



HOWARD SEATS

(Custom Built)

1000

Standard handrubbed ACRYLIC LACQUER finishes available: Ivory, White, Black, Metallic Gold, Cordovan Brown. Shipping Weight 125 lbs. (Send for Upholstery Samples)

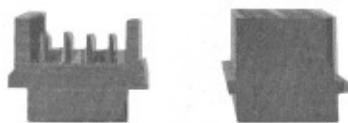


T-JUNCTIONS

(Made from select Maple, with Orange Shellac finish)

1005

—12 Pins	—61 Pins
—25 Pins	—73 Pins
—37 Pins	—85 Pins
—49 Pins	—97 Pins



MOLEX CONNECTORS

(Sold in pairs, Male and Female)

1013

—12 Pins	— 52 Pins
—16 Pins	— 64 Pins
—28 Pins	— 76 Pins
—36 Pins	— 88 Pins
—40 Pins	—100 Pins

DISCONTINUED



WURLITZER SPREADERS

(Made from select Maple with Orange Shellac finish. Phosphor Bronze wires)

1016

—25	—73
—37	—85
—49	—97
—61	

WURLITZER SPREADER BOARDS

(Made from select Poplar with Orange Shellac
finish) (3' x 25½')

1021

—25 —73
—37 —85
—49 —97
—61

SIDE RAIL FRAMES

(Finished with Orange Shellac)

1021A

(Sold by the foot) (1½" x 2" x Length)

WURLITZER MAGNET REPLACEMENT COILS

1026

New 160 OHM coils with pig/tails, ready to install on old
magnet bases. Instruction sheet is supplied. (Other
resistances wound to order)

1027

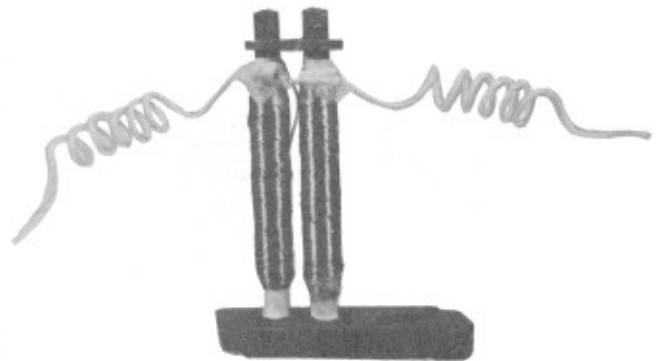
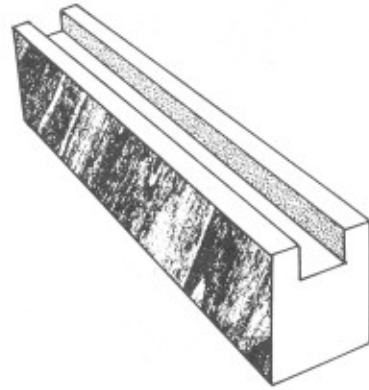
Wurlitzer magnets rebuilt with new 160 OHM coils, base and
cap gaskets and new plated armature. Send in dead magnets
to be rebuilt. Other resistances and sizes wound to order.

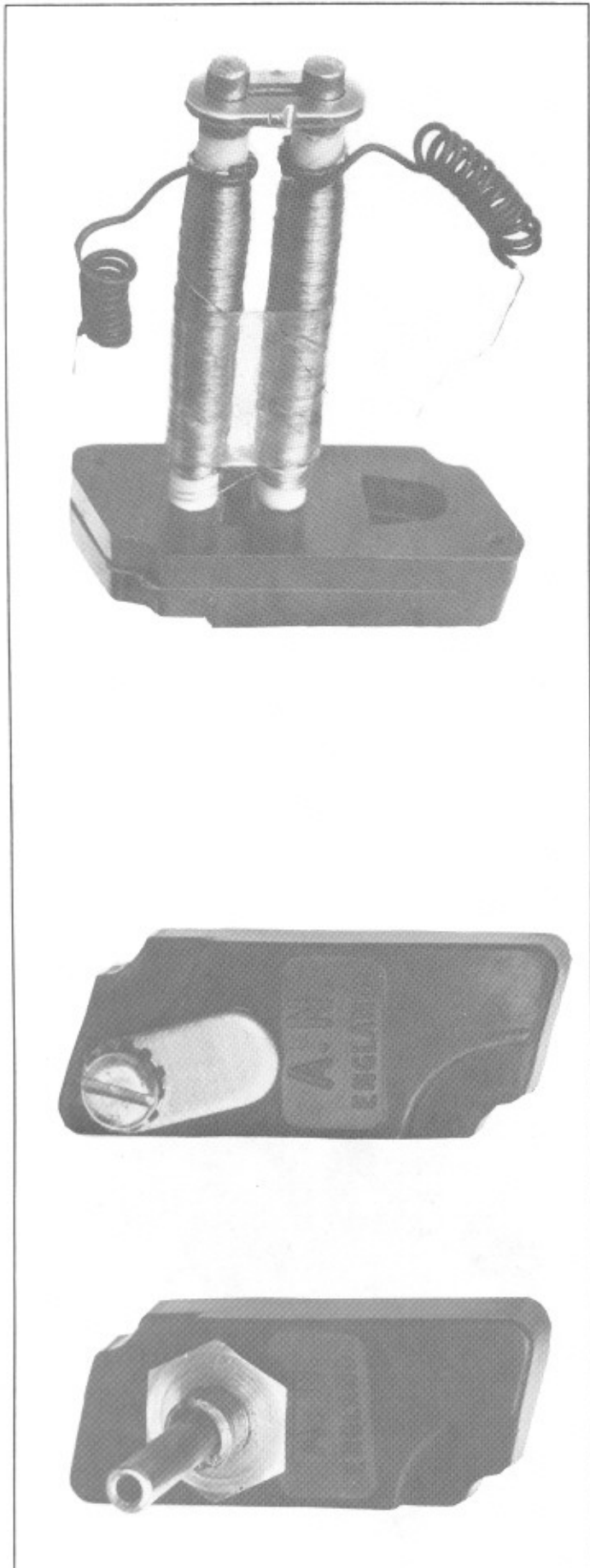
WURLITZER DAGS

(Commercial ZINC PLATED)

1025

Sold in bag of 100 pieces (1-5/16" Long)





WURLITZER CHEST MAGNET 1127A

The A. NOTERMAN LTD. Wur. chest magnet is an exact copy of the late style Bakelite unit built by Wurlitzer. It is supplied with our standard 160 ohm Coils, Base & Cap gaskets, Armature and Dags. A complete new unit for new or replacement work.

WURLITZER 1027B

Magnet Cover (cap)
(Not shown) Bakelite

WURLITZER 1027D

Magnet Base (Bakelite)
(Not shown)

WURLITZER PIZZICATO MAGNET 1127C

DISCONTINUED

The A. NOTERMAN LTD. Wur. pizzicato magnet is made from the standard #1127A chest magnet with an adjustable shutter plate over the dump hole in the cap. This unit can be used for new or replacement work.

WURLITZER VACUUM MAGNET (Piano Action) 1127E

DISCONTINUED

The A. NOTERMAN LTD. Wur. vacuum magnet is made from the standard #1127A chest magnet with a $\frac{5}{32}$ " brass nipple in the cap. You can tube these units into your tracker bar with our plastic Y's, making any player piano playable from the organ keyboard.

P.C. DISCONNECTS

1014

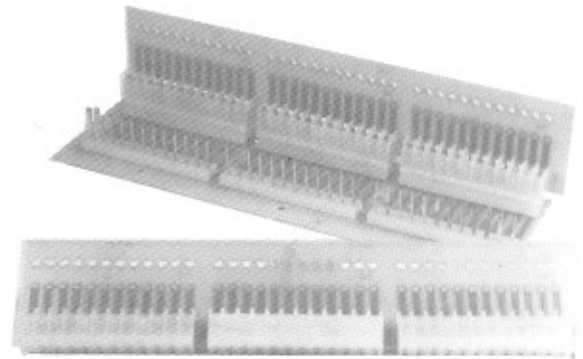
PRINTED CIRCUIT DISCONNECTS WERE DESIGNED FOR USE IN PIPE ORGANS FOR KEYBOARD CABLES, STOP CONTACT CABLES, PEDAL BOARD CONTACT CABLES, CHEST CABLES AND MAIN CABLES. THEY ARE LAID OUT IN OCTAVES OR GROUPS OF 12 IN SEVERAL STANDARD SIZES. (24, 36, 96, 108 PINS)

PLUG

24/PIN
36/PIN
96/PIN
108/PIN

BUSS

24/PIN
36/PIN
96/PIN
108/PIN



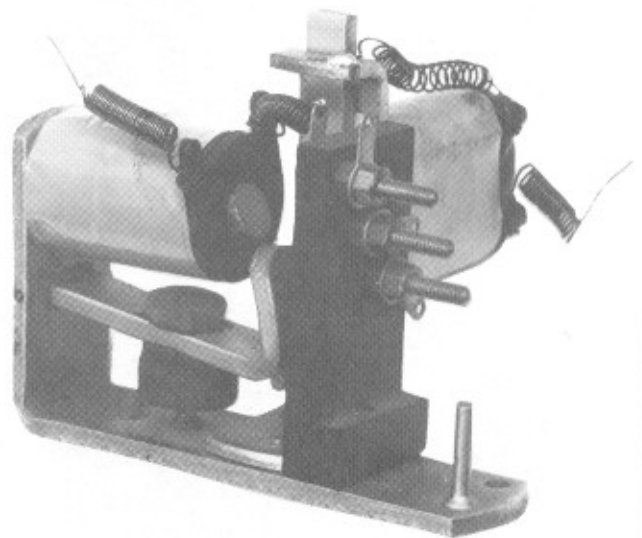
P.C. DISCONNECTS

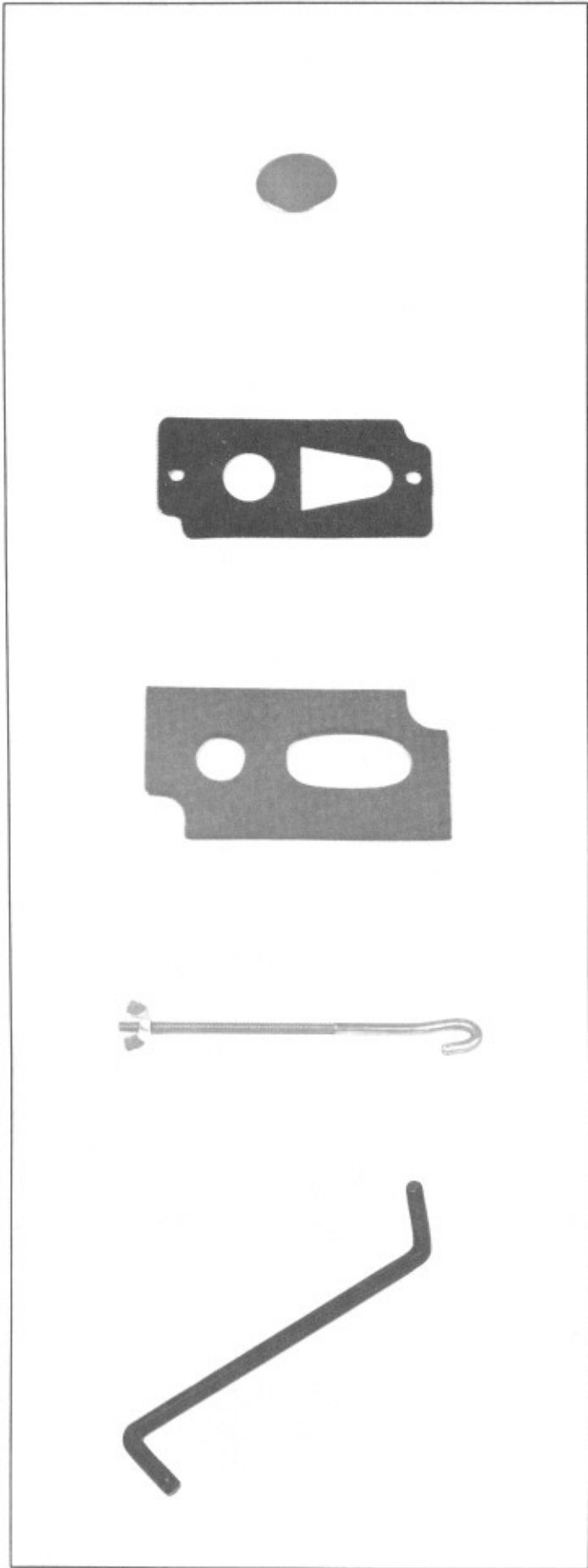
REVERSER UNIT

21

The A. NOTERMAN LTD. reverser unit is a heavy duty well built unit which will give many years of good service. Its Electro-Mechanical action is simple, but yet reliable. It was designed to reverse a standard electric stop action or knob, but can be used as a blind reverser such as a Sforzando or Tutti if used with a slave stop action unit. Hook-up instructions are supplied with each unit.

DISCONTINUED





WURLITZER PLATED MAGNET ARMATURES

*(Made from the finest grade Magnetic Iron,
Nickel plated)*

1029

(7/16" Dia. x 0.20" Thick) Sold in bag of 100 pieces.
(These can be used in other chests magnets, Kimball, Marr &
Colton, etc.)

WURLITZER MAGNET CAP GASKETS

(Made from the finest gasket material)

1030

Sold in bag of 100 pieces (11/16" x 1 1/2")

WURLITZER MAGNET BASE GASKETS

(Made from the finest gasket material)

1031

Sold in bag of 100 pieces. (7/8" x 1-11/16")

WURLITZER SHUTTER SPRING STEMS

1032

(Supplied with Wing Nut) 5 1/2" Long

WURLITZER SHUTTER PUSHER RODS

1032A

4" Long

WURLITZER STOP TAB CONTACT BLOCKS

(Silver wires standard, Phosphor Bronze wires—special)

1033

2/wire screw mount (single rail console ($\frac{1}{4}$ " x $\frac{3}{8}$ " x $\frac{7}{8}$ "))

1034

4/wire screw mount (suitable bass system) ($\frac{1}{4}$ " x $\frac{7}{16}$ " x $1-\frac{7}{16}$ ")

1035

2/wire glue mount (top rail/double rail console) ($\frac{1}{4}$ " x $\frac{9}{16}$ " - x 1")

1036

4/wire glue mount (suitable bass system) ($\frac{1}{4}$ " x $\frac{9}{16}$ " x 1")

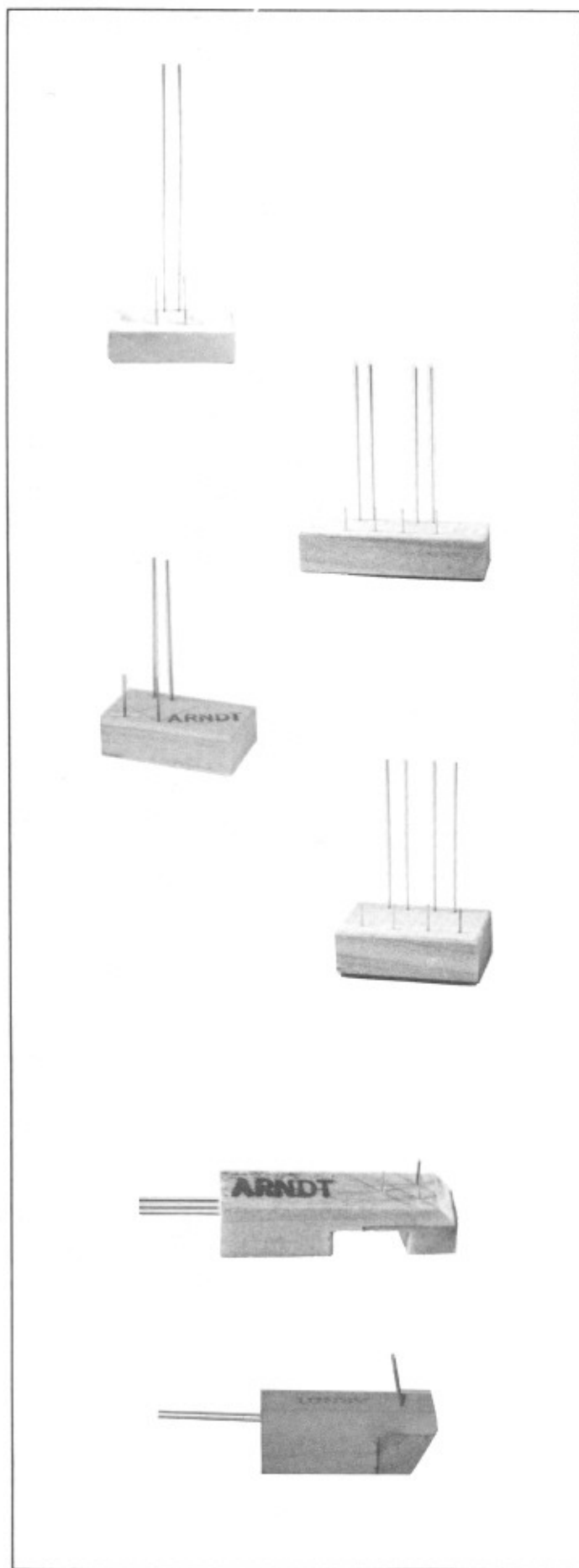
WURLITZER PISTON CONTACT BLOCKS

1037

3/wire block (silver wire) ($\frac{1}{4}$ " x $\frac{3}{8}$ " x $1\frac{1}{4}$ ")

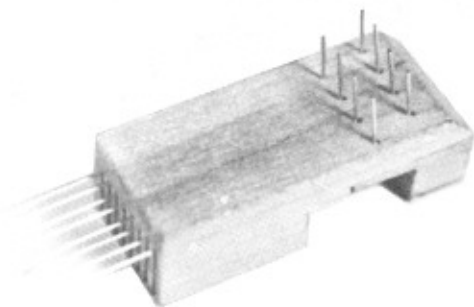
1037A

3/wire block (silver wire) ($\frac{1}{4}$ " x $\frac{3}{8}$ " x $\frac{7}{8}$ ")



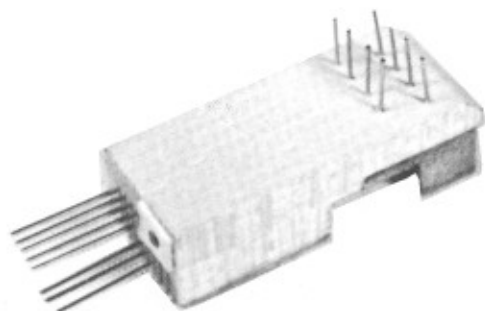
WURLITZER MANUAL CONTACT BLOCKS

(Silver wires standard, Phosphor Bronze wires—special)



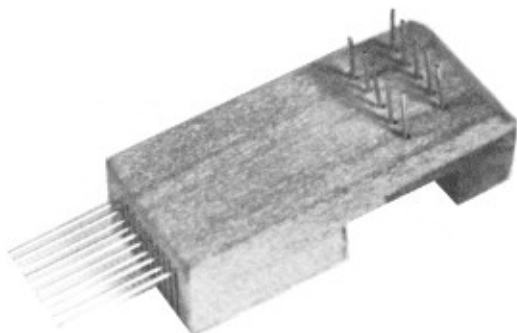
1038

8/wire (1/2" wide 1 1/4" long)



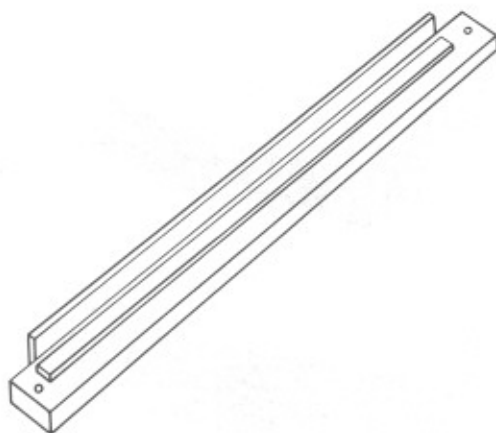
1038-3

8/wire 2nd TOUCH (1/2" wide 1 1/4" long)



1040

10/wire (17/32" wide 1 1/4" long)



WURLITZER CONTACT RAILS

(Made from select Maple with Orange Shellac finish)

1038R

(For manual contacts) (15/32" x 1 1/4" x 34 3/4")

WURLITZER PEDAL CONTACT BLOCKS

(Silver wire standard)

1041

10/wire (15/16" wide x 2" long)

1041A

8/wire (3/4" wide x 2" long) (Early Style)

WURLITZER XYLOPHONE/ GLOCK/MARIMBA/RE-IT BLOCKS

1042

2/wire (silver wire) (15/32" x 1-9/32")

