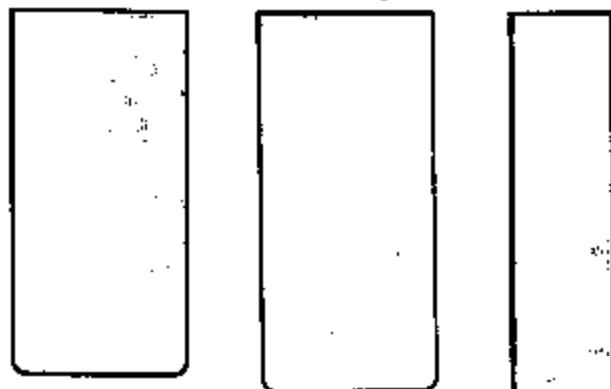


PIANO SUPPLIES

KEYBOARD

WHITE KEY FRONTS.
One inch squares of white plastic, .030" thick. Set of 52. These are glued and filed to size before applying tops (No. 421). Glue with contact cement (No. 313)
No. 430 . . . set **DISCONTINUED**



SIMULATED IVORIES in plastic. Same thickness as genuine ivories (.045), and same shades in marbelized grain. Available in white and yellowed, to blend with new or aged ivories. Opaque; will not show wood grain beneath. Can be applied with No. 313 Pliobond contact cement. Will not warp.

WHITE

No. 1240, Front 1-7/8" x 7/8" . . . each \$ ⁶⁹
No. 1242, Front 1-15/16" x 7/8" each \$ ⁶⁹
No. 1244, Tail 3-15/16" x 1/2" . . . each \$ ⁶⁹

YELLOWED

No. 1243, Front 1-15/16" x 7/8" each \$ ⁶⁹
No. 1245, Tail 3-15/16" x 1/2" each \$ ⁶⁹

PIANO TUNING PINS, 2 1/2" LONG. Various diameters from .286" to .306". Send a sample of old, and next size larger will be sent

No. 1659 . . . EACH 50¢



ZITHER or HARPSICHOORD TUNING PINS.
(Illustrated actual size.) Nickel plated.

No. 1660 . . . 1 - 99 each \$.35
per 100 \$27.00

PIANO CASE

BRASS KNOB, 5/8"

No. 1299 each \$.85



WOODEN KNOBS

(Height indicated is exclusive of attached screw)

LARGE KNOB for fallboard, 11/16". 1-3, each \$.48
No. 1307 four or more, each \$.39

MEDIUM KNOB for fallboard, 1/2". 1-3, each \$.48
No. 1308 four or more, each \$.39

SM. KNOB for spoolbox panels, 7/16". 1-3, each \$.48
No. 1309 four or more, each \$.39

BLACK RUBBER BUTTONS



For 5/16" hole, with 7/16" dome.

No. 856 10-99, each \$.11
per 100 \$8.63

For 7/16" hole, with 9/16" dome.

No. 857 10-99 ea. \$.14
per 100 \$11.56

For 3/16" hole, with 7/16" dome.

No. 858 10-99, each .12
per 100 \$10.00



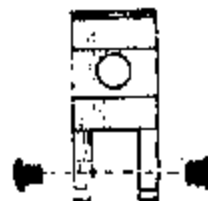
RUBBER-HEAD TACKS

Stock No.	Size	10-99 ea.	Per 100
No. 852	3/8"	\$.10	\$8.63
No. 853	1/2"	.11	\$10.00
No. 854	5/8"	.15	\$12.00

SELF ADHESIVE, black rubber button, 7/16" dia., 3/16" high dome.

