.	each	ea. 10-99	per 100
No. 807	1-1/8"	1.08	.89	74.00
No. 816	1-3/16"	1.18	.93	75.18
No. 808	1-1/4"	1.17	.98	80.89
No. 810	1-3/8"	1.84	1.07	87.69
No. 811	1-7/16"	1.89	1.10	99.09
No. 812	1-1/2"	2.06	1.21	94.62
No. 813	1-5/8"	2.05	1.28	100.80
No. 814	1-3/4"	2.10	1.89	130.20

Any valve which has a top ring seat that plugs over the top of the valve will can utilize this easy way to set uniform valve travel. The shim is placed over the new valve, then the cover washer is placed on top of this. A bead of No. 330 Plastic Glue is drawn around the edge of the valve seat. When it is dry, the shim is "fished" out, leaving the desired spacing. For example, if the replacement leather is thicker than the original, the glue makes up the difference by allowing the top seat to stand away more than if it were replaced without the benefit of the standard .007" spacing.



This will work on the following makes of valves: Anson, Culbransen, Simplex and Wurlitzer. (See pg. 100.)

No. 2402 7/8" dia. x .036" \$2.25

**PERMA-GUM** - This is a handy item to have around the shop. How many times have you wanted to seal something temporarily and fussed around with masking tape? Perma-Gum is similar to modeling clay. It can be separated into smaller balls and back together as many times as you wish. Slap it over the open nipples of a pump to test tightness. Many uses. Helps keep your hands free for more important things. Packaged in 1/2 pound lumps.



NO. 1710 . . . . . \$4.15

**DISPOSABLE POLY GLOVES.** 5 pr. per pkg. Easier than trying to wash off paint, glue, epoxy, etc. from your hands. Keep a few on hand for when piano restoration will occasionally turn dirty.

NO. 526 . . . . . pkg. . . . . \$1.00

# PNEUMATIC COVERING JIGS

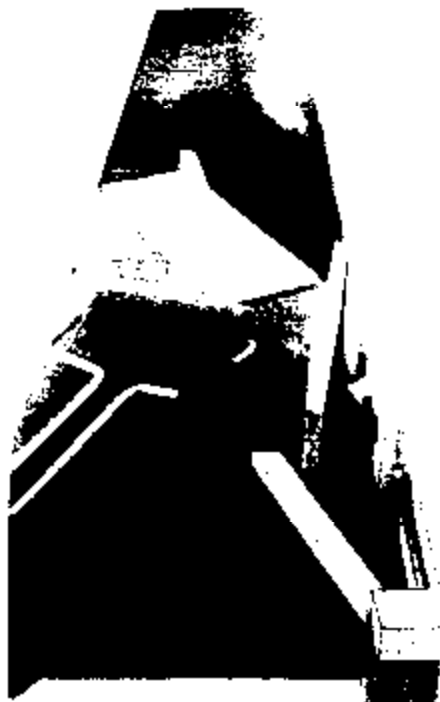
## PNEUMATIC COVERING JIGS

There may look a lot of expensive jigs for a man with some experience. The direct method is the simplest and the most accurate. It is the only one that will do a job. If you have a jig that is not a factory product, you can make it. If you object to using cold glue, then you want the No. 476, which is designed to use any kind of glue. For one with no previous experience or skill at spreading glue evenly on the thin edge of a pneumatic board, the No. 170 jig certainly is a method that's foolproof.

**ROLLER METHOD** Includes everything needed for one set of pneumatics.  
**NO. 170** Pneumatic jig kit \$58.00

List of contents - No. 170

STOCK NO.	QTY.	DESCRIPTION	PRICE
No. 171	8oz.	Titebond glue	\$3.85
No. 174	1	Roller & handle	1.85
No. 175	4	Extra rollers	2.62
No. 176	1	Pressing block	2.52
No. 320	8oz.	Plastic glue	3.85
No. 50	1/2yd.	Pneumatic cloth	30.69
		Basic jig	(20.17)
<b>NO. 170</b>		<b>TOTAL</b>	<b>\$65.35</b>