1043

Silver replacement wires—#24

WURLITZER CONTACT PLATES

1039A

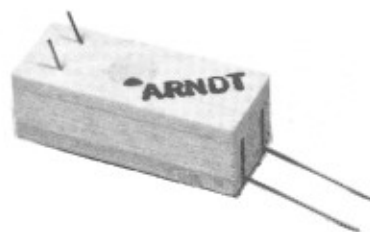
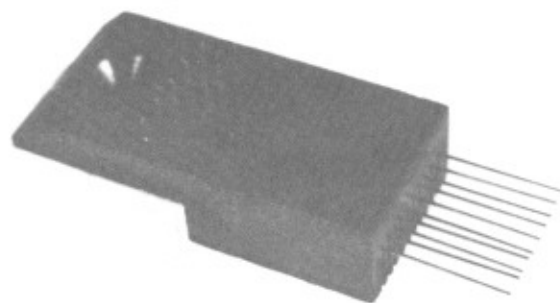
Manual (plain tipped 1/2" wide x 1 1/2" long)

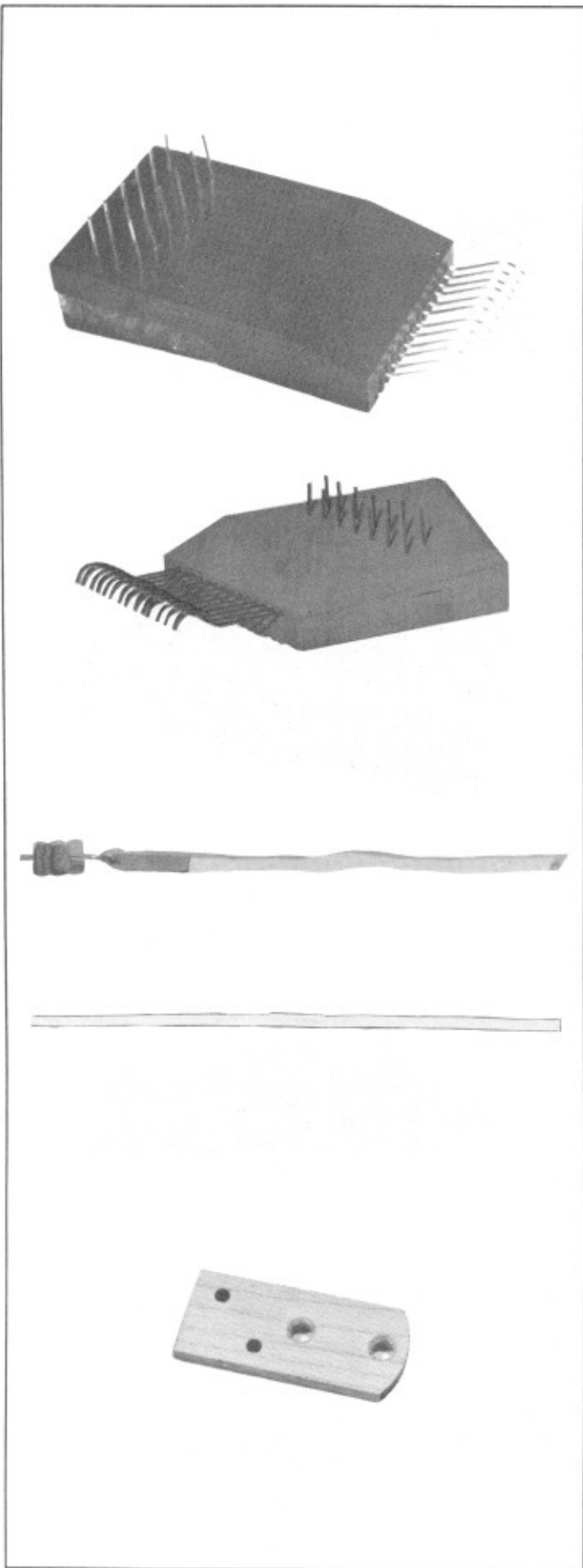
1039B

Manual (silver tipped 1/2" wide x 1 1/2" long)

1039C

Pedal (silver tipped 1" wide x 2 1/2" long)





WURLITZER EXPRESSION CONTACT BLOCKS

1044

12/wire—#20 Phosphor Bronze wire (1-9/16" x 2½")

1044A

Early Style (1" x 1¾" x 2")

WURLITZER STOP TAB TWILL TAPE PULLS

(Other styles and sizes made to order)

1045

Bottom and Single rail (¼" x 6¼")

1045A

Top rail (¼" x 12½")

WURLITZER STOP TAB TIE BLOCKS

(Made from select Maple)

1046

(¼" x 21/32" x 1½")

WURLITZER STOP TAB PNEUMATICS

1047L

(brown leather) ($\frac{5}{8}$ " wide x 3-5/16" long)

1047P

(perflex .002")

1047B

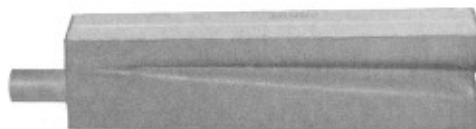
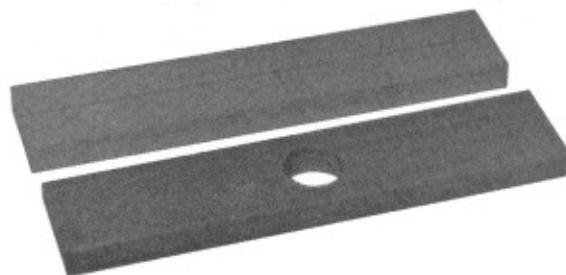
(wood blanks)

1047S-L

Special-leather with $\frac{1}{4}$ " nipple for tubing into comb. action

1047S-P

Special-perflex with $\frac{1}{4}$ " nipple for tubing into comb. action



WURLITZER STOP TAB PNEUMATIC GASKETS

(Made with original Wur. tooling)

1047A-P

blotter paper ($\frac{5}{8}$ " x 3-5/16")

DISCONTINUED

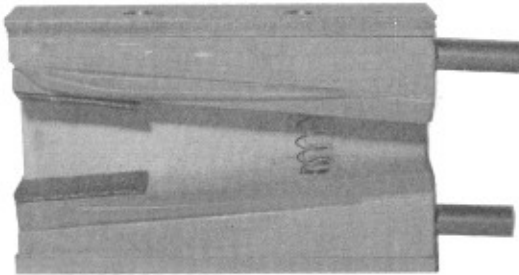


WURLITZER STOP TAB MODULE

$1\frac{3}{16}$ " wide x 2" high x $3\frac{1}{4}$ " long — without nipple

Nipple — $\frac{5}{8}$ " long x $\frac{1}{4}$ " tubing

Used for adding stops on rails and back rail



1048M-L

leather

1048M-P

perflex

WURLITZER BACK/RAIL STOP TAB PNEUMATIC

1110L

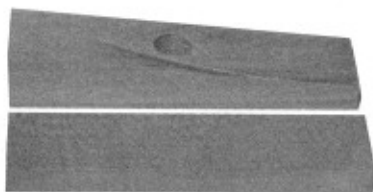
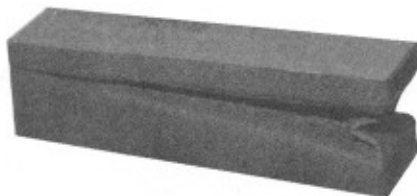
leather ($\frac{5}{8}$ " x 2 $\frac{5}{8}$ ")

1110P

perflex

1110B

wood blanks



WURLITZER BACK/RAIL STOP TAB ARMS

(Made from select Maple with Orange Shellac finish)

1111

(7/16" x 5 3/8")

WURLITZER PRIMARIES

(Specify size when ordering)

1049L

Leather

(5/8" x 1-3/16")

(3/4" x 1 1/8")

(1" x 1 1/2")

1049P

Perflex

(5/8" x 1-3/16")

(3/4" x 1 1/8")

(1" x 1 1/2")

1050B

Wood Blanks

(5/8" x 1-3/16")

(3/4" x 1 1/8")

(1" x 1 1/2")

2nd TOUCH SPRINGS

1051

Barton

Manual (5/16" x 2 1/4") (Sold in sets of 61 springs)

1052

Wurlitzer

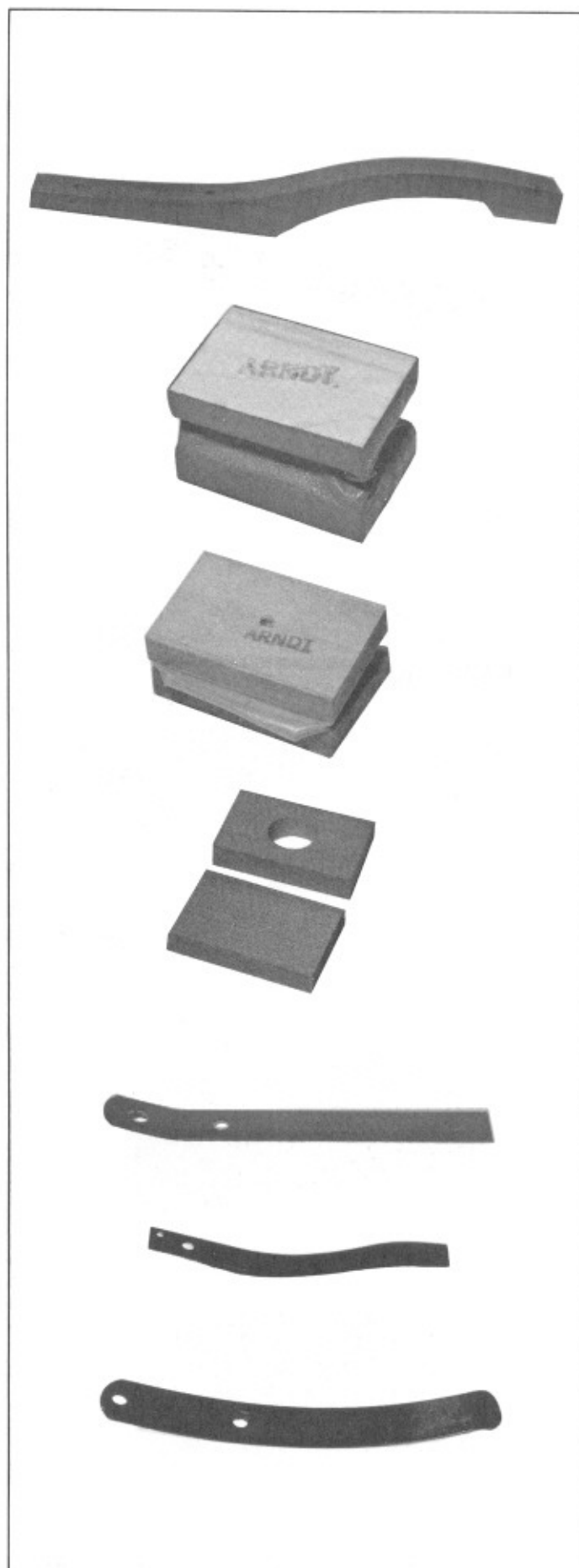
Manual (3/8" x 3 1/8") (Sold in sets of 61 springs)

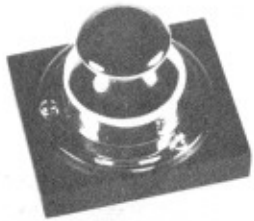
1053

Wurlitzer

Pedal (7/8" x 6 3/8")

DISCONTINUED

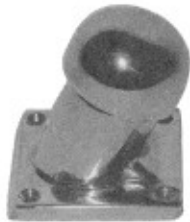




WURLITZER TOE STUDS

1054

Cast Red Brass, machined, buffed and Chrome plated with microswitch contacts N./O. (Black base 2" x 2-5/16")



TOE PISTON

1054S

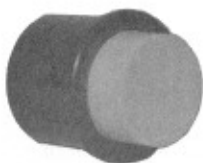
(Chrome plated) 2-contacts (Base 1 3/4" x 1 7/8")



WURLITZER PIANO SUSTAIN BUTTON

1054A

(15/16" Dia. Chrome button) (Complete with N./O.-N./C. Microswitch and mounting instructions) (Can be used for sostenuto control)



THUMB PISTONS

(If you wish these items engraved, please indicate with an (E) at the end of the number and letter code)

1054B

9/16" Dia. piston, 11/16" Dia. barrel, overall 7/8" Deep with 1st and 2nd TOUCH contacts



1054C

Keycheck button 17/32" Dia., 19/32" outside shell (Can be engraved per spec.)



1070A

5/8" Dia. Wurlitzer manual piston blank 7/8" Long

WURLITZER BACK/RAIL AND PISTON RAIL DIVIDERS

*(Made from Cast Red Brass, hand finished and
Chrome plated)*

1055

($\frac{1}{8}$ " wide x $\frac{5}{8}$ " high x $1\text{-}5/16$ " long)

WURLITZER TOP/RAIL STOP TAB DIVIDERS

*(Made from Cast Red Brass, hand finished and
Chrome plated)*

1056

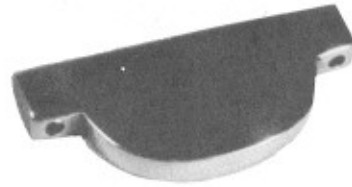
($\frac{1}{4}$ " wide x $\frac{7}{8}$ " high x $1\frac{3}{4}$ " long)

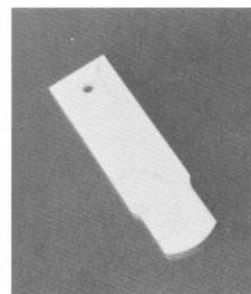
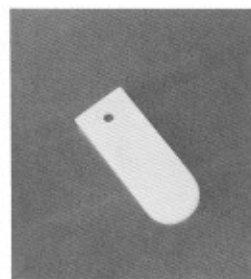
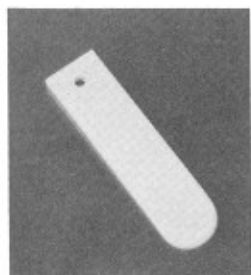
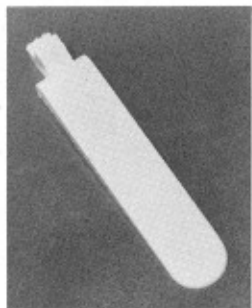
WURLITZER BOTTOM/RAIL STOP TAB DIVIDERS

*(Made from Cast Red Brass, hand finished and
Chrome plated)*

1057

($\frac{1}{4}$ " wide x $1\frac{7}{8}$ " x $1\text{-}11/16$ " long)





WURLITZER STOP TAB BLANKS

Long ($\frac{3}{4}''$ x $3\frac{3}{4}''$)

1058B Black

1058R Red

1058I Ivory

1048Y Mottled Yellow

1058W White

Short ($\frac{3}{4}''$ x $2\frac{3}{4}''$)

1058B-S Black

1058R-S Red

1058I-S Ivory

1058Y-S Mottled Yellow

1058W-S White

BLANK TABS

(For use with Electric Stop Actions)

Long ($\frac{3}{4}''$ x $2\frac{3}{4}''$)

1058B-E Black

1058R-E Red

1058I-E Ivory

1058Y-E Mottled Yellow

1058W-E White

Short ($\frac{3}{4}''$ x $1\text{-}13/16''$)

1058B-E-S Black

1058R-E-S Red

1058I-E-S Ivory

1058Y-E-S Mottled Yellow

1058W-E-S White

CHURCH STYLE STOP TABS

(For use with Electric Action)

($25/32''$ x $2\frac{3}{4}''$)

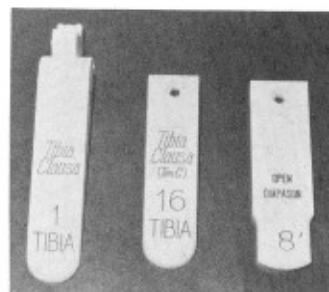
1058B-C Black

1058W-C White

ENGRAVED STOP TABS

1059

When selecting a #1059, please give type and color of blank, along with the style of engraving desired and color fill. We can supply Wurlitzer Italic, Block and Matching Block.



ENGRAVED CONSOLE TAGS

(Other custom tags and name plates made to spec.) (Write for quote)

1060

(5/8" x 3-3/16")

Wurlitzer Tag

1061

(5/8" x 3-3/16")

Orchestral

Bombarde

Solo

Great

Accomp

Pedal

1067

Tremulants (3/4" x 1 3/4")

1068

Back Rail (5/8" x 2")

Solo 2nd Touch

Great 2nd Touch

Accomp 2nd Touch

Pedal 2nd Touch

1068A

Back Rail Tags (5/8" x 2")

Solo

Great

Accomp

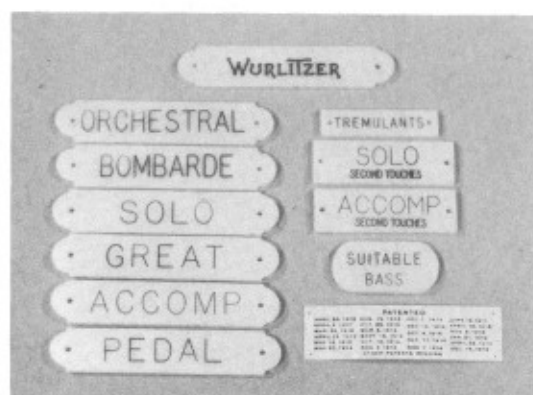
Pedal

1070

Suitable Bass (Piston Plate) (3/4" x 1-7/16")

1071

Patent Plate (3/4" x 2 3/4")



WURLITZER CHAMBER INDICATORS

1082

Main (5/16") Dia. 1/16" thick

1083

Solo (5/16") Dia. 1/16" thick





POUCH SPRINGS

(Phosphor Bronze) ($\frac{3}{8}$ " Dia., $1\frac{5}{8}$ " Long)

1910A

Extra Light

1910B

Light

1910C

Medium

1910D

Heavy

WURLITZER RE-IT SPRINGS

(Bright ZINC plated)

1915

($\frac{3}{8}$ " Dia., $1\frac{1}{2}$ " Long)

SCREW TENSION SPRINGS

1916

(For #10-12-14 screws)

1916A

(For #6-8 screws)

WURLITZER SETTER BOARD CONTACT SPRINGS

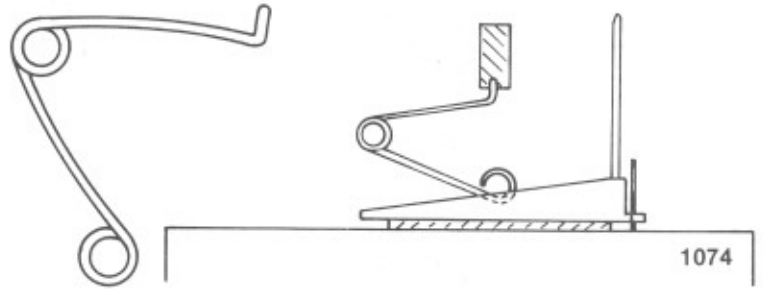
1072

(Made from Phosphor Bronze wire)

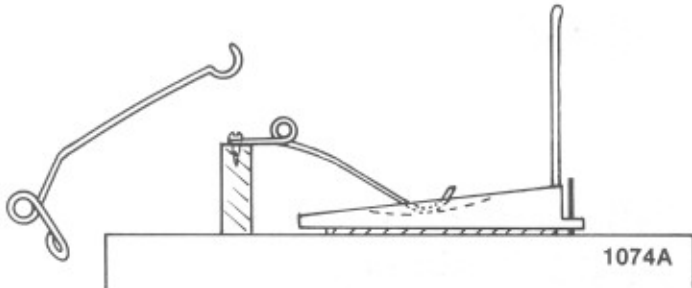
WURLITZER ACTION SPRINGS



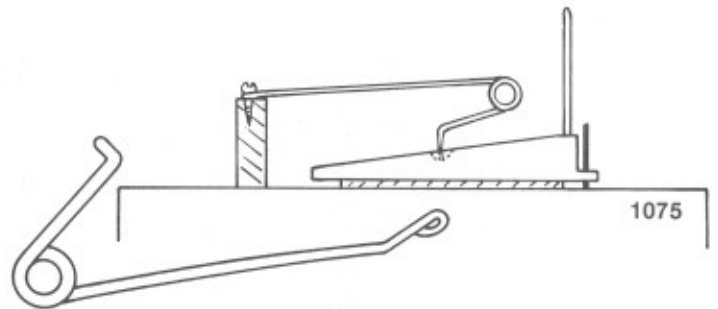
1073 Stop Tab Pneu. Return Spring



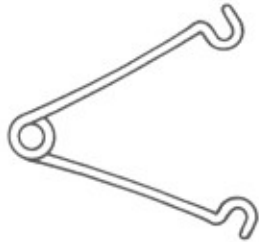
1074 Chest Pallet Spring



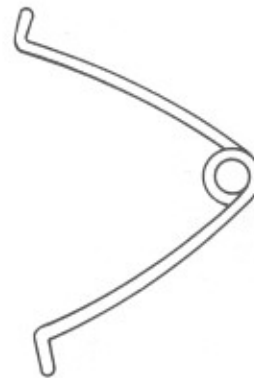
1074A Chest Pallet Spring



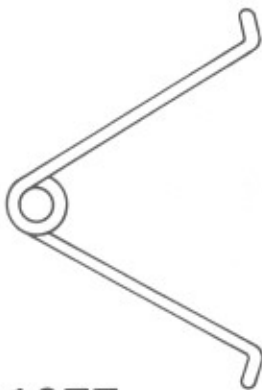
1075 Offset Chest and Early Chest Pallet Spring