No. 1684 10-99, each \$.14
per 100 \$ 10.00

TEFLON BUSHINGS. To replace worn out bushing cloth in piano action flanges. A pair of these cost less than a new flange, but they will take heavy use before having any wear, and will never be affected by humidity conditions that cause sluggish action. Just drill out old cloth and press in. .050" center hole. .137" body

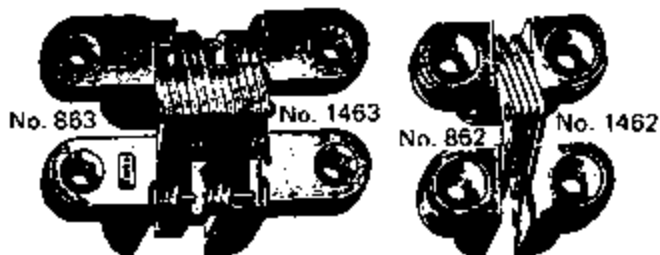
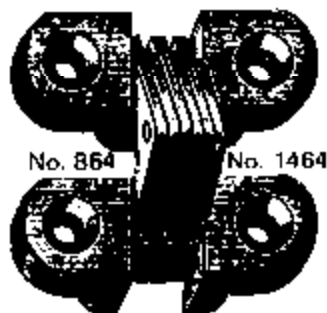


No. 1399 . . . **DISCONTINUED**

PIANO SUPPLIES - CASE

SOSS INVISIBLE HINGES. Many players hinge the lever control cover board with three or four of these hinges. (In front, below keys.) Screws included with new hinge. Measure mortised slot in wood for size. Now available in two finishes: Cadmium (silver) and dull brass.

- No. 862 Cadmium 3/8" x 1" each \$10.00
- No. 863 Cadmium 3/8" x 1-11/16" each \$13.57
- No. 864 Cadmium 1/2" x 1-1/2" each \$11.94
- No. 866 Cadmium 1/2" x 1-3/4" **DISCONTINUED**
- No. 1462 Brass 3/8" x 1" each \$ 9.83
- No. 1463 Brass 3/8" x 1-11/16" each \$14.21
- No. 1464 Brass 1/2" x 1-1/2" each \$11.94
- No. 1465 brass 1 1/4"x3/8"..... each \$ 8.00



--See page 103 for continuous strip hinge--

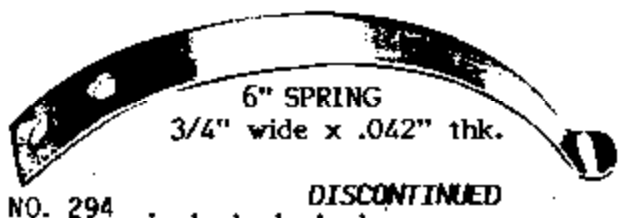
Stock No	Size	Length	
1466	No. 4	3/8"	
1467	No. 4	1/2"	
1468	No. 4	5/8"	
1469	No. 4	3/4"	
1470	No. 4	1"	
1471	No. 6	3/4"	

WOODSCREWS FOR HINGES. Threaded all the way to head. Oval head slotted. Brass plated.

PRICE FOR ALL SIZES.per dozen \$.75

BRASS SCREW BUSHINGS

- No. 1136 for No. 4 screws per 100
- No. 1137 for No. 6 screws per 100 **all sizes discontinued**
- No. 1138 for No. 8 screws per 100
- No. 1139 for No. 10 screws per 100



KEY.

- No. 1392. Triangle end. ... ea. \$ 1.47
- No. 1393. Square end. **DISC.**

No. 1461 Knife hinge, pair
(for front panel-to tilt out for sheet music.) **\$14.46**



SET OF PEDALS

for standard brass round caps. Right pedal is 7" from brass cap to center of rod hole; left pedal is 5 1/2" from cap to rod center. Middle or dummy pedal is 11 1/2" overall with pivot pin in center.



- No. 1440 set of all three **\$100.00**
- No. 1441 Right & Left w/o middle, pr. **\$ 67.00**



BOTTOM BOARD SPRING CLIP. Attach to underside of piano keybed.

- No. 290 each \$1.25



TRAP SPRING

for holding up sustaining and soft pedals.

- No. 295, 3 1/4" ea. \$1.25
- No. 296, 4 1/4" ea. \$1.25

PIANO SUPPLIES - ACTION

CAST IRON PIANO CASTER. Exactly the same as used on most old upright players. With four screw holes in the flange. Hub is 15/16" dia. Wheel dia. is 1-3/4". Distance from top of flange to bottom of wheel is 2-11/16".