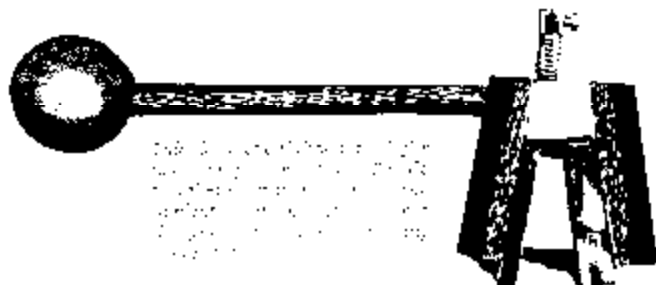


**T-SQUARE METHOD PNEUMATIC CVR. JIG**  
 After cloth strips are torn and laid in a neat pile, this jig is placed on top. Pneumatic feet are glued and are swung into place so they are squared and will have identical spacing. (Adjustable from 5/8" to 1-3/8") As your palm presses down on the hinge end, extra strips of cloth underneath act as a cushion to overcome the beveling effect of the spread pneumatic sticks. Jig simply slips out and is only needed for this first operation.

NO. 476 . . . . . \$25.00

**SCHULZ POUCH-PNEUMATIC** covering jig. After insertion, neither pneumatic boards or cloth is touched with fingers until ejected from the jig. This is accomplished by twisting the internal wedge 90 degrees. It then, only requires hinge lap-over and banding. A clamp is provided with jig to pull material tight while drying a few seconds before coming out of jig. This assures a perfect recovering job; uniform and straight, with no loops on corners.

NO. 1670 . . . . . \$44.50

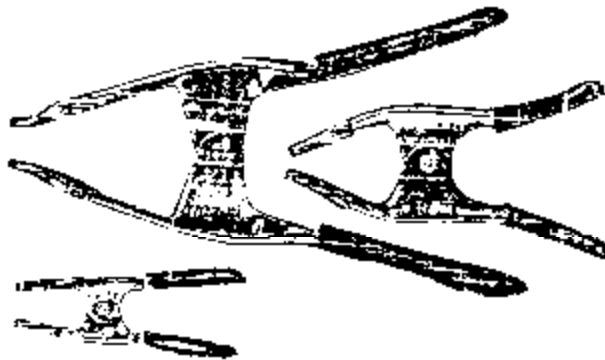


# TOOLS

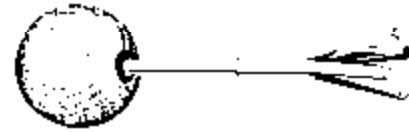


**VALVE GAPPING TOOL.** Sets valve travel at maximum efficiency .035" May be inserted and withdrawn through 7/16" or larger diameter.

NO. 1474 . . . . . \$5.50

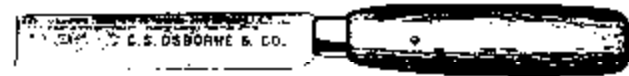


JIFFI SPRING CLAMPS			6 or more
stock no.	opening	each	price ea.
No. 481	1"	1.00	.70
No. 484	2"	1.50	1.05
No. 477	3"	7.50	-----



**LEATHER NUT INSTALLER.** Tapered for all sizes. Round hardwood "grabber" is easy on the palm.

NO. 1394 . . . . . \$20.00



**FELT KNIFE.** If you need to be convinced that you need this handy knife, you should see them - laying all over the place at Player Piano Co! They are the most reached for tool; used for just about everything a knife can be used for, and occasionally to cut felt. This tool is more indispensable than a screwdriver (they have been used for a screwdriver when one can't be found).

NO. 471 . . . . . \$6.50

-Also for cutting tool, see scalpel on page 103-



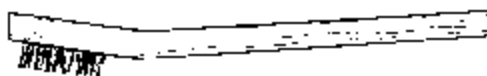
**PARING TOOL.** 7" long, with insert for Schick razor blade in curved tip, which allows cutting from center outwards, depending upon pressure. USES: for skiving leather, to splice, feathering edges of two pieces to be joined by contact cement, tapering the two opposing surfaces to maintain the same thickness throughout overlap. Paring off felt on tip of piano hammers to level off string grooves (much faster than sanding). Remove lacquer surface on flap valves for gluing on wooden spring stick. For shaving off ragged or unevenly trimmed pneumatic cloth missed by scissors. For beveling edges of new cardboard ribs placed inside pump bellows; feathering corner patches. For scalloping out hinge end of new pneumatic boards or removing sharp edges of glue on old. For trimming paper on piano rolls next to core. For cleaning old glue or burrs on wooden valve stems. For trimming glue line of new sharps on key coverings. For trimming bushing cloth at end of hole after cutting new cloth. For skimming off mounds on gasket material around screwholes so gaskets can be pulled tighter with screws. Also handy for sharpening pencils, trimming moustaches, etc.