1076 Relay Pneumatic Spring



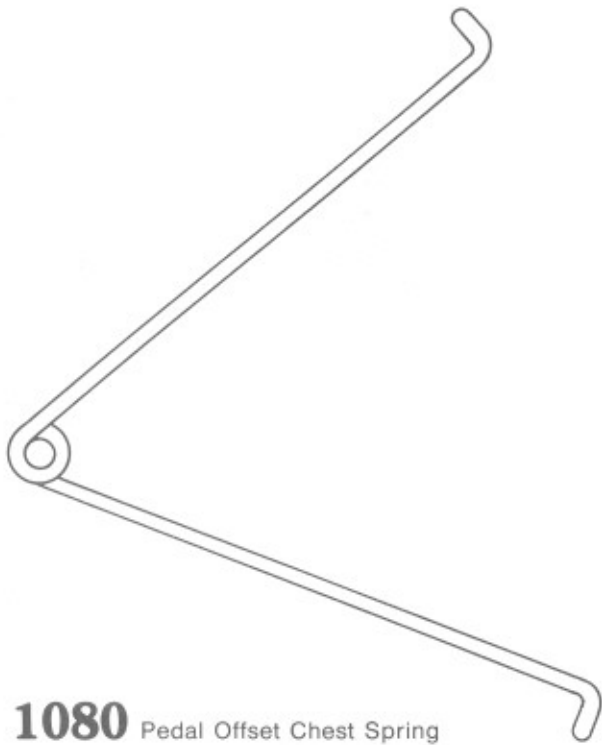
1078 Switch Stack Spring



1077 Manual Key Tension Spring



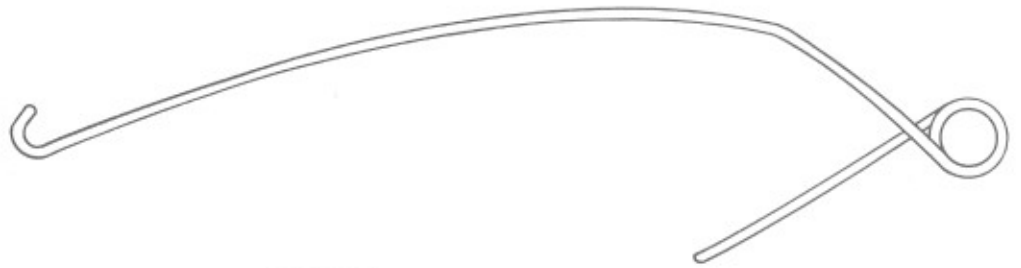
1079 Pedal Offset Compass Spring



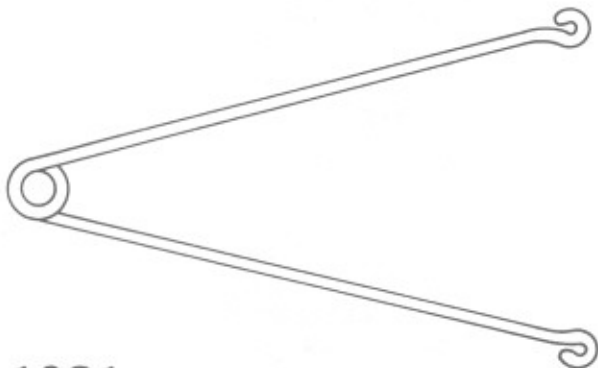
1080 Pedal Offset Chest Spring



1212A Regulator Relief Valve Spring



1212 Regulator Pallet Valve Spring



1081 String and Diapason Offset Chest and Shutter Check Spring

SELF-TAPPING WOOD INSERT

1950

(Brass 15/16" thread dia. 1/2" long)

These can be used for replacement of old Wurlitzer inserts that have pulled out. The old Wurlitzer inserts were 3/8" dia. x 3/4" long. Our new inserts will screw tightly into the 3/8" hole. These have a 10/32 machine thread in them.

1951

2 1/4" x 10/32 Round Head Machine Screw for use with above inserts.

2 1/2" x 10/32 Round Head Machine Screw for use with above inserts.

ETCHED BRASS CONSOLE NAME PLATES

(Other custom brass plates made to order)

1087M

Marr and Colton

Size

(2 5/8" x 5 1/4")

1087B

Barton

(3 3/8" x 4 1/4")

1087W

Wurlitzer "Hope-Jones"

(3 3/8" x 4 1/4")

1087R

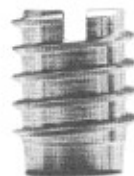
Robert Morton

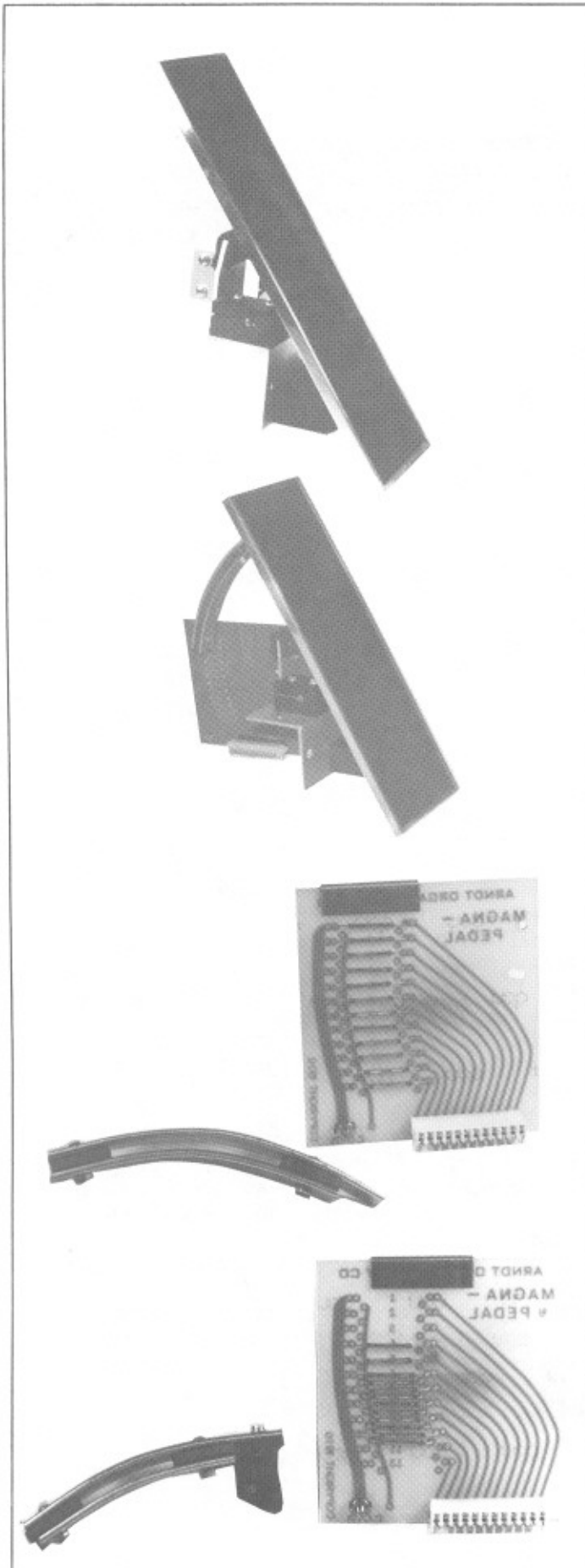
(4" x 6 7/8")

1087K

Kimball

(1 1/2" x 5 1/2")





SWELL/CRESCENDO SHOE 5000

FOR SWELL OR CRESCENDO USE. CAST ALUMINUM PEDAL WITH POLISHED EDGE & RUBBER MAT. 3¾" x 11⅞"

ARNDT MAGNA/PEDAL REED CONTACT ASSEMBLY 3003

12-CONTACTS (STANDARD) FOR SHUTTER OR CRESCENDO USE. P.C. BOARD 4" x 4½" and MAGNET ASSEMBLY.

ARNDT MAGNA/PEDAL REED CONTACT ASSEMBLY FOR USE ON WURLITZER 3003W

SWELL PEDALS. 12-CONTACTS (STANDARD) FOR SHUTTER USE. P.C. BOARD 4" x 4½" and MAGNET ASSEMBLY

PETERSON CHROMATIC TUNER MODEL 320

- *Most versatile and widely used audible tuning instrument*
- *Unexcelled accuracy . . . guaranteed to be within 1/3 of 1/100ths of a semitone*
 - *All solid state circuitry for long term reliability*
- *Full range vernier pitch control accurately calibrated in hundredths of a semitone*
- *Full seven octave range*
- *No calibration required either before or during use*
- *Lightweight, compact*
- *No warmup . . . ready to use instantly*



The Model 320 Peterson Chromatic Tuner is a precision solid state electronic instrument which produces tones of the equi-tempered chromatic scale to a very high degree of accuracy. No other tuner matches its accuracy, versatility, or range.

It is used extensively in the tuning of pianos, organs . . . band and orchestra instruments. Excellent aid for use in music education. The seven octave range, vernier pitch control, and powerful tone will satisfy the most difficult tuning requirements.

The Vernier Pitch Control is continuously variable one-half semitone sharp or flat from A=440 Hz and is accurately calibrated in hundredths of a semitone. This makes it possible to tune any pitch in the entire seven octave range or to measure frequency precisely. This feature is also an invaluable aid when tuning a celeste rank on an organ or for "stretching" the octaves when tuning a piano. A "Frequency-to-Cents" conversion chart is included with each instrument to be used as a reference to determine the exact frequency of any pitch or the deviation from A=440.

More than a million pianos and organs have been factory tuned with Peterson Chromatic Tuners.

SPECIFICATIONS

Electrical Specifications: Operates on 105 to 125 Volts A.C., 50-60 Hz (C.P.S.) Power consumption is less than 10 Watts. Seven transistors, 8 integrated circuits, and 6 diodes.

Guarantee: All instruments are fully guaranteed for a period of one year.

Case: Vacuum formed black leatherette grained thermoplastic. 9 $\frac{3}{4}$ " x 11 $\frac{1}{8}$ " x 5".

Net Weight: 5 Pounds, 10 Ounces

Range: Seven octaves of the equi-tempered chromatic scale from C=65.406 Hz (C.P.S.) through B=7902.128 Hz.

Controls: On-Off/Volume Control, Note Selector, Octave Selector, Vernier Pitch Control. An output jack permits the use of an extension speaker, or the tuner can be connected to a P.A. or sound system.

Volume: Sound sufficient for tuning loud organ pipes or for use in noisy environments.

Accuracy: The accuracy of the temperament is guaranteed to be within one-third of one/one hundredth of a semitone or .0196% for the life of the instrument.

STROBE TUNER MODEL 450

DISCONTINUED



Optional Protective Carrying Case

FEATURES OF THE MODEL 450

- Back lighted dials — simple stage tuning
- Input and output jacks for in line on stage tuning
- Automatic Image Clarifier AIC
- Scratch resistant polycarbonate front panel
- Led strobe lights never fade
- Built in condensor microphone
- **The full temperament** is guaranteed to be within 1/3 of 1/100th of a semitone. The most accurate tuner ever developed (U.S. patented)
- Does not require any calibration
- Automatically compensates to changes in temperature or humidity as well as varying line voltage or frequency
- All solid state
- No warm up — ready to use instantly
- Full 8 octave range
- Tune in any octave without moving any switches
- Rugged wood case
- Large visual readout
- A.C. operated
- Adjustable stand-handle
- Ambient light filter
- Light weight
- Export model available

SPECIFICATIONS

RANGE: Eight octaves of the equi-tempered chromatic scale from C-32.703 Hz (C.P.S.) through B-7902.128 Hz (C.P.S.).

ACCURACY: Temperament guaranteed to be within 1/3 of 1/100 of a semitone (1/3 of a cent or .0196%).

ELECTRICAL SPECIFICATIONS: Operates on 105-125 volts A/C 50/60 Hz. (Export Model 450E operates on 220-240 volts 50/60 Hz). Power consumption 14 watts maximum, 10 transistors, 8 diodes, 5 light emitting diodes, 3 integrated circuits, sensitive built in condensor microphone.

CASE SIZE: 5-3/8" × 6" (13.65cm × 28.25cm × 15.24cm). Case is built of 3/8 wood covered in Black Moroccan Grain Leatherette. Vinyl cover carrying case is optional.

CONTROLS: Power on off switch, note selector and vernier control.

NET WEIGHT: 6 pounds (2.72 kg)

SHIPPING WEIGHT: 8 pounds (3.63 kg)

GUARANTEE: Instrument is guaranteed to be free of defects in material or workmanship for a period of one year from the date of sale. During this period we will, at our option, repair or replace any instrument free of charge providing the warranty card supplied with the instrument is returned to the factory within thirty days of the date of sale to the original purchaser. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

MADE IN U.S.A.

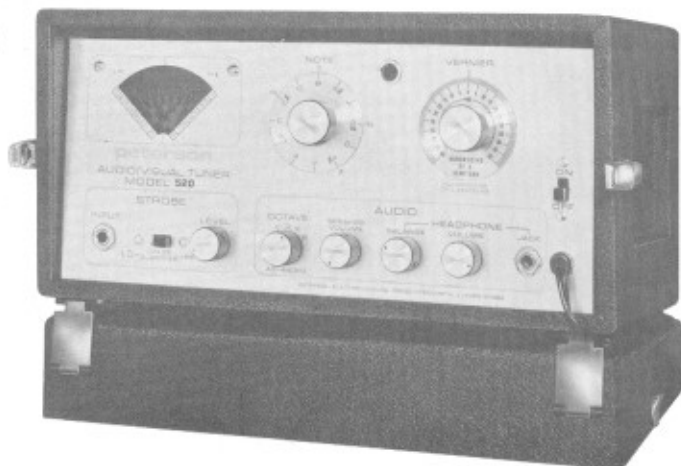
U.S. PATENT NO. 3,952,625

ARNDT ORGAN SUPPLY CO.

- Built-in condenser microphone.
- Can be used both audibly and visually at the same time.
- Unexcelled accuracy—temperament guaranteed to better than 1/3 of 1/100 of a semitone.
- Rugged case for complete protection.
- Visual range eight octaves, audio range 5 octaves.
- Large visual readout for easier, more accurate tuning.
- All solid state circuitry for long term reliability.
- Ambient light filter for better readout definition under bright light conditions.
- Full range Vernier Control accurately calibrated in hundredths of a semitone.
- Exclusive Image Clarifier for the hard to see low and high notes.
- No calibration required either before or during use. Automatic compensation for temperature and voltage variations.
- No warmup . . . ready to use instantly.
- The unique design of the case allows the cover to hinge back and form a stand for the instrument providing a comfortable viewing position. The cover is also easily detachable.

PETERSON AUDIO/VISUAL TUNER MODEL 520

DISCONTINUED



SPECIFICATIONS.

Audible Range: Five octaves from C-65.406 Hz to B-1975.533 Hz.

Visual Range: Eight octaves from C-32.703 Hz to B7902.128 Hz.

Accuracy: Temperament guaranteed to be within 1/3 of 1/100 of a semi-tone (1/3 of a Cent).

Electrical Specifications: Operates on 105-125 Volts AC, 50/60 Hz (Export Model 500E, operates on 220-240 Volts, 50/60 Hz.) Power consumption 27 Watts. 17 transistors, 10 diodes, 6 integrated circuits. Sensitive condenser microphone built-in. Headphones are not included but may be purchased at additional cost. Either stereo or monaural headphones can be used.

Controls: On-Off, Note Selector, Vernier Pitch Control, Contrast Control, Image Clarifier, Octave Control, Speaker Volume Control, Headphone Volume Control, and Headphone Balance Control.

Size: Case dimensions are 6½" x 9" x 13½" (16.51 cm x 22.86 cm x 34.29 cm). Case is covered with black Moroccan Grain leatherette. Cover is detachable or may be used as stand. Cover also provides storage space for line cord.

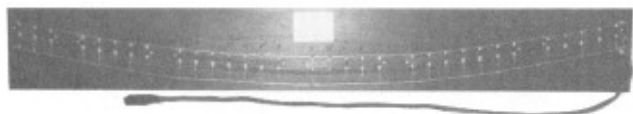
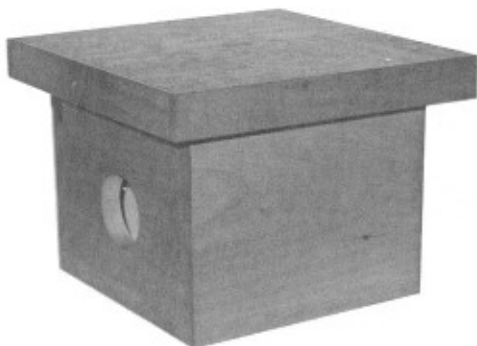
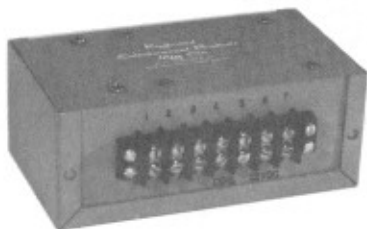
Net Weight: Twelve pounds. (5.45 Kg)

Shipping Weight: Fifteen pounds. (6.82 Kg)

Guarantee: Instrument is guaranteed to be free of defects in material or workmanship for a period of one year from the date of sale. During this period we will, at our option, repair or replace any instrument free of charge providing the warranty card supplied with the instrument is returned to the factory within thirty days of the date of sale to the original purchaser. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

The Peterson Audio/Visual Tuner, Model 520 is the most versatile tuning instrument available anywhere. The availability of both audio tones and a visual readout makes it suitable for any tuning requirement. Now you can listen to the audible beats between the internal standard and the instrument you are tuning, and at the same time observe the tuning on the strobe display, a feature particularly helpful in music education. The Vernier Pitch Control is **continuously** variable a full half semitone sharp or flat from A=440 and is accurately calibrated in hundredths of a semitone. This makes it possible to tune to **any** pitch in the entire eight octave range and to measure **any** frequency precisely. A "Frequency to Cents" conversion chart is provided with each instrument. The exclusive Image Clarifier makes tones that are rich in harmonics much easier to tune, particularly the bass notes of a piano. The large visual readout employs a spinning disc containing over 500 individual "spots" arranged in eight rows. This system provides many important advantages over other types of readouts. Far greater resolution is achieved over systems using only a few lamps arranged in line or in pseudostroboscopic pattern. The octave bands display separately and **simultaneously** the tuning of the octavely related harmonics as well as other partials thus making possible "at a glance" harmonic analysis . . . absolutely essential to proper piano tuning. Since all octaves are read directly on the disc, note selection becomes a simple setting of just **one** control. And most importantly, the strobe's unique ability to display many frequencies simultaneously, makes it possible to tune in noisy environments, even in the presence of other extraneous musical tones.

This tuner is without doubt the finest piece of equipment available for whatever tuning requirements you may have. Over a million pianos and organs have been factory tuned with Peterson Chromatic Tuners and they are used and recommended by many of the leading manufacturers of musical instruments in the United States.



ARNDT SOLID STATE TREMOLO DRIVER

1094

The Tremolo Driver is a compact, solid state device that allows fast, finger-tip control of two characteristics of tremolo: Rate and Depth. Each may be varied individually and the numbered controls permit returning the controls to precisely the previous settings. The Tremolo Driver is easily installed in chamber or console by simple electrical connections. With its powerful 5 amp output, it can drive several tremolos from the one unit. The unit consists of two assemblies, a control panel (#1094V vertical or #1094H horizontal) and the Driver Unit. These units have been shipped to all parts of the world and used in all types of pipe organs since 1969. Instructions and Warranty are enclosed with each unit.

ARNDT TREMOLO DUMP VALVE BOX

1095

This unit is to be used with solid state Tremolo Driver. For use with all size reservoirs.