NO. 860 ea. \$9.25



Piano wire coiler for tuning pin.
No. 1373 \$24.94

FLANGE for standard caster. Hub is 15/16" O.D. x 7/16" I.D. Made of aluminum.

No. 867 **DISCONTINUED**

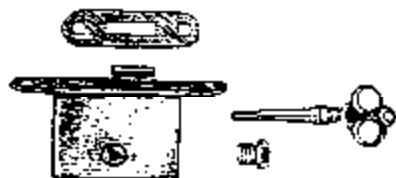


KIMBALL DAMPER FLANGE. This goes on the piano action. A spring wire is attached to a brass flange. The old brass quite often cracks with age, requiring replacement of this part.

No. 1143 ea. \$2.52

BRASS BILLINGS FLANGE. This is used in place of the wood flange (No. 1331) on the Billings hammer butt.

No. 1689 ea. \$.76



Standard piano lock for triangle key. Nickel plated. Set includes lock, strike plate, escutcheon, and key.

No. 1395 . . . set \$11.00

Action bracket bolt knob.

NO. 1333 \$.75
3 or more, each . . \$.65



RUBBER BOLT CAP. 1/4" I.D.

NO. 855 1-9 ea. \$.25
10 or more, ea. \$.12



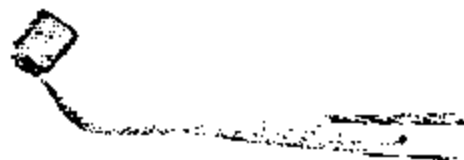
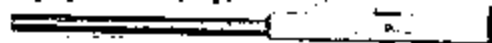
STOCK NO.	SIZE	DIA.	FT. PER COIL
1350	12	.029	111
1351	12-1/2	.030	104
1352	13	.031	96
1353	13-1/2	.032	92
1354	14	.033	83
1355	14-1/2	.034	75
1356	15	.035	74
1357	15-1/2	.036	72
1358	16	.037	69
1359	16-1/2	.038	65
1360	17	.039	62
1361	17-1/2	.040	59



PIANO WIRE sizes 12 to 17 1/2. (American Standard Music Wire Gauge.).
Per 1/3 lb. coil, ea. \$11.30

ADJUSTABLE STICKER. For upright piano action repair. This is the part which rests on the back of piano key. Since the length of these parts vary, the dowel can be glued to proper length by telescoping.

NO. 1349 \$5.00



CORK BRIDLE STRAPS for piano action. (set of 88). This simply plugs into the hole that the original one went through. The old one is usually rotten and will tear near the glued starting point.

NO. 897 **SMALL** for 13/64" hole \$16.80.
NO. 898 **MEDIUM** for 15/64" hole \$16.80
NO. 899 **LARGE** for 17/64" hole \$16.80

PIANO SUPPLIES - ACTION

No. 1432

HAMMER RETURN SPRINGS
 NO. 1332 for full size upright
 NO. 1432 for modern console
 12-99 each **.13**
 per 100 **\$10.00**



DAMPER FLANGE with spring. (Requires No. 1341 burnishing tool to fit bushing felt to proper size for pin).
 NO. 1330 ea. **.84¢**

REGULATING SCREW.
 .093" x 1-1/8".
 NO. 1436 10-99, ea. **\$.12**
 per 100 **\$9.00**



REGULATING BUTTON, 11/32" O.D. x 3/16" thick. Hardwood. Pkg. of 100
[Also see No. 346 Plastic]
 NO. 1435 **\$7.75**



NO. 1376 Flange screw, #7x11/16"
 per box of 100, **\$3.66**

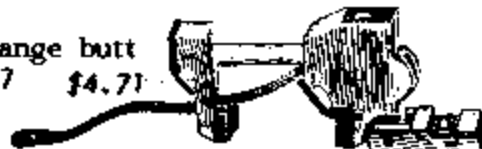


Pratt, Readtype BUTT & WHIPPEN FLANGE
 No. 1331 1-99 ea. **\$1.21**
 100 or more, ea. **\$1.00**