NO. 498 . . . . . \$7.80



**TRACKER BAR TUBE PULLER.** Pulls old or new tubing from nipples or can be used to assist in cleaning them. For 5/32" nipples.

NO. 472 . . . . . \$5.00

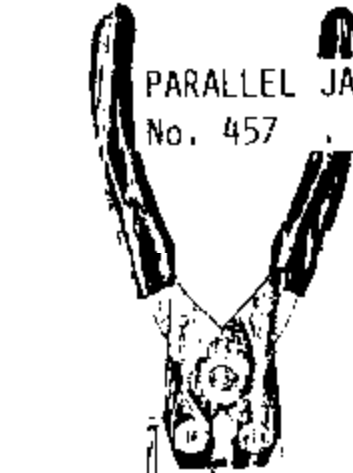


**BRASS WIRE BRUSH.** .008" bristles. 8" handle. Useful for certain places when using varnish remover, cleaning organ reeds or teeth in gears.

NO. 308 . . . . . \$2.25

# TOOLS

PARALLEL JAW PLIERS, 6"  
No. 457 , DISCONTINUED



THERE IS NO SUBSTITUTE FOR  
THIS VITAL TOOL IN PLAYER WORK.

1. For removing pneumatic fingers, as mentioned on p.54, "Player Piano Serv. & Repair." (Be sure to remove bead of glue on sides of finger, so pliers can go all the way to pneumatic board. With a firm grip and downward pressure, the finger will snap off without splintering.)

2. For removing force-fit collars on wire valve stems. Threaded end is clamped in vise (jaws lined with wood to prevent thread damage.) The thin edge of retaining collar is grasped and spun with alternate wrist action as you pull inward you. Other types of pliers will slip off the edge because of the tapered or uneven slant of jaws.

3. To remove the spline in disassembling some spool box transmissions. This piece is like a small staple pushed into two holes in the shaft, which allows the pinion to shift sideways and still retain its drive engagement.

4. For pulling straight nipples out of wood. (up to 1/2") Parallel action jaws have equal bearing on entire length of nipple and will not dent or flatten.

5. For straightening flange of metal valve plates.

6. For removing old rotten leather nuts from threaded wire. When nose of pliers are against thread, the compression of jaws will bite leather into both halves fall away from thread. Turns on hour job into a ten minute job.

7. When corner of single edge razor blade gets dull, a small sliver on side can be snapped off, restoring sharpness. Economize on prolonged use of blades.

8. For inserting or making pneumatic hinge springs from piano wire. First, right angle is bent. Then shift jaws 90 degrees to grasp foot of spring at vertex edge of jaws for perfect control of a sharp right angle bend. Also for pulling flap valve springs and staples, or reinserting.

9. After pneumatic boards are rehinged, but before cloth covering begins, the hinge can receive a hard crease by simply compacting the boards between the parallel action jaws.

10. When a piano key sets up too high and you can't get it down by pounding center of wood key to compact felt, try retrieving the center rail felt punching and squeeze it between the parallel jaws. Guaranteed to permanently compress it uniformly flat.

11. For getting the last drop out of a tube of "Super Blue".

12. When the head of a slotted wood screw breaks into, this tool grips the remaining half and the broken screw head can easily be turned out.

13. For tightening or removing Amphion valve block clamp posts.

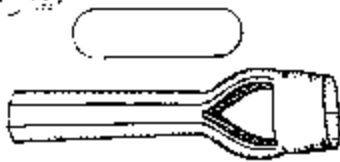
14. For tightening or loosening hex head nuts when you don't have the right size wrench handy. Won't chew up edge of nut.

15. For removing curved connecting wires between pneumatic flanges of stack pneumatics and flanged push levers on many actions that do not use threaded puppet wires. Avoid the danger of breaking out the narrow section of wood around bushing cloth. Since parallel jaw pliers grip the crook of the wire firmly enough that you aren't prying against the fragile wooden piece, it can also handle situations where the wire does not slip out freely, due to rust or a humidity swollen bushing hole.