DUMP VALVE BOX PLANS

1097

These are full size plans and parts list for building your own Dump Valve Box for use with our Solid State Tremolo Drivers.

STOP ACTION REED

3000

($\frac{3}{4}$ " long x $\frac{1}{8}$ " Dia.) (These are used on our #3015 Stop Action Magnets)

PEDAL REED

3001

($\frac{3}{4}$ " long x $\frac{1}{8}$ " Dia.) (These are used for Pedal contacts when using Solid State Switching)

WURLITZER PEDAL CONTACT REED BOARD

3001B

Complete with 32/reeds, 32/magnets, layed out for use with Wurlitzer Pedal Boards. (Other layouts can be made on special order)

PEDAL REED MAGNET

3002

($\frac{3}{4}$ " x 1" x $\frac{1}{8}$ ")

INDICATOR LIGHTS

3005S

Socket (Miniature Bayonet Base)

3005L

Lamp (Miniature Bayonet Base) 13 volt

STOP ACTION MAGNETS

3015-SAM

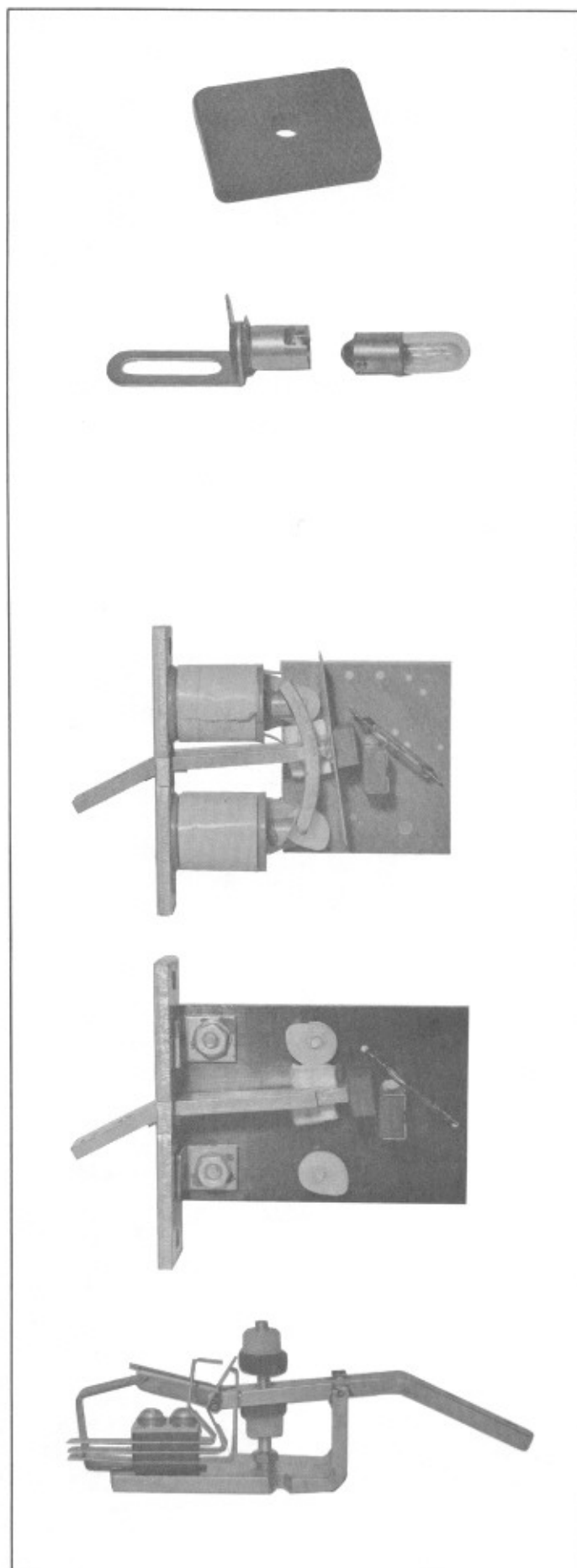
($\frac{13}{16}$ " wide x $2\frac{7}{8}$ " high x $2\frac{1}{2}$ " deep)
(With magnets and magnetic reed contacts, 28 OHM coils)
15° tilt

3015-SA

(Manual with magnetic reed contacts) $\frac{13}{16}$ " wide x $2\frac{7}{8}$ " high
x $2\frac{1}{2}$ " deep 15° tilt

3015-STU

K/A (Manual stop action with on and off contacts)
($\frac{3}{4}$ " wide x $1\frac{1}{4}$ " high x $2\frac{1}{4}$ " deep)





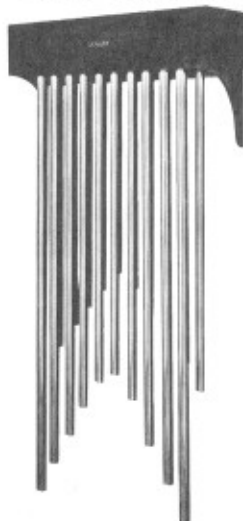
DISCONTINUED

The Patrician



The quality of sound and economy have made the Patrician chimes our most popular. The chimes are finished in Lustr-Gold and are a uniform 1¼" in diameter. Action is electric solenoid striker with sufficient volume to meet the requirements of all but large sanctuaries. Electric solenoid dampers permit the organist to control ring-time from the keyboard with five stages of volume. Range: 21 note A to F chromatic. Dimensions: 68" high (top of canopy to bottom of longest chime), 46½" wide and 7½" deep at the canopy. 25 note G to G chromatic; 72" high by 56" wide and 7½" deep. Canopy is Walnut finish.

The Trinity



The Trinity is our finest model in tubular organ chimes. Graduated from 1¾ to 1½ inch in diameter, a matchless perfection in tonal balance is achieved from the rich lower tones to the clean brilliant higher tones. The Trinity chimes are controllable by the organist over five stages of striking intensity. Electric solenoid dampers permit the organist to control the ring-time of each chime. The chimes are mounted in a double row and finished in Lustr-Gold. Range: 21 note A to F, chromatic. Dimensions: 79½" high (top of canopy to bottom of longest chime), 38½" wide, and 13" deep at the canopy. Canopy has a Walnut finish.

MAYLAND Cathedral Chimes

DISCONTINUED

Mayland Chime Co., offers the finest quality Cathedral Chimes, a product of long years of research and manufacturing experience.

Mayland's "BELL LIKE" quality is due to solid construction without any attachments which gives you a TRUE-TONE Cathedral Chimes.

SOLID BAR . . .

Not a tube but a special metal which provides you with a pure and steady fundamental tone. No plugs to loosen or crack . . . being a solid bar of 1¼" in diameter. It contains more metal to give a greater volume of tone than tubes of a larger diameter.

ELECTRIC ACTIONS . . .

Mayland Chime Co., has developed, to meet the demand for an electric action that will operate from the alternating current through a low voltage transformer and 5 point volume control. It is simple in construction and noiseless. The striking plunger is completely enclosed to protect it from the accumulation of dust and dirt. Any number of Chimes can be struck simultaneously on any setting of volume control.

QUALITY SINCE 1866

Chimes are available in the following scales . . . Tune to A-440 unless otherwise specified.

21 NOTES A to F
25 NOTES G to G



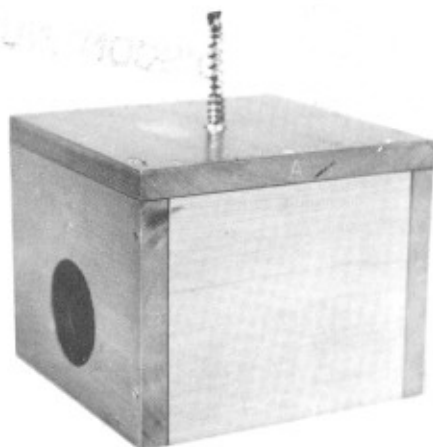
21 NOTE: 43" long, 6" deep, 70" high.

25 NOTE: 51½" long, 6" deep, 74" high.

DICE BOX REGULATOR

1098

Can be used in place of regulator on offset chests and actions
(8" x 8" x 12")



ARNDT GLOCKENSPIEL BARS

(For pipe organ, band organ and nickelodeon use)

1099

Made from drawn bell bar stock, tuned, chrome plated and fine tuned to standard A-440 cps., A-435 cps. special order.
(new Chrysoglott bars and other scales made to order)
(5/16" x 1 1/4" scale (steel)

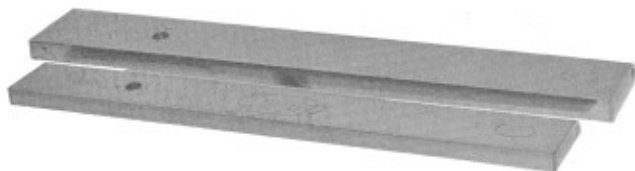


1099A

(1/4" x 1" scale (Steel)

1099B

3/8" x 1 1/4" scale (aluminum) buffed and lacquered



WURLITZER GLOCK HAMMERS

1099H

Flat spring with head (3/8" dia.) (3/8" x 8") blued spring stock

1099S

Flat spring (3/8" x 8" blued spring stock)



XYLOPHONE BARS

(For pipe organ, band organ and nickelodeon use)

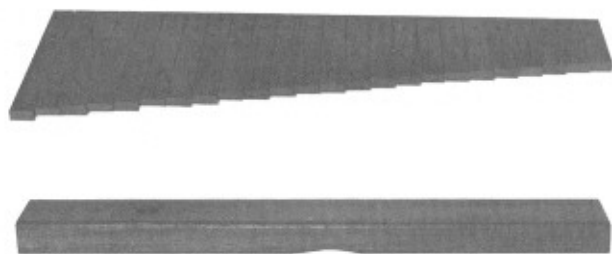
1100

3/8" x 1 5/8" scale — Rosewood Bars

1100A

(Other scales made to order)

3/8" x 1 1/4" scale — Rosewood Bars





WURLITZER XYLOPHONE HAMMERS

1100H

Flat spring with maple head (1 1/8" dia.) (3/8" x 6 5/8")
blued spring stock

1100S

Flat spring



WURLITZER BASS DRUM SPRINGS **DISCONTINUED**

1101

(3/4" x 13 1/2") (blued flat spring stock)

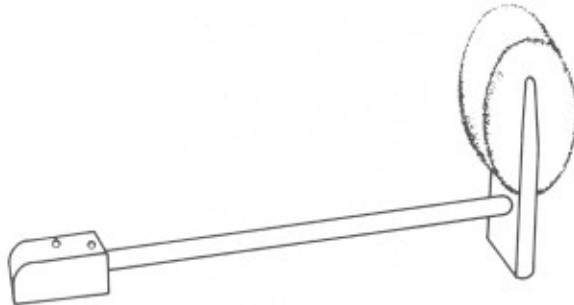


WURLITZER CRASH CYMBAL SPRINGS

1101A

DISCONTINUED

(3/4" x 17") (blued flat spring stock)



WURLITZER CHRYSOGLOTT HAMMERS

4000

Exact copy of original hammer. Sold in sets of 49 hammers.
(1" wide x 8 7/8" long)



ARNDT DAG TOOL

1104

(used for turning dags in and out)



PIN VICE **DISCONTINUED**

1104A

(use for assembly of valve stems in actions etc.)
(3 7/8" long)



WIRE TWISTER

1104B

(Can be used on wire sizes from #24 to #30 gauge)

ARNDT LEATHERING JIG 1105

(Instructions included with each jig) (used for holding primary pneumatic blanks while gluing leather, perflex, zephyr and rubber cloth on. Speed work by more than 60%)

LEATHERING JIG BOARD 1106

(Not shown) (used for holding leathering jig) Formica covered (12" x 24")

LEATHER AND FELT KNIFE 1107

(1/16" x 4") Rigid blade, total length — 8"

CONTINUITY TESTER 1102

(used for checking continuity in cables and contacts)

DISCONTINUED

ELECTRIC SCREWDRIVER 6000

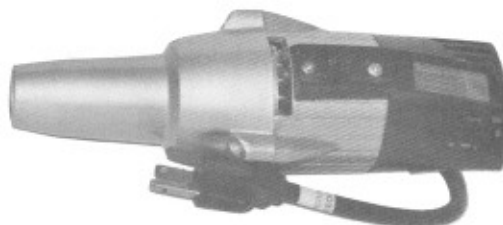
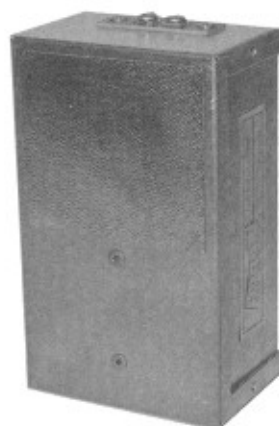
We have found that this is the ideal tool to speed up the long hard job of dropping the bottom boards with many screws to remove. The screwdriver will drive and remove #4 through #12 Slotted, Hex and Phillips Head Screws. Clutch engages as pressure is applied to drive screws, releases as pressure is withdrawn. Powerful 115V AC/DC 2.0 amp motor develops 325 no-load RPM 100 to 1 gear reduction for high torque. Self-mounted reversing switch. Smooth finish aluminum motor housing. 8½" long, 3" diameter, 3/cond. cord. Includes three (3) ¼" hex-shank bits. UL and CSA listed. Shpg. weight 4 lbs.

DISCONTINUED

ORANGE SHELLAC 1600

(This is fresh 4 lb. cut shellac, which can be broke with high grade Alcohol)
1 Qt. bottle

DISCONTINUED





NITROSOL NON-COMBUSTIBLE EMULSIFIER

1603

BIODEGRADABLE SURFACTANTS

NON-ACID

PHOSPHATE FREE

NITROSOL is very easy to use, simply spray or wipe on and wipe off.

NITROSOL is used in every type of facility that cleans grease, grime, light carbon, soot, oil, most inks and soil from any washable surface.

NITROSOL cleans the grime off of old chests, actions and wood pipes.

NITROSOL also cleans and brightens old metal pipe work and brings back the shine in spotted metal pipes.

NITROSOL cleans all kinds of equipment, machinery, leather and vinyl upholstery.

NITROSOL removes oxidized old paint, oily films, strip adhesives.

NITROSOL is diluted with 6 to 10 parts of water for general use in cleaning and light degreasing.

NITROSOL is diluted with up to 50 parts of water to clean walls, floors, ceilings, blinds, light fixtures, etc.

WORK APRON

1110

(24" x 36") Blue Denim 36" knee length with 2 partitioned bib pockets and 1 waist pocket. Wt. 8 oz. ea.



MAGNEHELIC[®] MANOMETERS

DWYER MAGNEHELIC MANOMETERS

1108

Indicate air pressures: positive, negative or differential. Accuracy: plus or minus 2% full scale. Available in two sizes: 0" to 10" and 0" to 20".

This design resists shock, vibrations and over-pressures. There is no manometer fluid to freeze, evaporate or cause toxic or leveling problems. It is used to measure blower and regulator pressures. Also used in the adjustments of the tremulants.

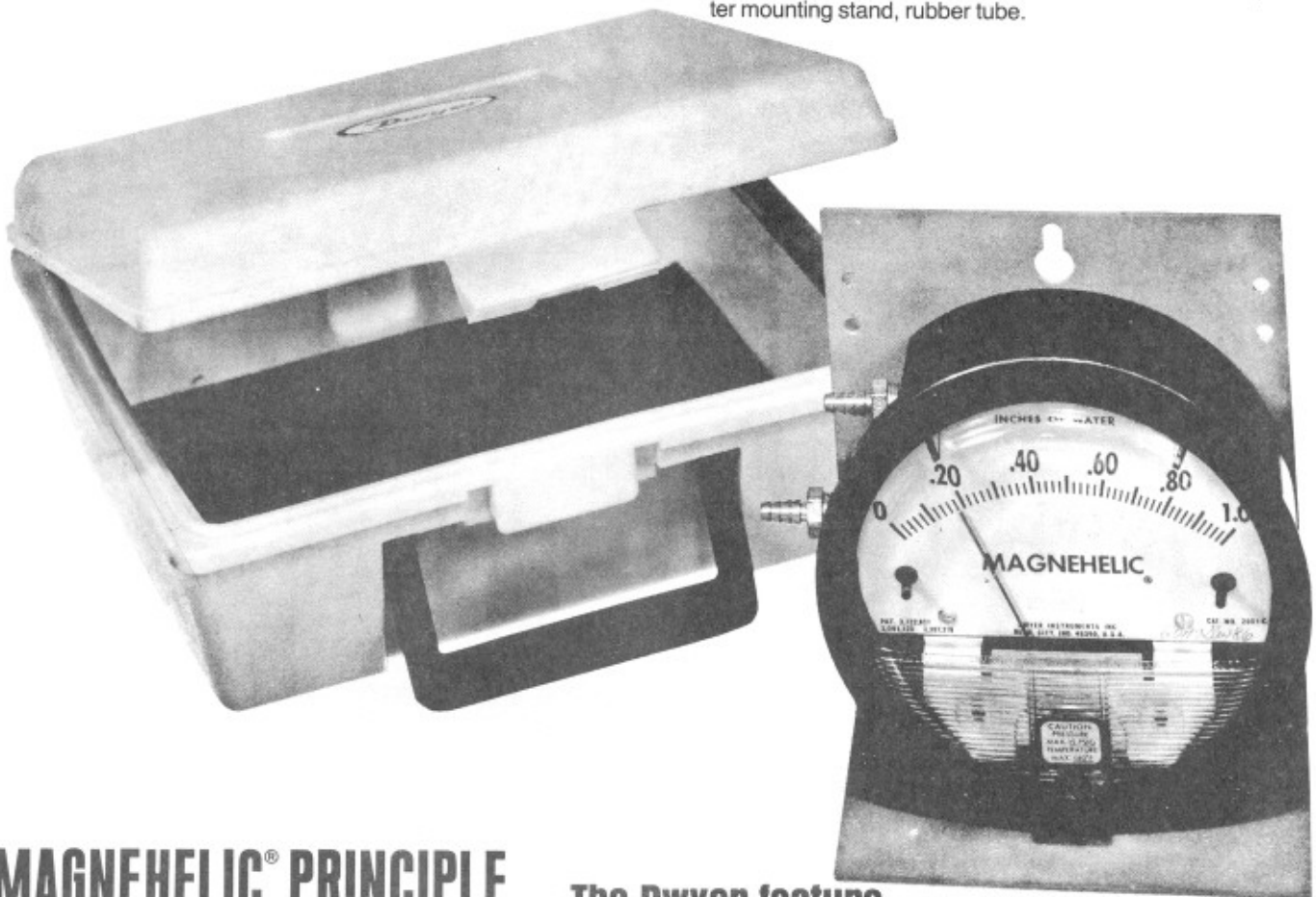
Connections: 1/8" NPT duplicated high and low pressure taps, one pair on the side and a pair on the back.

Weight: 1 lb. 2 oz.

CARRYING CASE FOR MAGNEHELIC MANOMETERS

1108A

The plastic carrying case includes foam cushion interior, manometer mounting stand, rubber tube.

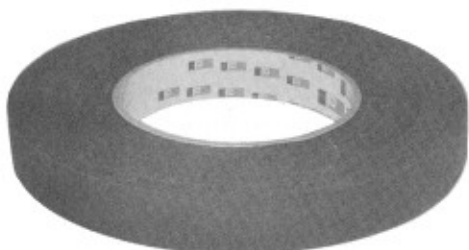


MAGNEHELIC[®] PRINCIPLE... The Dwyer feature that has created new standards in the measurement and control of low differential air pressures



PVC-E GLUE 1601

8 oz. squeeze bottle and 1 qt. bottle (This is used for gluing Poylon, Perflex-E, Nylon, Vinyl, Neoprene Sponge to wood. Water soluble, but is resistant to moisture after it dries.)



FLAKE GLUE 1602

(Not shown) Fine quality glue made from fresh selected animal trimmings. For best results, soak glue over night. (1 & 5 lb. bags)

PERMACEL 1117

DISCONTINUED

3/4" tape (black cloth) 60 yd. roll (For taping cables)



1117C **DISCONTINUED**

2" duct tape 60 yd. roll



CABLE TIES 1117T

Used for up to 3/4" cables (bag of 100 pcs.) 3 1/2" long



GLUE POT 1118

Accurate thermostatic control. Operates without water jacket. Removable glue container. Wide overhanging lip prevents glue from entering heater shell. 6 ft. heavy duty three-wire grounded Power Cord. Built like a boiler; will stand abuse. Long-life heating element. No hot spots—will not burn glue. Underwriters approved.