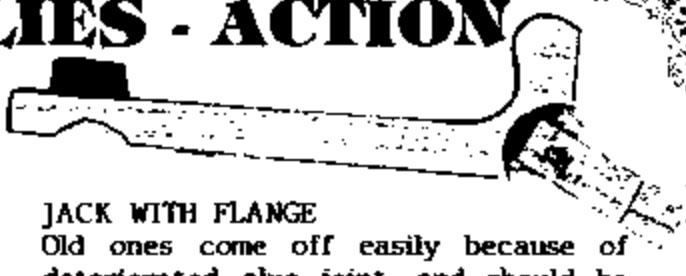
BRASS BUTT PLATES, with screws.
 NO. 1342 1-9 each **\$.48**
 10 or more each **\$.35**



Wood flange butt
 NO. 1337 **\$4.71**



SPRING CLIP BRIDLE STRAPS.
 88 Vinylite tip. To insert, simply press clip over butt stop shank. For use on type without the normal hole to plug cork bridle strap into.
 NO. 1188 per set **\$20.00**



JACK WITH FLANGE
 Old ones come off easily because of deteriorated glue joint, and should be broken off and reglued anyway. Might as well replace with new and eliminate worn bushings.
 NO. 1374 **\$1.60**

JACK SPRINGS, 1"
 NO. 1334 12-99 ea. **.08**
 per 100 **\$6.90**



UPRIGHT TREBLE DAMPER SET
 40 - 3/8" wide x 1-3/16".
 NO. 1688 **\$36.67**



INDIVIDUAL DAMPERS
 (from broken set of No. 1688, single spares).
 NO. 1489 **\$1.00**



UPRIGHT BASS DAMPER WEDGES

Set of 30, 1-3/8" long. Set consists of 10 pieces for single strings (left illustration) and 20 pieces for double strings.

NO. 1325 per set **\$27.57**
 NO. 1493 spare singles, ea. **1.00**
 NO. 1495 spare doubles, ea. **1.00**

Set of 30, 1-3/4" long. Set consists of 10 pieces for single strings and 20 pieces for double strings (right illustration).

NO. 1326 per set **\$30.50**
 NO. 1494 spare singles, ea. **1.10**
 NO. 1496 spare doubles, ea. **1.10**

TRICHORD DAMPERS
 NO. 1327 1-3/8" long, ea **\$1.10**
 NO. 1328 1-3/4" long, ea **\$1.22**

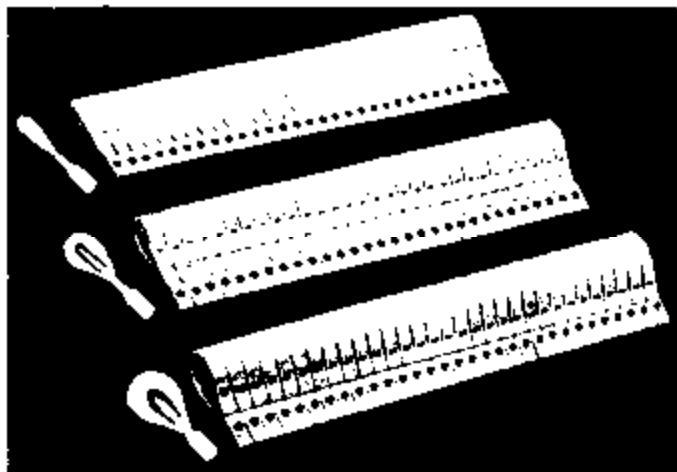


PIANO SUPPLIES - FELTS



MAPLE HAMMER SHANKS, 7/32" x 5-1/4"
 NO. 1318 . . . 10-99 each . . . 13¢
 per 100 . \$10.70

UPRIGHT HAMMER HEADS. All standard bore. That is, tenor section is at an angle opposite the angle of the bass section. To fit 7/32" dia. hammer shanks above. (For individual, broken set hammers see No. 1380).



COMPLETE SET of 94. Six spares to account for differences in rail break angle change. 31 bass hammers angle-bored 2-1/4" from shank to striking point; all others 2-1/2". Largest bass hammer is 1-3/8" at fattest point.