16. For changing angle of tracking cams.

17. Installing "O" ring end taps on rolls: If you will come immediately behind the straight side of the hook and mash the dampened bookcloth between the jaws of parallel pliers, you will get a positive bond all the way to the hook.

# PUNCHES



**OBLONG PUNCH**  
Punches slot 7/8" wide x 1/4"  
NO. 230 \$58.89

**TUBE PUNCHES**  
stock no. size price ea.

NO. 181	1/16"	\$6.33
NO. 184	1/8"	\$6.72
NO. 185	9/64"	\$6.72
NO. 186	5/32"	\$6.72
NO. 189	13/64"	\$7.50
NO. 191	1/4"	\$7.50
NO. 194	5/16"	DISCONTINUED

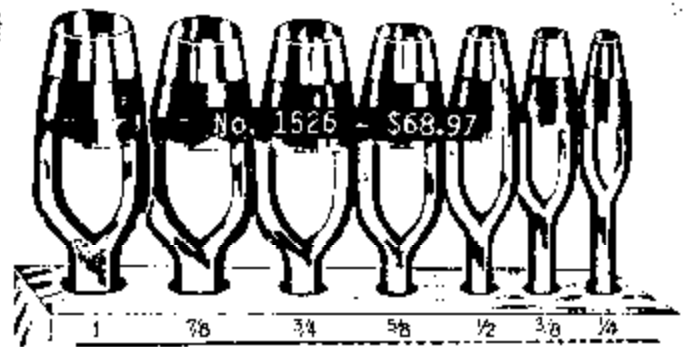
**MINI-PUNCH SET, 7-pc.**  
A handle and punch tip screws together. This is a much better way to build a punch than the straight tube punches above. Since the screw side of the Mini-Punch is bored larger than the cutting tip, the punchings do not plug up in this end, but instead are pushed easily through. Six sizes: 5/64", 3/32", 7/64", 1/8", 5/32", and 3/16"  
NO. 1478 . . . \$24.81



**MAXI-PUNCH SET, 7-pc.**  
Same as Mini-Punch set above, except larger punch sizes: 3/16", 13/64", 7/32", 1/4", 17/64", and 5/16"  
NO. 1578 . . . \$27.57

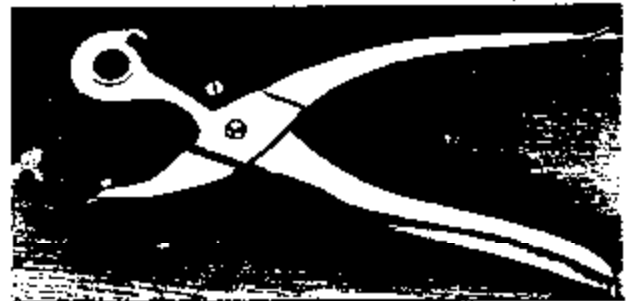
**SET OF ADCO ARCH PUNCHES.** Set of 7 sizes shown at right in wooden holder. 1/4", 3/8", 1/2", 5/8", 3/4", and 1".

NO. 1526 . . . \$115.86



## INDIVIDUAL ADCO ARCH PUNCHES

Stock No.	Size	Price
NO. 1500	1/8"	\$11.16
NO. 1501	3/16"	\$11.16
NO. 1502	1/4"	\$11.16
NO. 1503	5/16"	\$11.16
NO. 1504	3/8"	\$11.87
NO. 1505	7/16"	\$11.87
NO. 1506	1/2"	\$13.28
NO. 1507	9/16"	\$14.69
NO. 1508	5/8"	\$14.69
NO. 1509	11/16"	\$15.28
NO. 1510	3/4"	\$18.33
NO. 1511	13/16"	\$18.33
NO. 1512	7/8"	\$18.33
NO. 1513	15/16"	\$19.98
NO. 1514	1"	\$19.98
NO. 1515	1-1/16"	\$25.85
NO. 1516	1-1/8"	\$25.85
NO. 1517	1-3/16"	\$28.79
NO. 1518	1-1/4"	\$28.79
NO. 1519	1-5/16"	\$31.96
NO. 1520	1-3/8"	\$33.61
NO. 1521	1-7/16"	\$45.24
NO. 1522	1-1/2"	\$45.24
NO. 1523	1-5/8"	\$52.88
NO. 1524	1-3/4"	\$60.51
NO. 1525	1-7/8"	\$69.91