WIRE 2040

Size
#14 AWG tinned copper buss wire (Sold by the foot)
#20 Phosphor Bronze spring wire (Sold by the foot)
#26 Phosphor Bronze wire (Sold in 48" straight lengths)
#27 Phosphor Bronze wire (Sold in 48" straight lengths)

NYLON - SOLVAR COATED WIRE

(Makes wiring easy, as coating melts with heat of soldering iron) (Write for free sample)
sold by the pound (7-10 lb. roll)

1108-26

#26 wire (1280 ft. per pound)

1108-28

#28 wire (2028 ft. per pound)

NEW KEYBOARDS

1109E

(Imported English wood keyboards, Wur. Spec., write for prices)

1109A

(American made wood keyboards)

1109I

(Italian, Loduca—channel type "brass roller action" keyboards with metal frame and plastic keys) (Keys leveled and polished, without contacts)

11091-E

(Italian, Loduca—with extended key channels)

1109I

44/Notes (F-C)

1109I

61/Notes (C-C)

1109I

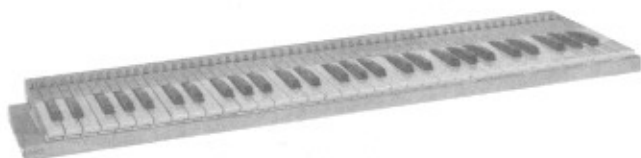
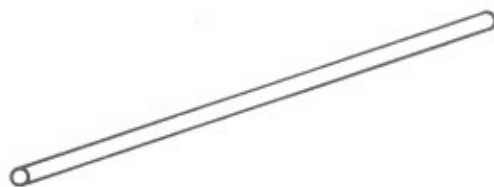
37-49/Notes — (Special Order)

DISCONTINUED

DISCONTINUED

DISCONTINUED

DISCONTINUED





WURLITZER STOP SWITCH STEMS

1112

(2-7/16" long) (These screw into Wurlitzer switch bars)

WURLITZER BACK/RAIL STOP TAB CONTACT STEMS

1113

Plain (2" long)

1113S

With Silver Collar

WURLITZER STOP TAB CONTACT STEMS

1114

Threaded bottom rail plain (3" long)

1114S

Threaded bottom with silver collar

1114A

Top rail plain

1114A-S

Top rail with silver collar

WURLITZER STOP TAB "C" SPRINGS

1115

(7/8") Standard stop action springs, as used on many types of stop actions.

WURLITZER STOP TAB "C" SPRING SCREWS

1115A
(1") (Brass)

1115B
(1 1/4") (Brass)

WURLITZER STOP TAB EYELETS

1115C
(1 1/8" long) (Plated)

1115D
Stop Tab Pivot wire
(sold in 3' straight lengths) (Not Shown)

WURLITZER EXPRESSION PEDAL RUBBER MATS

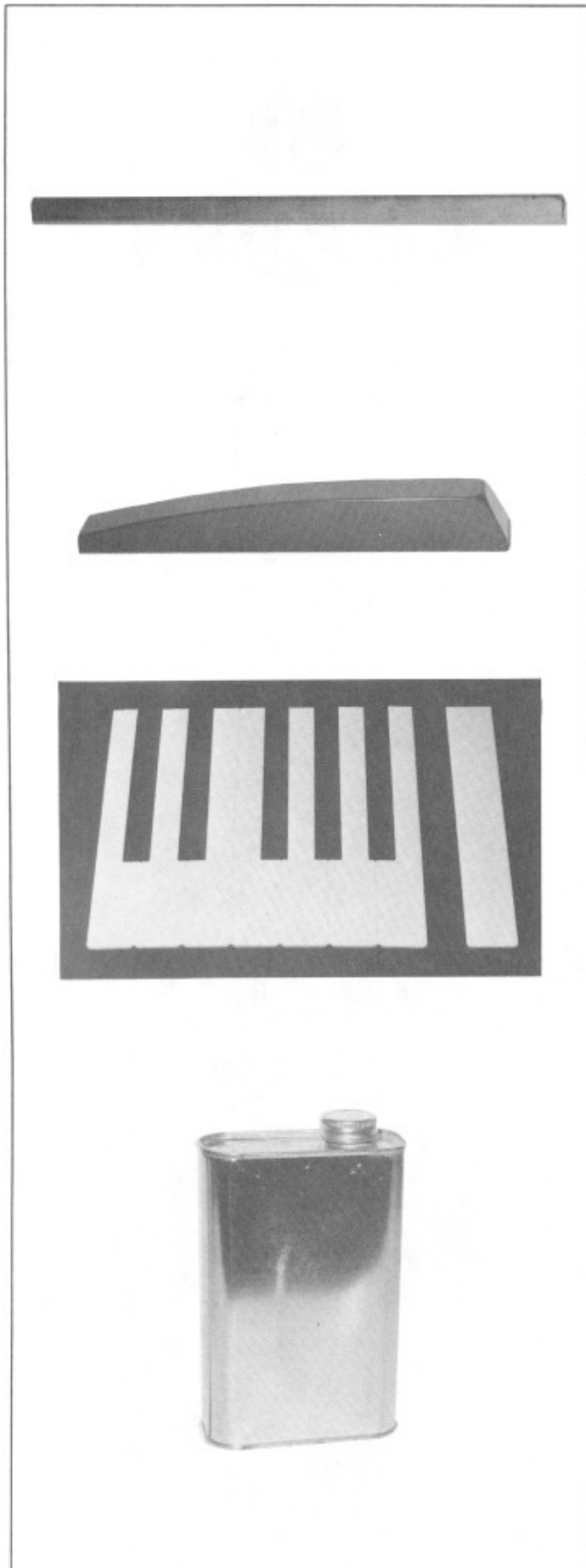
1116
Ribbed (black) Size: (3-7/16" x 11") (Cross ribbed like original)

PEDAL SHARPS

1241
Molded Black Plastic (7/8" wide x 3" high x 5 1/2" long)

1241A
(2 3/4") machine screws, springs, for mounting sharps





PEDAL NATURALS

1242W

(21" long x 1" wide x 1" high) (Wurlitzer replacement)

1242S

(26 $\frac{3}{4}$ " long x $\frac{7}{8}$ " wide x 1" high) (Standard)

MANUAL SHARPS

1243S

Black Plastic (3 $\frac{1}{2}$ " long x $\frac{7}{16}$ " wide)

MANUAL KEY TOPS

1243N

(Used for recovering keys)
5/octave set .060" thick

1243N-C

top C .060" thick

CEMENT FOR KEY RECOVERING

1244

(Made by Pratt Read for gluing new key tops on. Sold in pt. cans only.)

DISCONTINUED

WURLITZER PRIMARY VALVES

1049V

($\frac{5}{8}$ " manual chest valves)

Valve seat, fibre punching, leather punching (supplied — unassembled) (Order with leather or neoprene sponge valve seat. Neoprene seats have self adhesive back for easy assembly.)

FELTS

Red stop tab bumper felts

1119

9/16" dia. x 3/16" thick

DISCONTINUED

Red valve stem felt punchings

1119A

$\frac{3}{8}$ " dia. x 1/16" thick

Green felt punchings

(Front rail $\frac{3}{4}$ " dia.)

1130A Thin



1130B Medium



1130C Thick



Keyboard Balance Rail punchings $\frac{1}{2}$ " dia.

1131A Thin



1131B Medium



1131C Thick



Green Keyboard felt

(Strip $1\frac{1}{2}$ " x 52")

1132A Thin



1132B Medium



1132C Thick

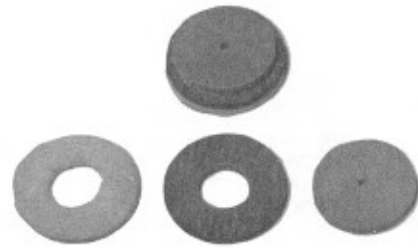


Stop Rail felts

1120 $\frac{1}{8}$ " red (thick 18" x 72") per yard

1120A $\frac{1}{8}$ " red (thick $\frac{3}{4}$ " x 36") bottom rail

1120B 1/16" red (thin $\frac{5}{8}$ " x 36") top rail





TWILL TAPE

1121

(Pipe ties and misc.)
3/8" wide (white) (sold by the yard)



NEOPRENE TUBING

(black)

1122

3/16" (Sold by the 100 ft. length)

1122A

1/4" (Sold by the 100 ft. length)



BRASS NIPPLES

1123

5/32" dia. 1 1/4" long (Sold by the 100 pcs.)

1123A

3/16" dia. 1 1/4" long (Sold by the 100 pcs.)

1123B

1/4" dia. 1 1/16" long (Sold by the 100 pcs.)



WIRE NUTS

(Polyethylene)

1124

7/32" (Sold by the 100 pcs.)

1/4" (Sold by the 100 pcs.)

3/8" (Sold by the 100 pcs.)

1/2" (Sold by the 100 pcs.)

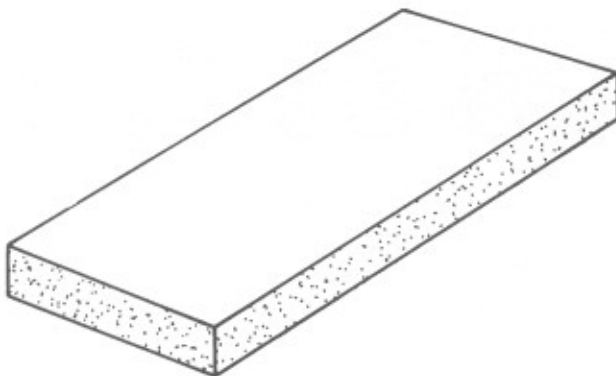
1124A

Leather Buttons (flat) used on actions etc.

1/2" dia. (Sold by the 100 pcs.)

3/4" dia. (Sold by the 100 pcs.)

1" dia. (Sold by the 100 pcs.)



NEOPRENE SPONGE GASKET MATERIAL

(Used for chest and action gasket seals)

2009

1/16" thick with adhesive back (Sold by the sq. ft.)

1/8" thick plain (Sold by the sq. ft.)

3/16" thick plain (Sold by the sq. ft.)

1/4" thick plain (Sold by the sq. ft.)

SCREWS

Console Tag Screws

1125

#1 x 1/2" round head wood screw

1125A

#2 x 1/2" round head wood screw

Misc. Screws

1125B

#2 x 3/4" flat head wood screws (Xylophone, Glock, Marimba — Re-It block)

1125C

#1 x 1/2" round head wood screws (piston/dividers)

1125D

#2 x 3/4" top and bottom/rail divider screws

1125E

#2 x 1/2" flat head (2/w screw mount)

1125F

#2 x 3/8" round head (tie blocks)

ROUND HEAD



FLAT HEAD



FIBRE VALVE DISKS

1126

(Sold by the 100 pcs.)

1/16" Thick

1/2" Dia.

5/8" Dia.

3/4" Dia.

7/8" Dia.

1" Dia.

1/8" Thick

1 1/4" Dia.

1 1/2" Dia.

1 3/4" Dia.



DELRON FLANGES

(All flanges are supplied with cork gaskets)

1127

(GRAY DELRON)

1 1/4" O.D.

2 1/2" O.D.

3" O.D.

4" O.D.

1 1/16"

2 1/8"

2 3/4"

3 1/2"

I.D.

I.D.

I.D.

I.D.





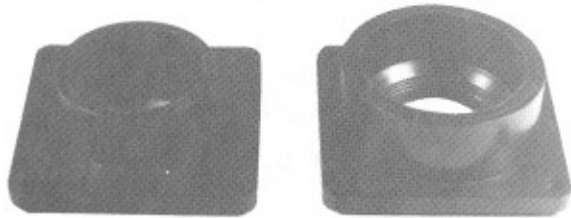
CLAMPS 1127C

1 1/4"
2 1/2"
3"
4"

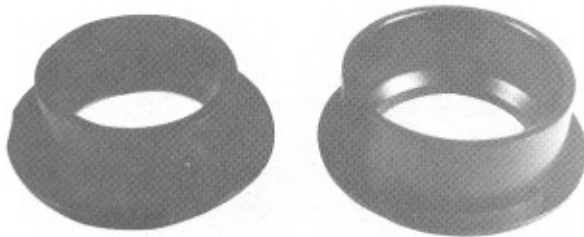
FELT LINER (CLAMP) 1127F

DISCONTINUED

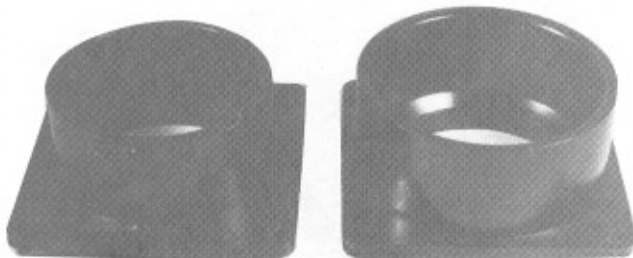
1 1/4"
2 1/2"
3"
4"



1128-1 1/2"
1 1/8" I.D. 1 7/8" O.D.



1128-2"
2 3/8" I.D. 2 3/4" O.D.



1128-3"
3 1/2" I.D. 3 1/2" O.D.

ABS / PVC FLANGES 1128

These flanges are made for use with the ABS/PVC plastic pipe which is being used for winding.

The 3 sizes are available in both Male and Female types. All are compatible with the standard ABS/PVC glues.

Use our #2009 3/16" x 1/2" x 50' Neo. Sponge Gasket for gasketing on these units. Just peel backing and apply to flange.

SOLID STATE RELAY SYSTEM KITS

We started building this type of relays back in 1969 for use in adding stops and ranks to older instruments and we found there was interest in using the misc. parts for building complete relays for old and new instruments.

The system is of modular design where you can plug the Switch boards onto the Manual and Pedal Buss boards and the Magnet Driver boards onto the Driver Buss boards. The cables also plug onto the boards for ease in servicing and future changes in the organ spec.

Each Manual and Pedal Buss (Switch Buss) Board will take 12/Switch boards each. If your spec. calls for 13/Switch boards, you will have to use 2 Buss boards.

Your Manual and Pedal Key Contact cables plug into the top end of the Manual and Pedal Buss boards. Your stop cables plug into the terminals on the left side of the Buss board. The output from the Switch boards that are across the Buss boards, comes off the top edge of each switch board which has a male plug on it. The cables that go to your Magnet Driver boards then plugs onto this plug. The system works on 10-15 VDC from the organ power supply.

We supply this equipment in KIT form to help cut costs. All P.C. boards are U.L. approved .062" Glass with all holes drilled and traces reflow solder/plated for ease in soldering parts to the boards.



SOLID STATE SWITCH BOARD

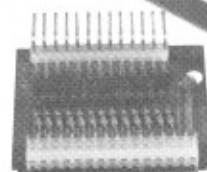
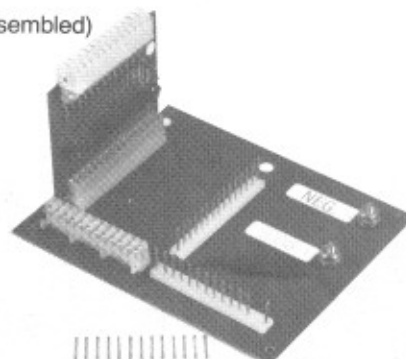
7661

(61/Note Assembled: 122-Diodes, 61-Resistors)

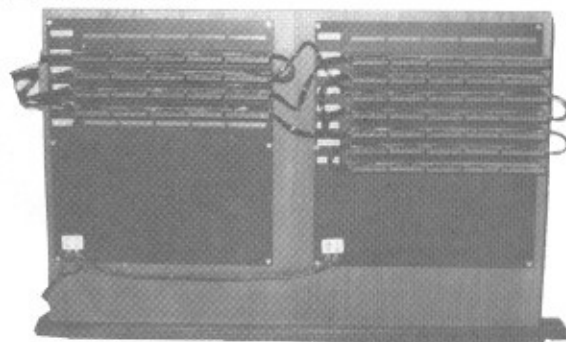
MAGNET DRIVER ASSEMBLY

785-25

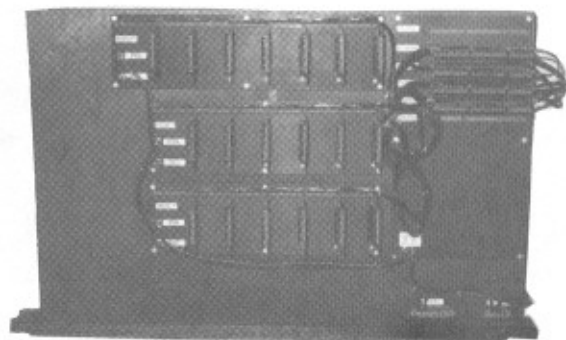
(25/Note Assembled)



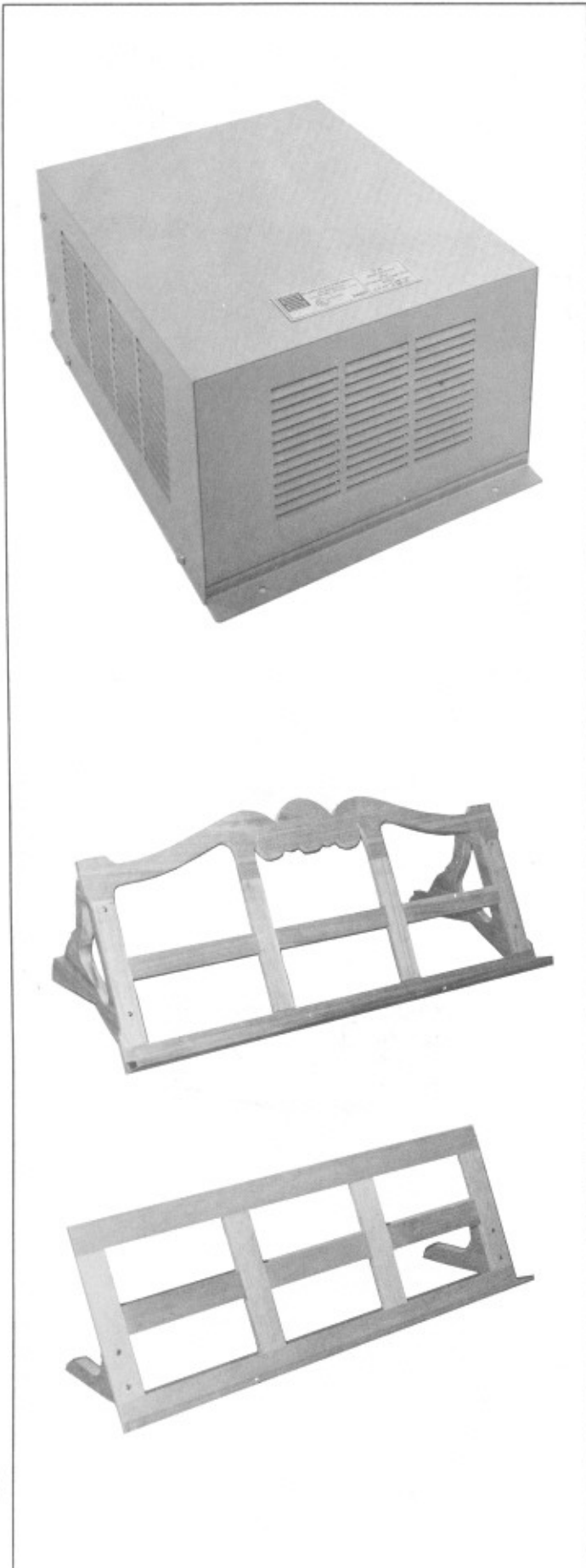
COMPLETED SOLID STATE RELAY SYSTEM



MANUAL SWITCH BUSS BOARDS AND SWITCHES



PEDAL SWITCH BUSS BOARD AND MAGNET DRIVER BOARDS



ELGIN RECTIFIER 30D

DISCONTINUED

The Elgin Model 30D is U.L. approved, and a fully regulated rectifier. This unit is designed with adjustable voltages and packaged for application in all new or existing pipe organ installations. The units may be paralleled for higher current output. This rectifier uses silicon avalanche diodes.

ELECTRICAL SPECIFICATIONS:

Input Voltage:	120/240 VAC 60 Hz \pm 10%
Input Current:	10/5 Amps
+ Output Voltage:	10/12/14/15 VDC
Output Current:	Continuous 30 Amp
Regulation:	\pm 1.2 Volts Maximum
Ripple:	3 V (RMS) Nominal
Noise:	62 dBrc (nominal)
Circuit Protection:	Output — Short Circuit Proof Input — Fused, 10 Amp
+ With Tap Changes	Shpg. Wt. 36 lbs.