NO. 1311 . . . \$287.20

INDIVIDUAL HAMMER REPLACEMENTS. (For uprights only). Trace around hammer size you need and send tracing with your order.

NO. 1380 . . . \$5.25

WOVEN FELT. 1" x 52" x 1/8" thick. Used on bottom of piano action abstract, where key capstan screw makes contact. Used in full strips on some player actions. (Color is white.)
 NO. 1339 . . . \$9.50



HAMMER RAIL CLOTH.
 1-1/4" x 54" long.
 NO. 1336 . . \$8.73

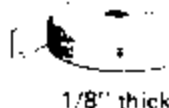


MUFFLER FELT. 2" x 54". Soft white felt, 1/16" thick.
 NO. 886 \$1.17



RED spring rail felt. 13/16" x 52" x 1/8" thk.
 NO. 1321 . . . \$3.80

GREEN spring rail felt. 13/16" x 52" x 1/8" thk.
 NO. 1320 . . . \$3.80



1/8" thick

GENUINE BUCKSKIN 7/16" wide for butts To reduce to 3/8" wide for butt-check, stretch strip before cutting into small pieces. 1/16" thick.
 NO. 1335 per ft. \$1.50



BACK CHECK FELT, 3/8" x 1-1/8" x .275" thick.
 NO. 1323 Maroon -DISCONTINUED

NO. 1324 Green, traditional firm, pressed felt. 1-87, ea. .24¢
 88-on, ea. . . .20¢

RED NAMEBOARD FELT. 5/8" wide x 52" long. .070" thick. Goes on fall-board above keys.

NO. 869 1-9 each \$.83
 Roll of ten strips \$5.00



FIRM RED FELT. .080" thick, 3/4" wide x 52" long.

NO. 1439 . . \$1.25

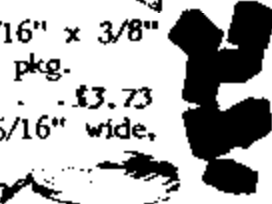


BUTT FELT SQUARES. 5/16" x 3/8" x 7/32" thick. 100 per pkg.

NO. 1319 . . . \$3.73

BUTT FELT STRIP. Red. 5/16" wide, 1/4" thick x 52" long.

NO. 1322 . . . \$5.00



PIANO SUPPLIES - FELTS

FELT WASHERS & PUNCHINGS

stock no.	color	I.D.	O.D.	thick	price per 100
NO. 1685	white	none	1/4"	1/8"	\$3.50
NO. 874	green	3/32"	5/16"	1/32"	\$3.45
NO. 873		3/32"	3/8"	1/16"	\$3.50
NO. 872	red	1/8"	3/8"	5/64"	\$11.50
NO. 875	red	3/32"	3/8"	3/32"	\$3.50
NO. 876	brown /none	3/8"	1/8"		\$8.20
NO. 1838	brown/none	7/16"	3/32"		\$7.66
NO. 877	green	3/32"	1/2"	1/8"	DISC.
NO. 871	maroon	11/16"	3/32"	1/16"	\$3.45
NO. 879	red	1/2"	7/8"	1/8"	\$10.00

Butt spring punchings. Red Nylon suede cloth punchings. 11/32" dia. x .050 thick. To ease friction and wear.

No. 1590..... **DISCONTINUED**

ADHESIVE BACKED FELT STRIPS, 1/8" thick. Dark brown. Sold by running foot.

Stock No.	Width	Price
NO. 1001	1/4"	\$1.89
NO. 1002	3/8"	\$1.69
NO. 1003	1/2"	\$1.83

ADHESIVE BACKED FELT-DOTS 1/8" thick. Dark brown. Per 100.

NO. 1010	1/4"	\$3.93
NO. 1011	3/8"	\$4.83

ADHESIVE BACKED FELT-DOTS 1/16" thick. Dark green. Per 100.