**REVOLVING TUBE PUNCH.** Punches five sizes: 5/64", 3/32", 7/64", 1/8", 5/32", and 3/16"

NO. 232 . . . \$8.97

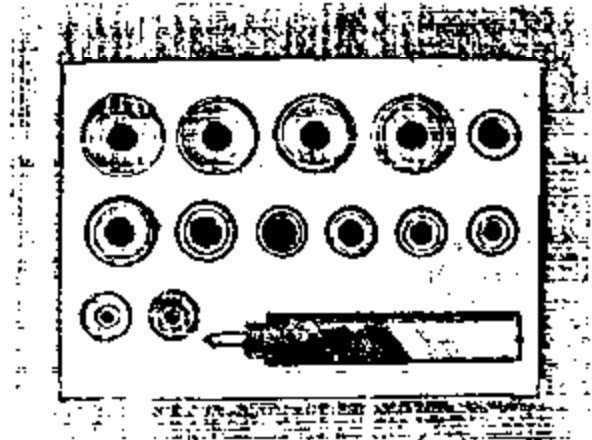
# PUNCHES

## SELF-CENTERING PUNCH SET

Spring-loaded center pin both ejects and makes a dent which can be seen on the leather to guide a smaller punch, allowing exact centering. The spring loaded plunger can be removed and replaced with a sawed-down tube punch (see stock nos. 181 to 191) and you can make valve washers in one operation,

SET OF THIRTEEN: 1-1/2", 1-3/8", 1 1/2", 1-1/8", 1", 7/8", 3/4", 5/8", 1/2", 7/16", 3/8", 5/16", and 1/4".

NO. 1257 . . . . . \$38.25

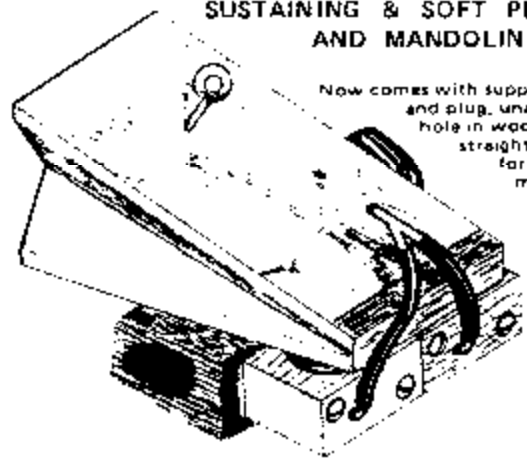


## REROLL PNEUMATIC

Size 4-3/8" x 7" x 2". With two valves and 3/4" supply elbow, this pneumatic unit has enough power to respond rapidly with power to spare. Normally there is space on inside of piano case to the right of pneumatic motor to mount vertically. String may be attached to eye hook for pulling transmission lever to change gears to rewind. Or if push is required, a No. 911 finger can be placed over hinge end to reverse to a push, and use a connecting wire such as a straightened clothes hanger.

For automatic operation of the SUSTAINING or "LOUD" PEDAL, install this pneumatic horizontally in a space between the harp and the iron pedal rod which runs to the wooden stick on the left side of the piano. Attach a No. 911 pneumatic finger so about half its length juts out past the pneumatic's hinge end. Place the pneumatic in position on the floor of the piano with the finger spindled between the iron pedal lever and the end of the wooden dowel while the pneumatic is open (bending the finger to attain this position). Press the pedal by foot to check leverage position and take up slack in pneumatic stop-screw. If the pneumatic must close too far, reposition the finger to overhang further. The opening and closing of the attached pneumatic in no way interferes with operation by foot. If there is not quite 4-1/4" between the iron pedal rod and the harp, the wooden rod bracket may be moved slightly forward.

MULTI-PURPOSE PNEUMATIC: REWIND, SUSTAINING & SOFT PEDALS, AND MANDOLIN RAIL.



Now comes with supply elbow and plug, unattached, hole in wood drilled straight through for optional mounting

NO. 916 . . . . . \$69.95