WURLITZER MUSIC RACKS

(Supplied unfinished, can be finished to sample on special order.) Mahogany, Walnut, Poplar
(M) (W) (P)

1330
style #260

1330A
style "D"

WURLITZER BENCHES

(These are built to Original WurliTzer spec. and Measurements)

1340

A-Poplar
B-Mahagony
C-Walnut
D-Birch

WURLITZER 13" SNARE DRUM PLASTIC HEADS

1332 (All other sizes of snare drum heads available)
clear

1332A

white

CHROME SNARE DRUM

(Deluxe 5½" x 14" snare drum for use on trap actions)

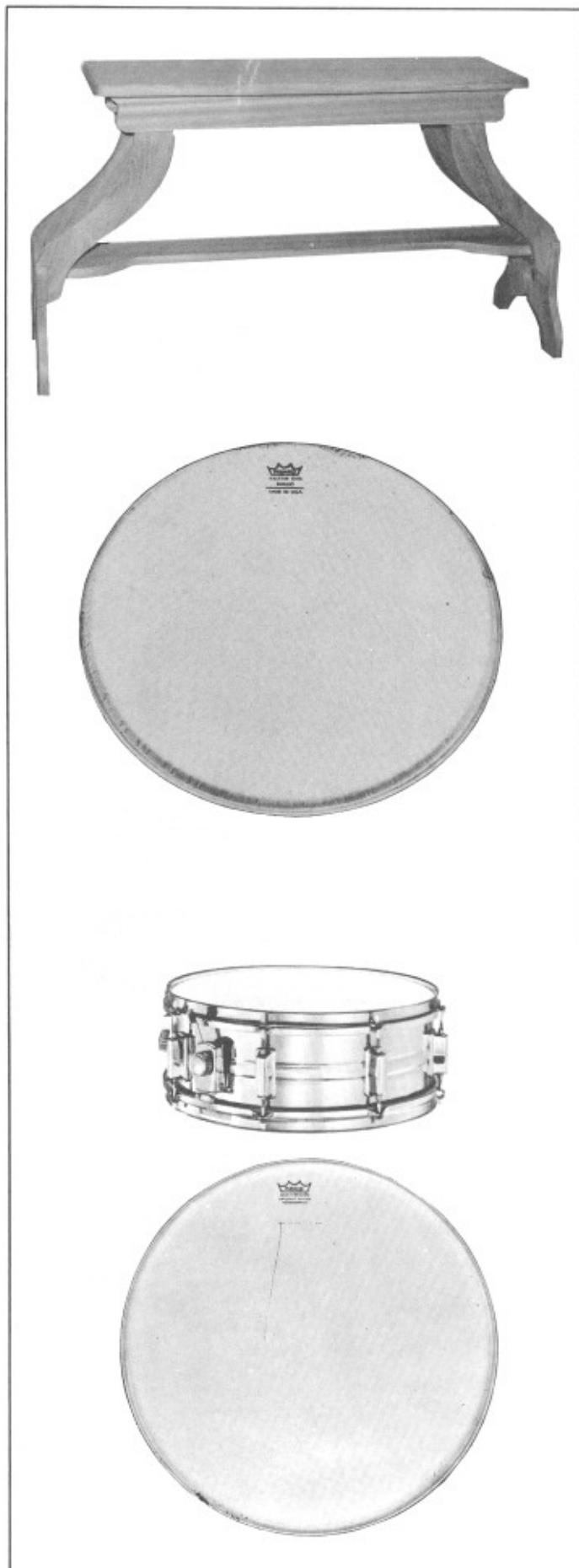
1400

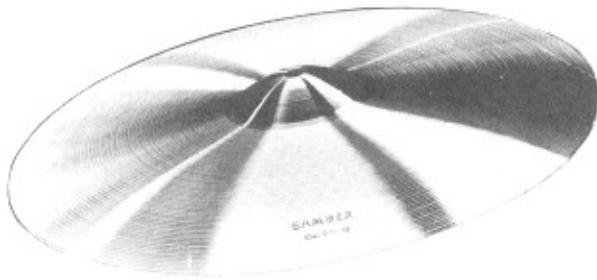
14"

WURLITZER 30" BASS DRUM PLASTIC HEADS

1133

(All other sizes of bass drum heads are available)





IMPORTED CYMBALS 1134I

10", 12", 16", 18", 22", 24" (Medium) 18" Sizzle

ZILDJIAN CYMBALS 1134Z

(Write for Zildjian Cym. weight & selection information)
10", 12", 16", 18", 22", 24", 26", 28", 30" (Paper-Thin, Thin, Medium-Thin, Medium, Medium-Heavy, Heavy)

ORGAN LEATHERS

Pneumatic

1140

This fine grained imported Natural & Tan Havana leather is used for pouches, small primaries and pneumatics. Stocked in extra thin, thin, medium and heavy weights. If possible, send sample with order. This leather is sold by the skin, but priced by the sq. ft. You pay for only the actual number of sq. ft. in each skin. All skins are marked and run 5-9 sq. ft.

1140B Brown - extra thin

1140A Brown - thin

1140C Brown - medium

1140D Brown - heavy

1140N Natural

1141

Bellows Rib (Stretched)

A white tanned leather, stretched so it can be used on the ribs of reservoirs. Sold by the skin and priced by the sq. ft. Skins run 5-9 sq. ft.

1143

Bellows Gusset

This white tanned leather is for use on the corners of reservoirs. It is soft and pliable and easy to work with on corners of the reservoir. Sold by the skin and priced by the sq. ft. Skins run 6-9 sq. ft.

1144

Alum Valve

This is a white tanned leather which has had the flesh side carefully buffed for use on valve and pallets. Sold by the skin and priced by the sq. ft. Skins run 6-9 sq. ft.

1145

Horse Hide Gasket

This is a double buffed leather for gaskets and wood pipe stopper packing. Sold by the skin of 30-45 sq. ft.

1146

Swell Shade Pneumatic Leather

This is a very soft, tough leather that is ideal for use on large action and shutter pneumatics. Sold by the skin. Skins run 16-25 sq. ft.

(Leathers cut to spec., charged according to time and material)

RUBBER CLOTH

2000

36" wide—Double texture, fleece backed, with rubber coating between fabrics. For use on high pressure shutter pneumatics.

2002

43" wide—Double texture with rubber coating between fabric. For use with Trap Actions.

2003

43" wide—Black thin rubber coated on white cloth for covering small bellow pneumatics, (xylo, glock)

2006

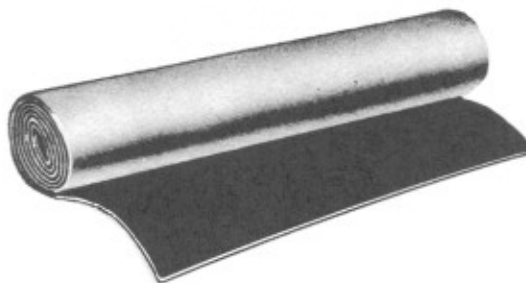
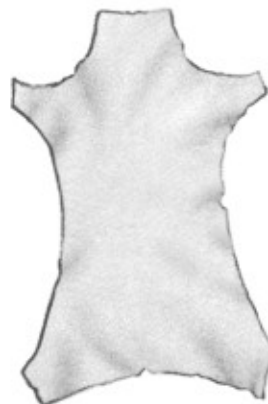
44" wide—Double textured beige polyester cloth with rubber center. Use for Trap Actions.

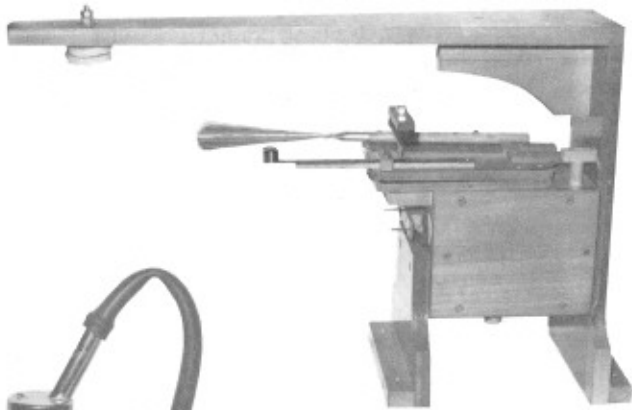
2008

44" wide—Clear Perflex E film. Sold by the yard 28" x 44", .002" thick

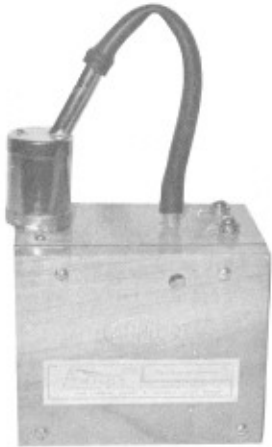
2010

54" wide—Blue Polylon, very thin Polyurethane covered nylon cloth. Excellent for Action pneumatics, (xylo, glock and chest secondaries)

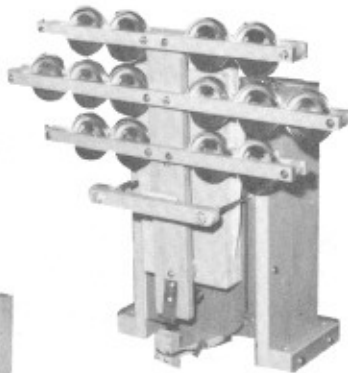




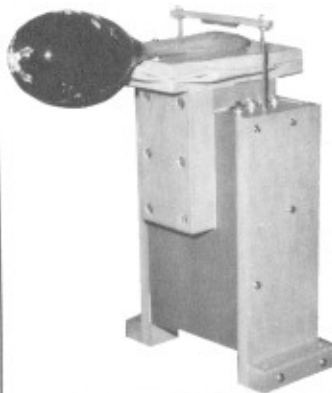
Sizzle Cym Action



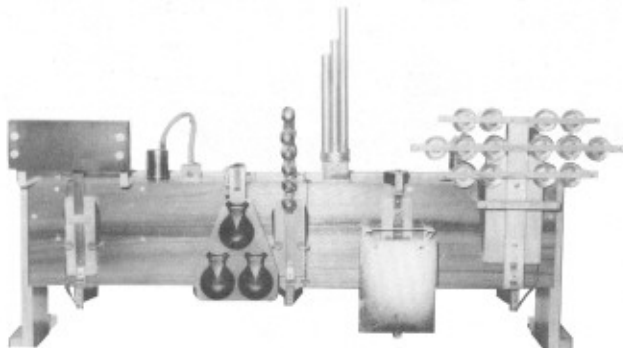
Bird Whistle and Action



Tambourine Action



Maraca Action



Trap Action

WURLITZER STYLE TRAP ACTIONS

(Custom Built)

Sizzle—Cymbal Action—(brush, tap & roll)
 Tambourine Action—jingles included
 Maraca Action—maraca included
 Crash Cymbal Action
 Brush Cymbal Action
 Tap Cymbal Action
 Sand Block or Shuffle
 Wood Block Action—block included
 Castanet Action—castanets included
 Gong Action
 Fire Gong Action—gong included
 Surf (wind)
 Snare Drum Action
 Triangle Action—triangle included
 Bass Drum Action
 Train Whistle and Action
 Bird Whistle and Action
 (Other actions built to order)

TRAP INSTRUMENTS

(for replacement use)

Crow Call Whistle
 Acme Siren (without Horn)
 Acme Siren (with Horn)
 Nightingale Call Whistle
 Duck Call
 Tugboat Whistle
 Small Bird Whistle
 Large Bird Whistle
 8" Triangle
 Wood Block
 Fire Gong
 Sleigh Bells
 Castanets
 Maracas
 Finger Cymbals
 Cow Bell

(Other trap instruments available)

PIANO ACTIONS

2050

85/Notes magnet/action

(For making an organ piano from any player piano. Two models: Upright and Grand) This action "Y's" into tracker bar, thus you can still use rolls on the piano along with playing it from the organ keys.

PIZZ RELAY

(Copy of Wurlitzer Action)

2055

61/Notes (Not shown) Size: 75" long x 7 $\frac{3}{8}$ " high x 4" deep

WURLITZER REGULATORS

2080

(These are copies of the original units, with some construction improvements) All units are built from Select Poplar with standard three (3) valve system. Regulators are mounted on wind trunk. Supplied with proper springs.

20" x 30"
26" x 35"
32" x 35"
35" x 35"

STANDARD ORGAN SUPPLY STYLE REGULATORS

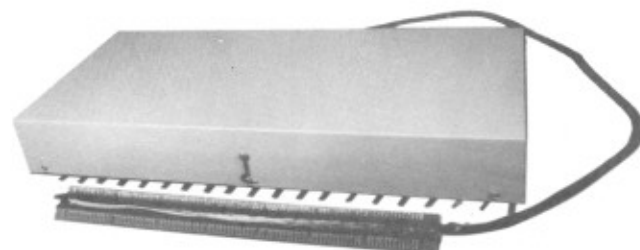
2085

(These are built with Solid Poplar side walls and plywood top and bottom. All have 10" side walls with standard curtain valve.) Supplied with proper springs.

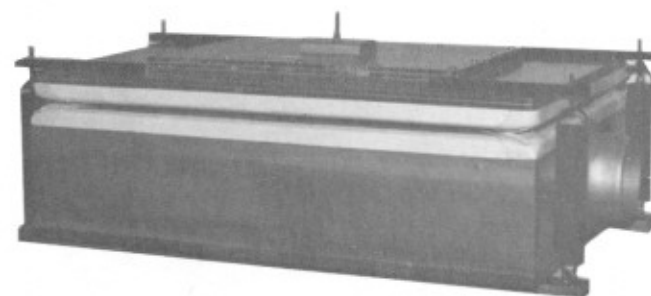
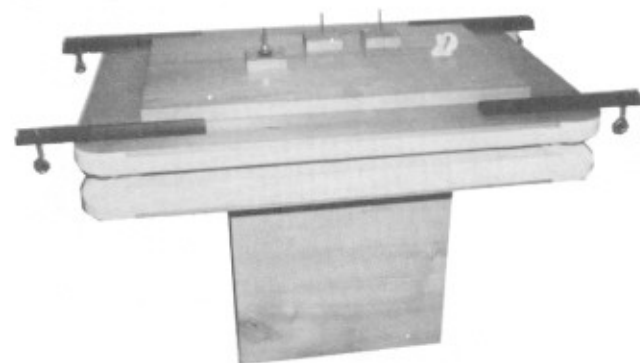
18" x 24"
20" x 30"
24" x 36"
30" x 36"
36" x 48"
48" x 60"

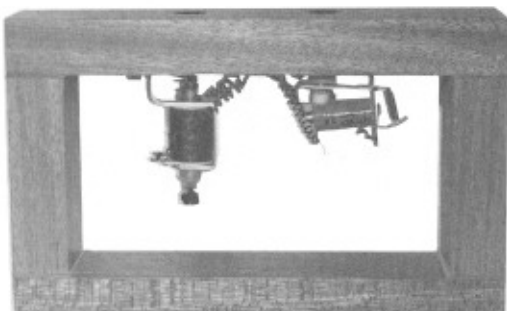
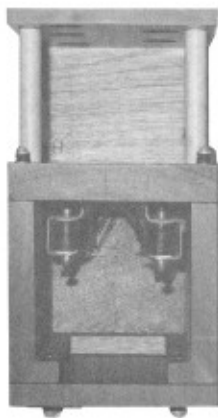
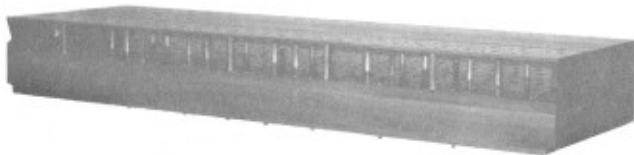


For Uprights



For Grands





FLAT TOP REGULATORS 2086

These units are of a new design that gives very good wind regulation at all pressures along with responding well to tremolo. The big difference is that all leather has been eliminated by a rectangular piece of synthetic material. We believe from past experience, this material will outlast the leather that was formerly used on hinges, gussets, etc.

PEDAL REGULATOR	24" x 30"	Manual & Pedal reg. are
MANUAL REGULATOR	30" x 48"	18 5/16" High
STATIC REGULATOR	30" x 36"	Static Reg. is 20" High
(Other sizes made to order)		

UNIT CHESTS

All of our Unit Chests are Custom built to individual requirements and can be supplied with several types of actions. When ordering a Unit chest, state the amount of space available and if the chest is to be Chromatic or Diatonic. We do have all the WurliTzer layouts for all the ranks for making copies or for matching looks, etc. All chests are built with Kiln-Dried Select Lumber with glued locked joints to our rigid standards. Rack boards are supplied center spotted for easy racking. On all our Pneumatic chests, we use primary valves (unless otherwise specified) on all pipe holes 5/8" and larger. Support frames and pipe racking can be supplied at an additional charge for time and material costs.

DIRECT ELECTRIC ACTION CHESTS 2090A

These can be supplied with either the new K/A Vertical Pallet Magnet or the Reisner #601 magnets. These are built with the same superior quality of materials and fine craftsmanship as are all our other chests and products. These are priced per note.

POUCH BOARD PNEUMATIC ACTION CHESTS 2090B

This is a standard Organ Supply style action with the pouch board built like a (T) which is mounted on the bottom board, thus when you remove the bottom board, you drop the complete action out of the chest. Our standard units are supplied with Leather Pouches, but PERFLEX-E or Polyurethane pouches can be supplied on special order. Primary valves are recommended for pipe holes larger than $\frac{5}{8}$ " dia. These are priced per note.

KILGEN STYLE ACTION CHESTS 2090C

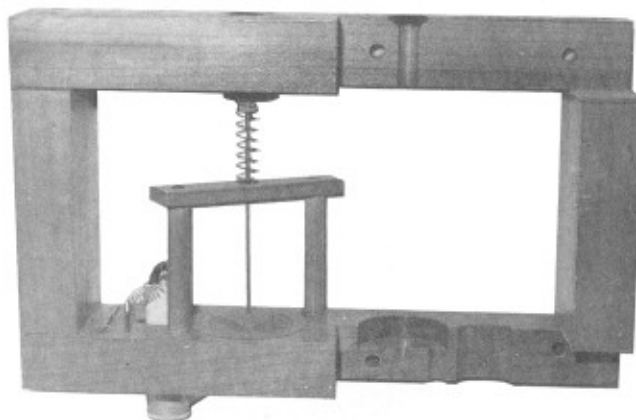
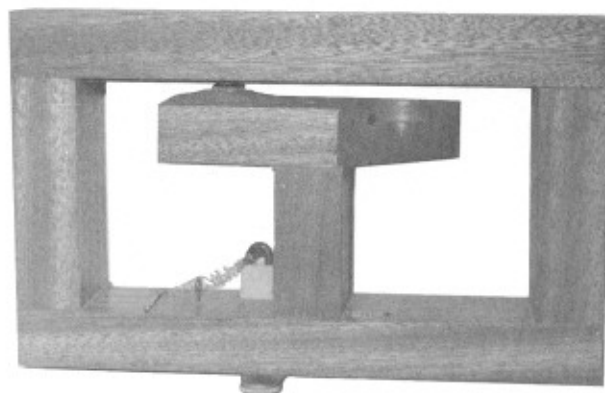
This is a copy of the famous Kilgen Action which is very fast due to the short distance between the pouch and the magnet, which is $\frac{1}{2}$ ". This lets the pouch dump very fast and with this action, all pouches and magnets are in the bottom board, thus when you remove the bottom board, you drop the complete action out of the chest. Our standard units are supplied with Leather Pouches, but PERFLEX-E or Polyurethane pouches can be supplied on special order. Primary valves are recommended for pipe holes larger than $\frac{5}{8}$ " dia. These are priced per note.

TOP NOTE CHESTS 2090D

These can be built with Direct Electric Actions or Pneumatic Actions for 12 or more notes. These are priced per note.

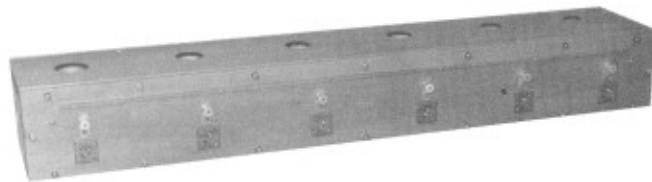
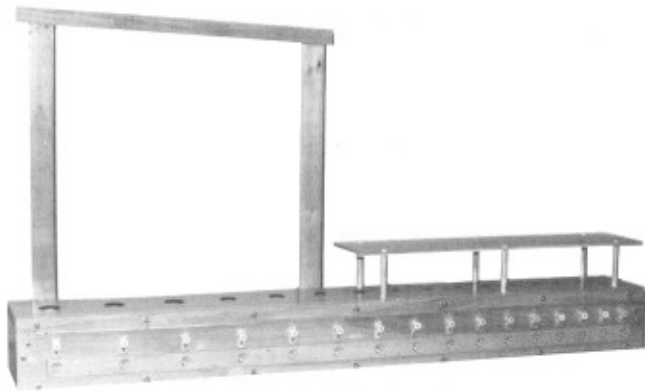
CHEST SHELLS 2090S

We can supply chest shells complete with toe boards and rack boards center spotted for use with Direct Chest Action Magnets. These are built with the same superior workmanship and materials as our other chests and actions. These are priced per note.