NO. 1020	1/4"	\$2.53
NO. 1021	3/8"	\$3.32

BULK FELT




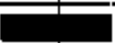

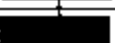




SCARLET FELT, 1/8" thick, 6" x 54". Soft.
No. 792..... each \$17.25

GREEN FELT, 1/8" thick, 6" x 54". Soft. Pool-table green.
No. 793..... each \$17.25

RED FELT, 3/16" thick, 6" x 72". Medium
No. 794..... each \$35.64

1/2" THICK GRAY MUFFLER FELT. 8" wide. Sold by the running inch. (min. ord. 10")
No. 795..... **DISCONTINUED**

KEYBOARD FELTS

Center Rail	Front Rail	Back Rail
white woven felt 1/2" x 1/8" I.D. x thickness below	green woven felt 3/4" x 5/32" I.D. x thickness below	green woven felt, 1-1/2" x 52" long x thickness below
 No. 1446	No. 1442	 No. 1450
 No. 1447	No. 1443	 No. 1451
 No. 436	No. 435	 No. 437
 No. 1448	No. 1444	 No. 1452
 No. 1449	No. 1445	 No. 1453
Pkg. of 100 . \$8.50	Pkg. of 100 . \$12.35	Per strip, ea. \$9.95

PAPER PUNCHINGS
FOR KEYBOARD
200 per pkg.
To level & 3/8" dip

CENTER RAIL, 1/2"
O.D. x .010" thick.
NO. 1236 PKG. \$.95



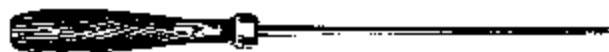
FRONT RAIL, 7/8"
O.D. x .027" thick.
NO. 1235 PKG. \$.95

PIANO SUPPLIES - TUNERS' TOOLS



THIN RED BUSHING CLOTH. Strip 3" x 18" This is the special woven felt found in player action bushings — around control wire slides; poppet wire guide rail; motor crank-shaft, etc. Determine width of strip needed for a particular hole by cutting a strip of paper and making a long tapered point on the end, crease center and start drawing the point through hole to be bushed. By trial and error, you can keep trimming off width until the edges meet themselves when you pull past taper. Then use this width as a pattern to make a starting cut with knife or scissors on the bushing cloth, lengthwise, and tear. Do not cut; it needs the ragged edges to mesh properly when the edges meet inside the hole. Cut taper and apply glue to bushing cloth and pull through hole. When glue is dry, a razor blade will slice off excess neatly. If it is too tight a fit, the hole can be enlarged by taking a drill-bit, oversize to the fit you are trying to make and chuck it up in an electric drill, backwards, so that the solid or shank end does the burnishing. Can also be used for key bushing.

- No. 884, .055 thick per strip \$6.76
- No. 1284, .043 thick per strip \$6.76
- No. 1484, .033 thick per strip \$6.76



BURNISHER, for holes in new bushing cloth, or when hole is too tight for center pins. This is not a reamer, as it does not remove felt. Tapered and smooth, it presses the hole larger depending on how far it is run through. All new flanges (such as No. 1330) require burnishing to make good, clean holes for inserting center pins. Burnishing surface is 3" long, graduated from .050 to .085 (3/32"). Bushing cloth No. 884 can be used on wire slide holes on gate boxes, then burnished to size.

- No. 1341 each 16.90

IVORY CEMENT. For gluing genuine piano key ivories. White in color. Bottle is immersed in boiling water and applied to key while in liquid state. Sets up fast, as soon as it cools. 2 oz. bottle.

- No. 316 each \$3.95

KEY BUSHING WEDGES. When installing new felt bushings (see Stock No.1484 for the proper felt) this wooden wedge clamps the felt until glue is dry. Reusable many times.

- No. 882 **DISCONTINUED**



TREBLE DAMPER STRIP. 1-3/8" tapered to 1-3/16", 19" long. White felt with red back.

- No. 1534 each \$14.66



- No. 1104 GANG MUTE \$13.80



TEMPERAMENT FELT STRIP 50" long x 5/8" wide

- No. 1103 each \$3.95



RUBBER TUNING MUTE WEDGE (with wire handle.) 3" x 3/8"

- No. 1101 each \$1.07



TREBLE SPLIT-END RUBBER MUTE. Flat blued steel handle. Mutes one string or two at once.