Not Shown





PEDAL & OFFSET CHEST ACTIONS 2091

Our standard layout for pedal chests is 6 notes in one section, 12 notes in one section and 24 notes in two sections. These actions can be built with any number of notes in a section to fit space available. These are priced per note.

8' Direct Electric or Pneumatic

16' Direct Electric or Pneumatic

KIMBER/ALLEN MAGNETS K/A-100

$\frac{7}{8}$ " Dia. 100 OHM coil
1 $\frac{1}{4}$ " Dia. 100 OHM coil

DISCONTINUED

The speed of the opening and closing of the pallet (to give correct speech) is controlled by a unique air dampening method which is readily adjustable. When this is properly adjusted, you can not tell that this is not a pneumatic action in the chest etc.

The solenoid magnet is precision made with a polished chromium plated armature pole sliding smoothly and silently in a special fine bore brass tube.

The magnet coil of a 100 OHMs resistance gives a powerful action using 12 - 15 volt D.C. supply for all pressures up to 12". The magnets can be used on pressures up to 15" by using 18 volt D.C. supply.

Pallet sizes available are $\frac{7}{8}$ " and 1 $\frac{1}{4}$ " diameter which covers all normal requirements. The pallet mounting is flexible so it gives an oscillating movement for correct seating. The unit has a simple one screw fixing through a keyhole slot and the main frame is so designed to avoid any movement when screwed into position.

All metal parts are fully protected by electro plated finish.

DIODES

7001

1N4148 Signal Switching

7002

1N4001 1 AMP 50 PIV.

NEW WURLITZER STOP RAILS

(Laminated to $\frac{3}{4}$ " thick from $\frac{1}{8}$ " stock)
(Can be supplied in Mahogany, Birch and Walnut)
(Others made to order)

1430A

2/Manual

1430B

3/Manual

1430C

4/Manual

1430D

5/Manual

BACK RAIL AND ACTION

Custom Actions built to order

WURLITZER KEYCHECKS

(Poplar, Mahogany, Walnut)

1630A

2/Manual

1630B

3/Manual

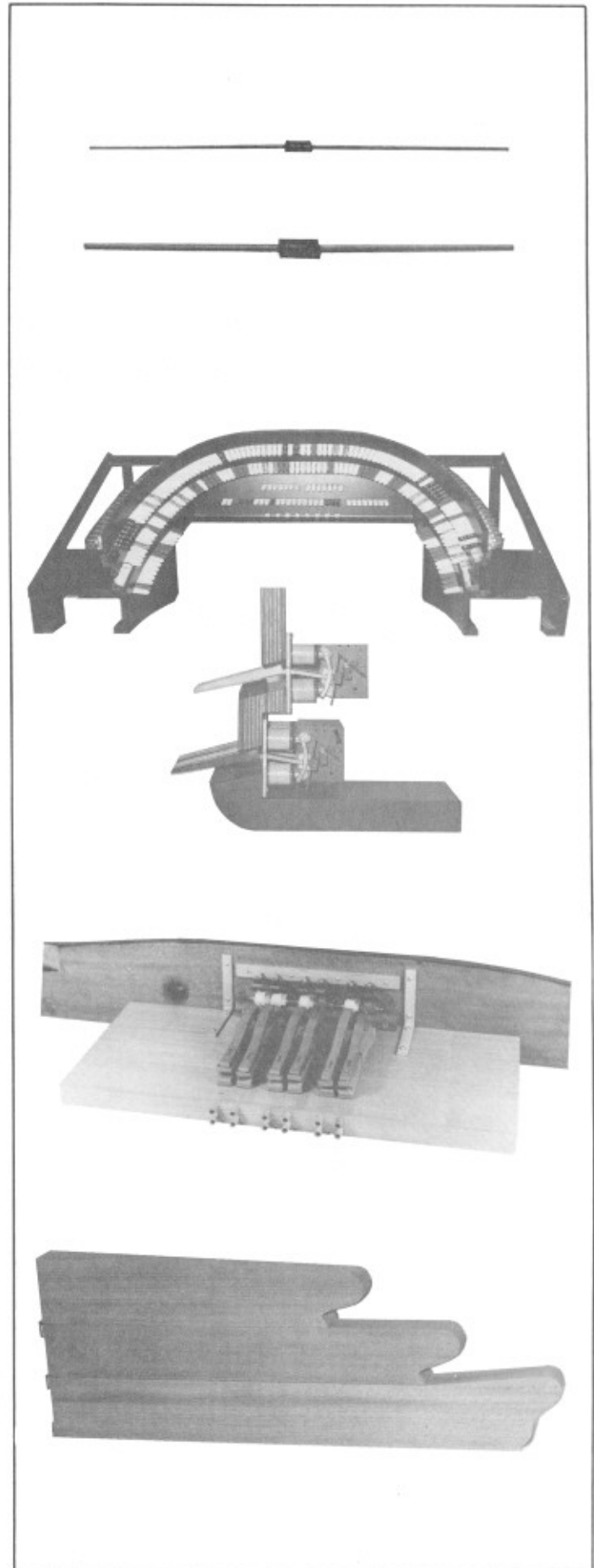
1630C

4/Manual

1630D

5/Manual

(Other designs made to order)



CUSTOM CONSOLES

1550

Our console department is set up to make all types of consoles for both Theatre Organs and Church Organs from two (2) to five (5) manuals. We have templates and fixtures for all our standard designs, but we can supply console shells built to other designs on special order.

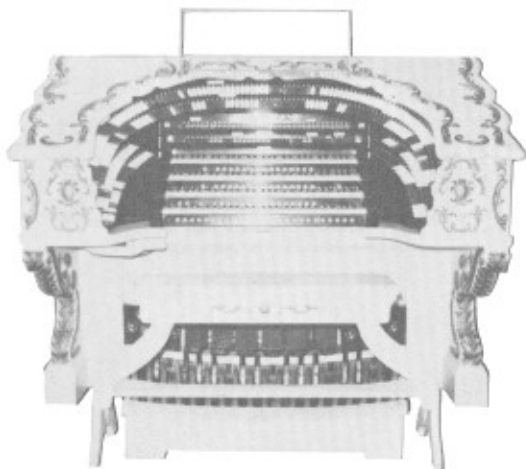
Theatre 2-3-4-5 Manual
Church 2-3-4 Manual



Wurlitzer Style



Special Design



Wurlitzer Style



Church Style

32 NOTE PEDAL BOARDS 1632

Our 32/note Pedal Board is built to standard A.G.O. (American Guild of Organists) measurements. It is both concave and radiating and is sprung with flat tension springs on the heel of each pedal. Toe end of keys are felted with guides on each key. Natural caps are made of straight grain select maple with a clear durable finish. Sharps are a durable, hard black plastic. 53½" wide x 36" deep x 10¾" high. Oak, Birch, Walnut and Mahogany frames available. Supplied un-finished.

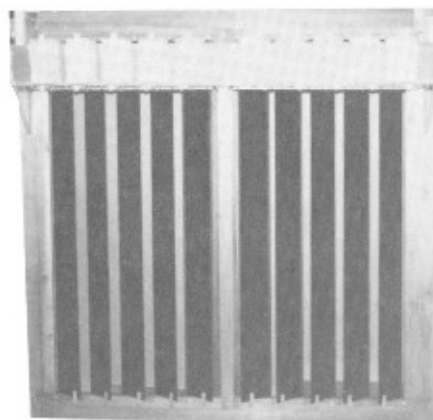
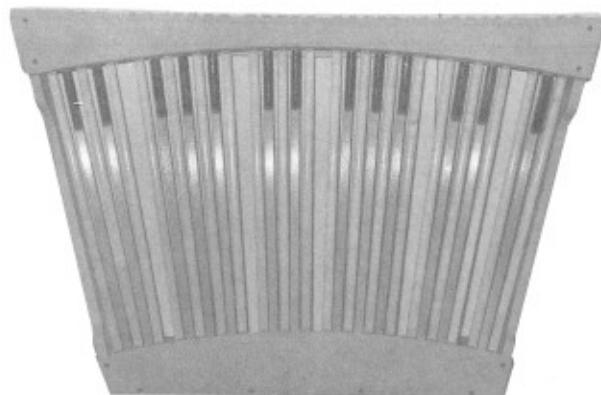
SHUTTERS 1635

We now have made available to the trade our newly designed Aluminum Swell Shutters. We use these on new instruments of our own manufacture and find that they are far superior to the old laminated wood shutter of the past.

Our new shutters are made with a .025" Alum. outer shell which will not warp or twist with age. In this shell we seal a full 2" of Styro-Foam to make the shutter blades as light in weight as possible and also give us better control of sound. We have found we also get some reflection of sound off the Alum. shell and this also helps keep the sound in the chamber when the shutters are closed, therefore, giving us more expression than was possible with the old solid laminated wood shutters.

All shutters (Vertical or Horizontal) are mounted on ball bearings for easy movement along with being double felted to insure quiet operation on low or high wind pressures. Our standard finish is Satin Black but can be supplied in natural aluminum or covered with Walnut, Teak or Oak Vinyl to simulate wood, etc., on special order.

Shutters can be supplied in any length from 2 ft. up to 8 ft. long. The price of shutters is determined by the outside measurements of the shutter frame, so send us all needed details along with a simple rough sketch of the operation and overall size of the shutters and frame.



Not Shown



INDIVIDUAL SWELL SHUTTER ACTIONS 1635A

We manufacture custom made individual type swell actions for use on our Aluminum Swell Shutters and also other makes of shutters. This type of action works on all pressures and makes a very even control of the swell shades. Each action has a wind control valve that adjusts the speed in which the action moves, therefore, shutter checks are not needed to keep shutter blades from slamming closed. Actions can be supplied to either open or close when wind is turned off. These are built to be mounted on the shutter frame, so it is best to order the actions for use with our Alum. Shutters at the same time the Shutters are ordered. If you want to use our actions on other shutters, please send us details along with a simple rough sketch of your frame and shutter blades. The price of units is figured on the number of actions needed.

CONSOLE LIFTS 7052

We have at last found the answer to the problem of getting the organ console up out of the pit so people can see the organist etc. These lifts come in all styles and sizes and are custom built just for your needs. If you are interested in this type of unit, write us giving size of platform you want, amount of vertical travel you want etc., and we will get a quote figured and sent back to you.

ECHO CHAMBER / REVERB UNIT EC-80

DISCONTINUED

Everyone with a home organ installation should have an Echo like this to add life to their dead room. This unit is built on a "tape cartridge" principle and is available at a price which should enable every organ owner to have one as part of his installation.

An Electro-Servo Motor is utilized for speed variation.

This Tiny Unit can be used with microphones having either high or low impedance matching and can also be plugged directly into the output of an electronic organ. We have used these units and find they are a great piece of equipment for the price.

SPECIFICATIONS:

2 Inputs — Hi & Lo
2 Outputs — Hi & Lo
On/Off Switch
Pilot Light
Echo Volume Control
Echo Balance Control
Echo Delay Control
External Switch Jack
Fuse
SIZE: 5" x 10 $\frac{1}{2}$ " x 6 $\frac{1}{4}$ "
Shpg. Wt. 8 lbs.

OPTIONAL:

Model TC-1 Spare Tape Cartridge

SILENT SUCTION UNIT

for Player Pianos

6050

Our Silent Suction Unit can be installed in the average player in twenty (20) minutes or less. Adjustable vacuum and re-roll control is supplied with all units and permits control of piano volume and re-roll speed. Our system also permits foot-pumping with pedals when desired. We have four (4) models to meet the requirements of almost any player ever made.

6050-1 DISCONTINUED

For the average older player or rebuilt player. The best choice for most electrification jobs.

6050-2 DISCONTINUED

Provides more power for harder-to-pump pianos and for reproducing pianos.

6050-3

This one is for the really hard-pumpers and will even handle those that can no longer be made to play by foot-pumping.

6050-4 DISCONTINUED

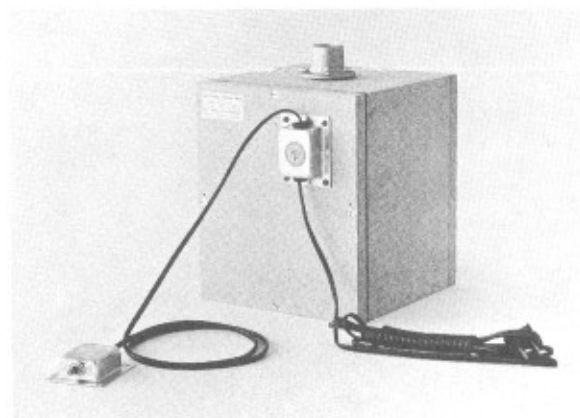
This is a smaller unit designed just for new pianos such as the Pianola, Hardman Duo, etc., and for the really easy-pumping rebuilt older pianos.

CONSTRUCTION:

Parts and materials used are the very best quality obtainable. The special motor and fan assemblies are precision balanced and resilient mounted to prevent any vibrations from being transmitted to the piano. These units are well made and will provide many years of trouble-free service. 9" high x 7½" wide x 7½" deep.

PARTS:

Flanges, flexible tubing, hardware, 10/foot line cord and under-keyboard switch (wired into the unit) are all supplied, together with detailed instructions for installation. There is nothing else to buy.



METHOD OF FIGURING WIND (C.F.M.) REQUIRED FOR ORGANS

UNIT ORGAN Rank of 61 pipes count as 1 stop. (One)
 Rank of 73 pipes count as 2½ stops (Two and a half)
 Rank of 85 pipes count as 3¼ stops (Three and a quarter)
 Rank of 97 pipes count as 3¾ stops (Three and three-quarters)

STRAIGHT ORGAN Rank of 16' pitch count as 1½ stops (One and a half)
 Rank of 8' pitch count as 1 stop (One)
 Rank of 4' pitch count as ¾ stop (Three-quarters)
 Rank of 2' pitch count as ½ stop (Half)

SUB-COUPLER counts as two thirds of the total value in stops of the rank on which it works.

SUPER-COUPLER counts as one third of the total value in stops of the rank on which it works.

WIND REQUIRED After figuring the value, in stops, of the rank of pipes, the total c.f.m. required by the organ is found as follows:

TRACKER ACTION Multiply number of stops by 25
 PNEUMATIC ACTION Multiply number of stops by 30
 ELECTRIC ACTION Multiply number of stops by 25

EXAMPLE

STRAIGHT ORGAN Swell — 10 Ranks Swell, Sub and Super Couplers (playable in full organ),
 Great — 10 Ranks usual Inter-manual Couplers. Pneumatic Action.
 Pedal — 2 Ranks

Swell	1 x 16' counting as 1½ stops	
	5 x 8' counting as 5 stops	
	2 x 4' counting as 1½ stops	
	2 x 2' counting as 1 stop	9 stops
Great	10 x 8' counting as 10 stops	10 stops
Pedal	2 x 16' counting as 3 stops	3 stops
Swell	Sub-Coupler counting as 6 stops	
	Super-Coupler counting as 3 stops	9 stops
		Total 31 stops

Wind required = 31 x 30 = 930 c.f.m. (For Tracker Action the wind required would be 31 x 25 = 775 c.f.m.)

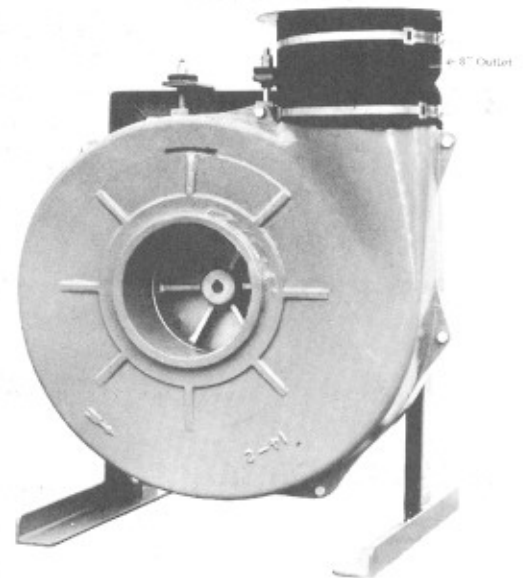
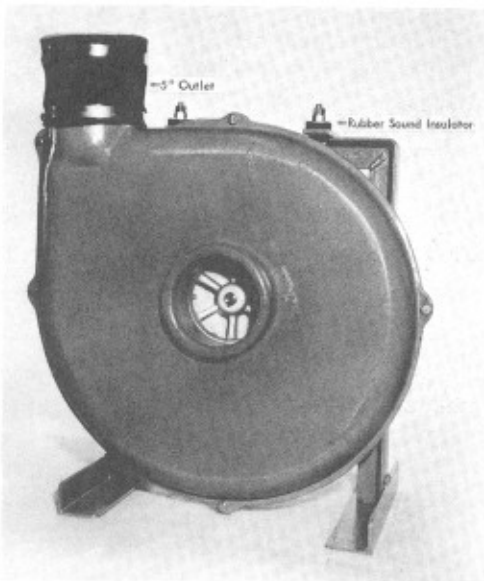
IMPORTANT Due allowance should be made for excessive wind leakage, small reservoir, sprung reservoir, small windways and large scaling.

CAPACITY OF BLOWERS

WIND PRESSURE	NUMBER OF STOPS HORSE POWER OF MOTOR												Cu. ft. per av. stop
	¼	⅓	½	¾	1	1½	2	3	5	7½	10	15	
3"	7	11	14	20	25	33	40	55	90				45
3½"	5	8	11	15	20	27	34	46	70	102	140	210	50
4"	4	7	9	12	16	21	28	38	60	90	111	170	54
4½"		6	7	10	13	18	24	32	50	73	100	150	57
5"		5	6	8	11	15	20	28	42	61	83	125	60
6"			4	6	8	12	15	23	35	50	69	90	65
7"			3	5	6	9	12	18	28	40	53	80	68
8"				3	4	6	8	13	21	30	42	63	73
10"				2	3	4	6	9	16	22	31	48	80
12"					2	3	5	7	12	18	24	36	85
15"							4	5	10	15	20	30	90

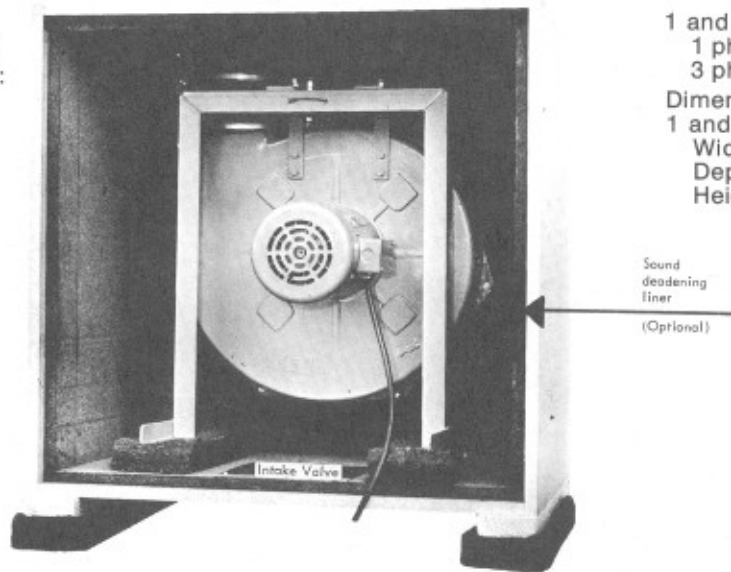
ZEPHYR SUPER QUIET BLOWERS

Cast Aluminum Housing
Single Stage



1/2 H.P. model
1 phase, 115/230 Volt
Dimensions of Enclosure:
1/2 H.P. model
Width: 24"
Depth: 19 1/8"
Height: 24 3/4"

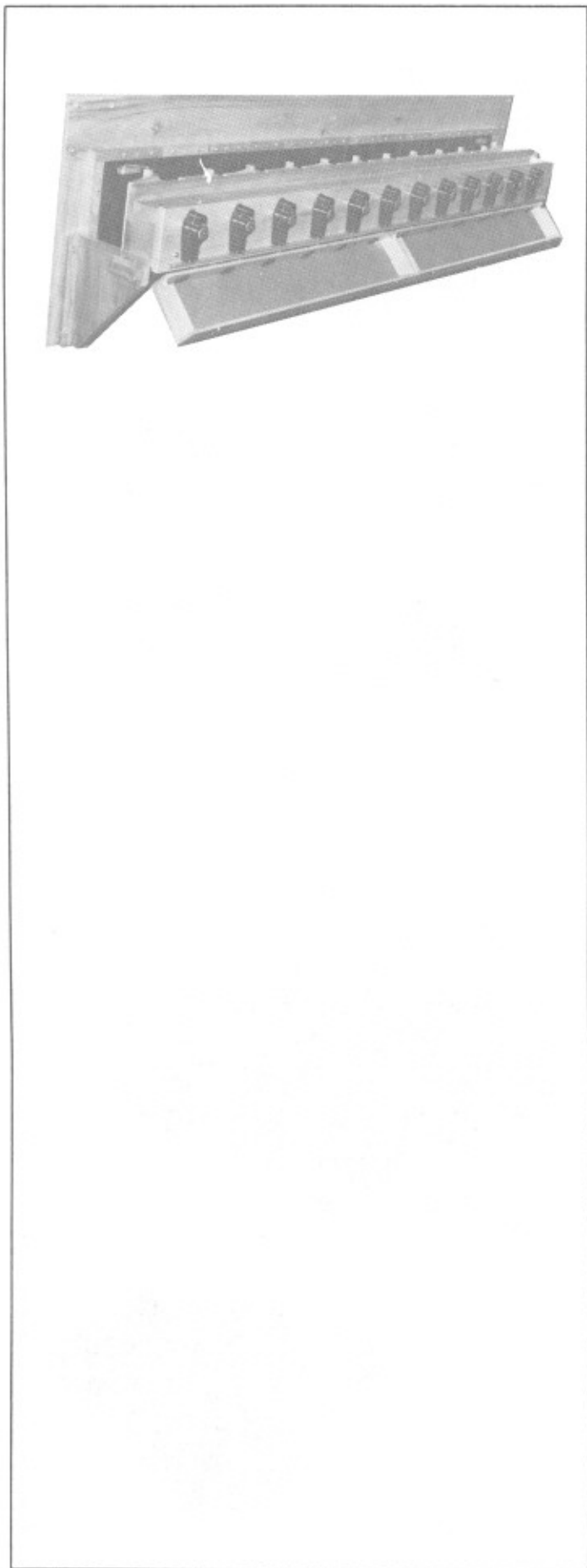
1 and 1/2 H.P. models
1 phase, 115/230 Volt
3 phase, 230/460 Volt
Dimensions of Enclosure:
1 and 1/2 H.P. models
Width: 32"
Depth: 25 1/2"
Height: 35"



Enclosure: With Sound deadening liner.