- No. 1102 each \$4.95



PIANO TUNING HAMMER. Fits all standard tuning pins.

- No. 482 each \$22.50



TUNING FORK. Standard A-440 pitch. Nickel-plated. Ball tip for best sound conduction when touched to piano case as resonator.

- No. 1100 each \$10.85

PIANO SUPPLIES - TUNERS' TOOLS



No. 838



No. 839



No. 1305

TUNING PIN TIGHTENERS

For tightening loose pins, an upright should be laid on its back to avoid waste and to soak straight down the side pins. A few drops at a time, going over the entire pin block several times will do the job in about 1 1/2 hours. Permanently fills wood cells. Also useful for swelling wood around pin bushings in piano actions to stop wobbly hammers, but should be used a little at a time, so as not to overdo it; more can be added the next day if some is still required.

No. 838 PIN-RITE (9 oz. plastic bottle) each \$15.00
 No. 839 QUIKSET (9 oz. plastic bottle) each \$10.25

CENTER PIN LUBRICANT. Not an oil. Relieves sluggish joints on tangos by soaking felt bushing around pin, cleaning at the same time, then completely evaporates, leaving behind the slightly looser felt. Works just the opposite of No. 838 and No. 839 pin tighteners. No. 1305 14 oz. bottle each \$1.82



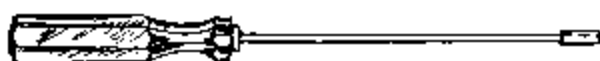
DISPENSER Leak-proof clear plastic. To hold center pin lubricant, oils or other liquids.

No. 1006 2 1/2" x 1 1/2" x 1 1/2" each \$3.50

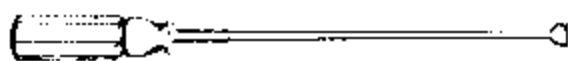


REGULATING TOOL for turning eye of regulating screw. Pockets red 5 1/2" long, natural wood finish.

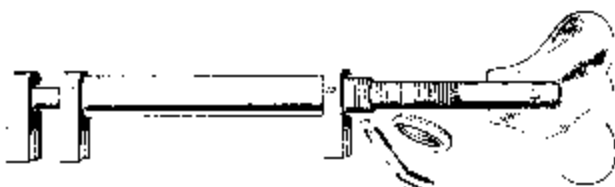
No. 1437 each \$4.00



No. 1300 Regulating tool, for clinched wire \$8.80



No. 1301 Regulating screwdriver for eyewire, 15" \$37.00



HAMMER-HEAD EXTRACTOR, with cutter.

No. 1338 each set \$48.33



HOW TO REMOVE THE GLUED SECTION OF LEAD TUBING

Some lead tubing must be replaced because it deteriorates by oxidizing from the inside out, leaving thin spots of the remaining good lead. For some reason, this most often occurs immediately above the section which is glued into the wooden channel-board. This presents a problem in removing the stub, which is quite often too weak to pull out clean. In this case, here is the best and quickest method.

Cut the old lead tubing with a sharp knife, flush with the wood. Use a common twist drill bit slightly larger than the inside diameter of the lead tubing, which will catch on the flutes as the bit is turned. By trial and error, the proper size bit may be determined. Size # 29 is usually about the right size. This will prevent this stub from disintegrating, but will still allow a tight fit as the drill bit engages. Either an electric hand drill or a pin vise may be used to spin the drill bit in. As it goes so, the water wax of the lead will be freed from the wood, as it will soon be spinning when sufficiently locked onto the drill bit. A slight upward pull will remove the stub still attached to the drill. This may be easily cut away with a knife, and you're ready to extract the next one. Since the drill bit has never touched the wood, it should leave a 3/16" hole, free of debris.

This 3/16" hole can then be enlarged to 7/32" to receive a Stock No. 351 straight reducing nipple in the center section. The end sections may have the Stock No. 351 reducing nipple glued directly into the 3/16" hole without further enlargement.