H.P. 3450 R.P.M.	AIR CAPACITY	STATIC PRESSURE	OUTLET (top or side) bottom	WEIGHT (blower & enclosure)
1/2	480 CFM @ 3" 440 CFM @ 3 1/2" 400 CFM @ 4"	6"	5"	
1	1055 CFM @ 3" 995 CFM @ 3 1/2" 865 CFM @ 4"	7 1/2"	8"	240 lbs.
1 1/2	1315 CFM @ 3" 1220 CFM @ 3 1/2" 1165 CFM @ 4"	8 1/2"	8"	250 lbs.

BLOWERS ARE COMPLETE WITH MOTOR, RUBBER WIND SOCK, TWO COLLARS, FELT PADS.



COMPOUND MAGNETS

The A. NOTERMAN LTD. compound magnet has a Built-in Primary Valve and Pouch for use in Shutter Actions, Stop Actions, Pull Actions for Slider Chests, Percussion & Trap Actions, Chests or any application where you need to either EXHAUST or BLOW a pneumatic or pouch in an action. The units are available in four (4) sizes: $\frac{3}{8}$ " - $\frac{9}{16}$ " - $\frac{3}{4}$ " - 1" in either the Exhaust or Blow style.

A. NOTERMAN LTD.

Alphonse Noterman, founder of the firm, was born in Belgium in 1868. He was apprenticed to the local organ builders Annessens. There was at this time great progress in European organ building and Alphonse became very interested and involved with the pneumatic and electro-pneumatic actions.

While with Annessens he came to England in 1886 to help install the new organ at the Italian Church, Hatton Garden, London and returned several times for other installations. He obtained the post of head draftsman with the Paris firm of Cavallé-Coll where he became friends with the foreman, August Gern.

During his years with Annessens, Alphonse had designed an action with a Compound Magnet chest action and re-applied this to the Cavallé-Coll system. (The original drawing is still held by the Noterman company.)

In 1894 Alphonse left Paris to join August Gern in England as the manager of the new company that Gern had formed in London. While with Gern he met Robert Hope-Jones who granted a license to August Gern to use the Hope-Jones system. 1898 saw the opening of the new factory by Alphonse Noterman who was 30 years old. He aimed for quick and efficient actions through the means of electricity. One of his first installations was at Christ Church, Watney Street, London.

The Noterman electric action became more popular and the firm expanded with the two brothers of Alphonse joining him from Belgium. They manufactured magnets for Hope-Jones as well as their own products. The shape of the Noterman magnet, which was rectangular, must have influenced Robert Hope-Jones; because on arriving in the United States, Hope-Jones discontinued his oval magnet in favor of the popular rectangular shape. (Working examples still survive in England of the original oval, turned-wood Hope-Jones and the rectangular wood Noterman magnets.)

After Hope-Jones went to the U.S.A. in 1903, he invited Alphonse's brother August Noterman to come and join his firm at Elmira, New York. He did and took his son who worked with him. They went on to work for Wurlitzer after the merger of the two companies. Alphonse continued to manufacture his electrical system and also took on specialized work for other firms. They developed a trade outlet through Thomas Harrison, the part makers, who were in North London and who made turned ivory parts and action components for the trade. Alphonse Noterman died in April 1919. He was survived by three sons who had come into the business and the firm continued to expand in the electrical component field.

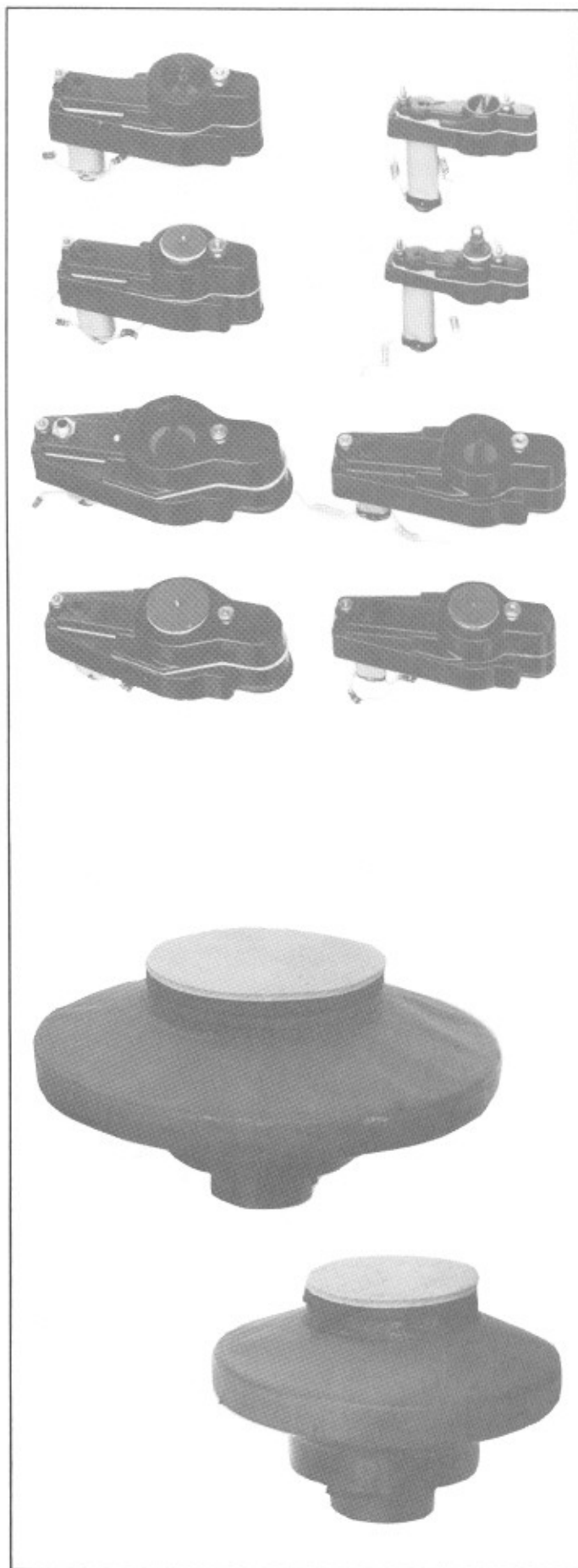
After the 1909 invention of Dr. Leo Baekeland of Yonkers, N.Y., of "BAKELITE" which was the first synthetic resin and the world's third plastic discovery, the firm saw the new compression molders when they reached the U.K. and as a result bought a Bakelite compression molding machine (which is still in use). Molds were made to replace the wood and metal-based chest and compound magnets and other items were added to the line. This type of work still continues and the replacement of "Wurlitzer" chest magnet of the late pattern has been manufactured now for several years by A. NOTERMAN LTD.

COMPOUND MAGNETS

All sizes are molded BAKELITE which will last indefinitely and give many years of good service. All units have precision wound coils on molded bobbins and Swedish Iron Cores. Standard coils are 180 ohm. Units will work with repetition on pressures of 1" to over 25" wind.

Design Patents date back to 1881 on these units.

- #8 - $\frac{3}{8}$ " (Exhaust) Compound Magnet
- #8A - $\frac{3}{8}$ " (Blow) Compound Magnet
- #18 - $\frac{9}{16}$ " (Exhaust) Compound Magnet
- #18A - $\frac{9}{16}$ " (Blow) Compound Magnet
- #19 - $\frac{3}{4}$ " (Exhaust) Compound Magnet
- #19A - $\frac{3}{4}$ " (Blow) Compound Magnet
- #20 - 1" (Exhaust) Compound Magnet
- #20A - 1" (Blow) Compound Magnet

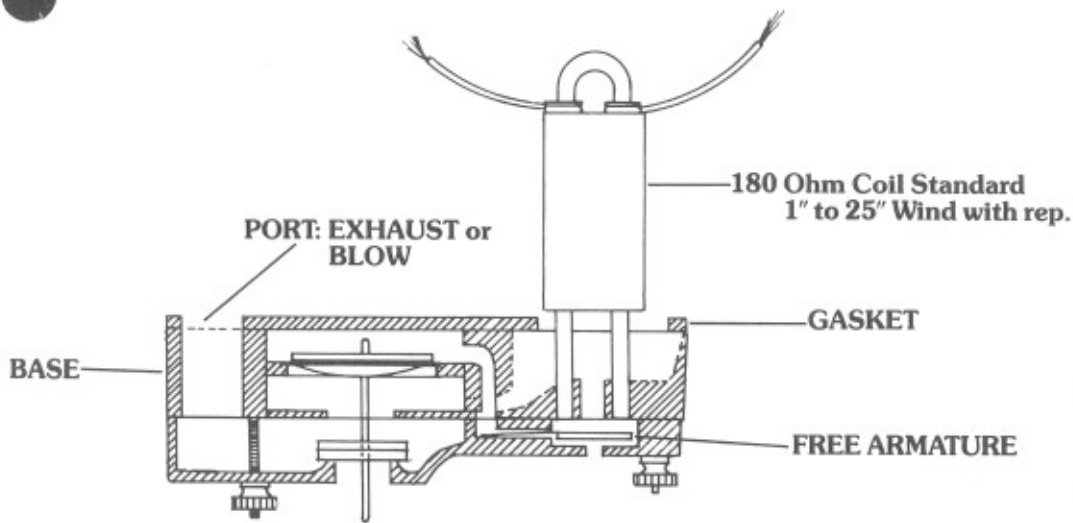


BAKELITE CUP MOTORS

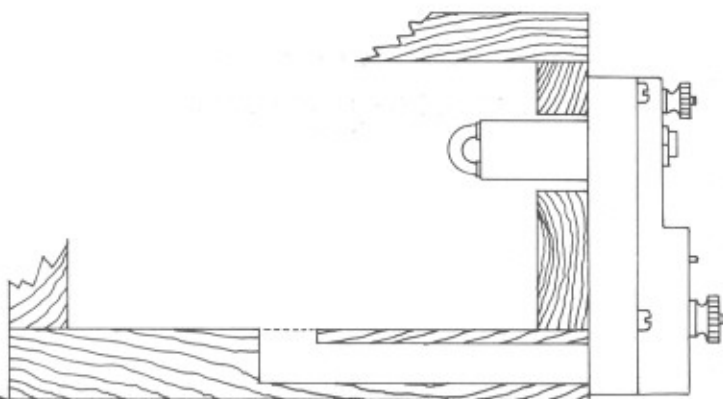
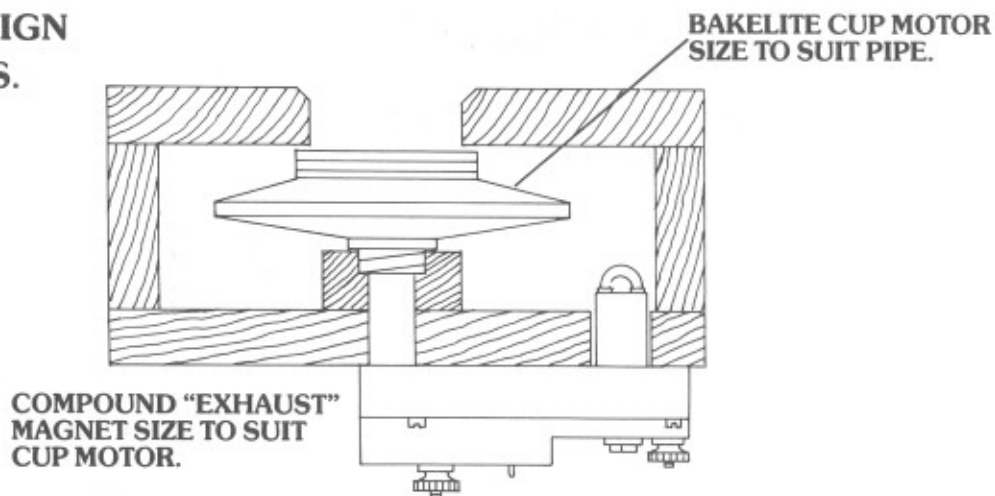
The A. NOTERMAN LTD. Bakelite Cup Motor units are made to go along with the Compound Magnets and Chest Magnets in building Offset and Manual Chests. The 4" Cup Motor is supplied with a 2" dia. valve which will take care of most 16' Bourdons, etc. The units have been tested on pressures as low as 2" wind and as high as 18" wind with good repetition. The units are molded out of BAKELITE which will last indefinitely and will give many years of good service. Brown Leather is standard on all units. These units were used by the COMPTON ORGAN CO. in England in building their UNIT chests.

- 4" Dia. Cup Motor (Use #18 $\frac{9}{16}$ " Compound Magnet)
 - 2 $\frac{1}{4}$ " Dia. Cup Motor (Use #8 $\frac{3}{8}$ " Compound Magnet)
 - 1 $\frac{3}{4}$ " Dia. Cup Motor (Use #8 $\frac{3}{8}$ " Compound Magnet)
 - 1 $\frac{1}{8}$ " Dia. Cup Motor (Use #2 $\frac{1}{4}$ " Chest Magnet — High Pressure)
(Use #4 $\frac{5}{16}$ " Chest Magnet — Low Pressure)
- COMPOUND MAGNETS

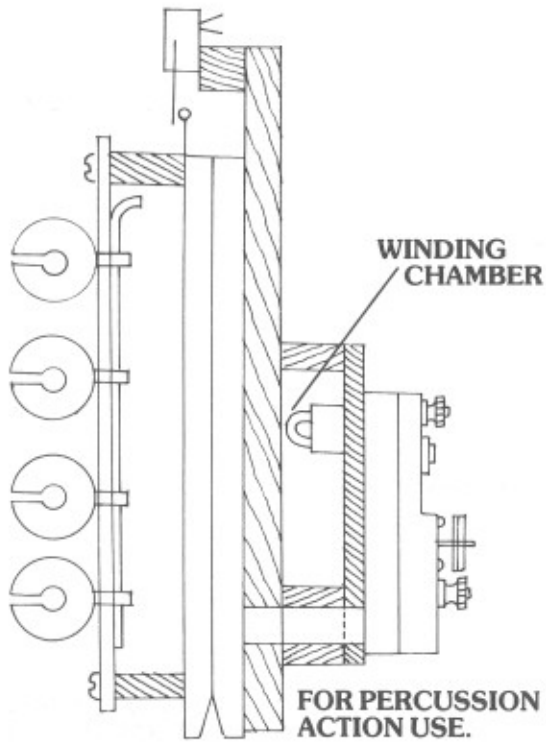
A. NOTERMAN COMPOUND MAGNET



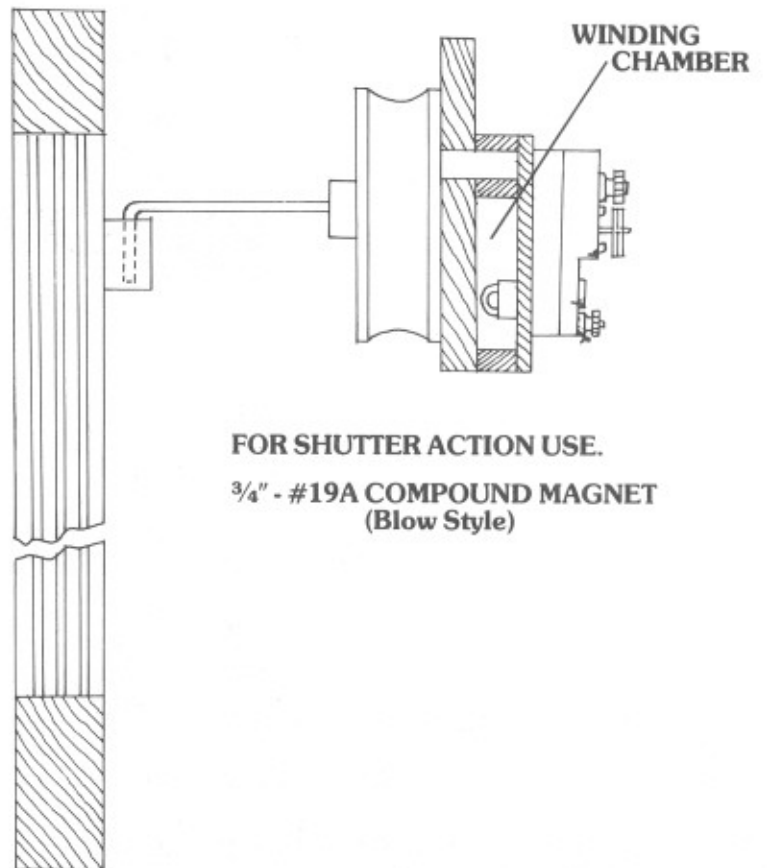
PEDAL AND OFFSET CHEST DESIGN USING COMPOUND MAGNETS.



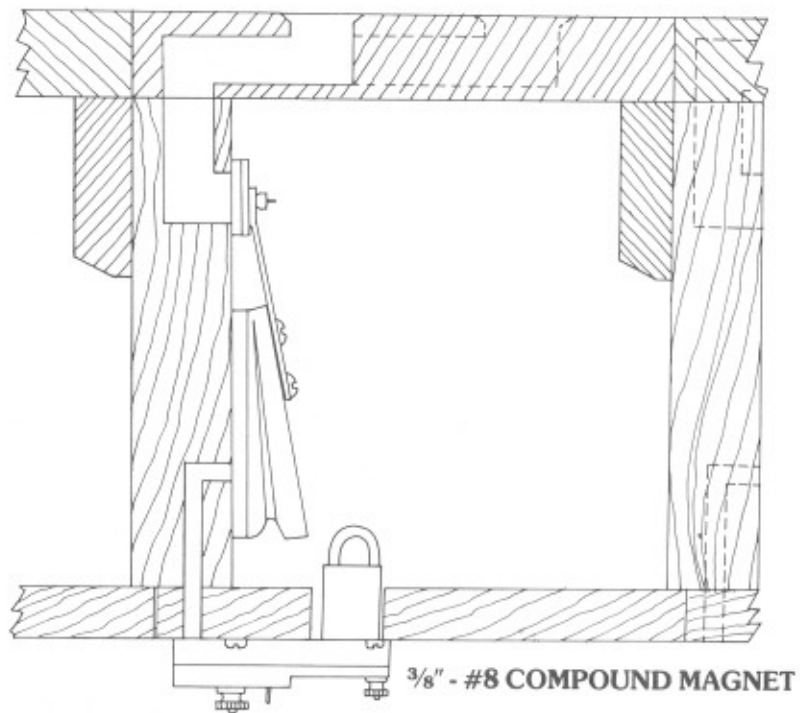
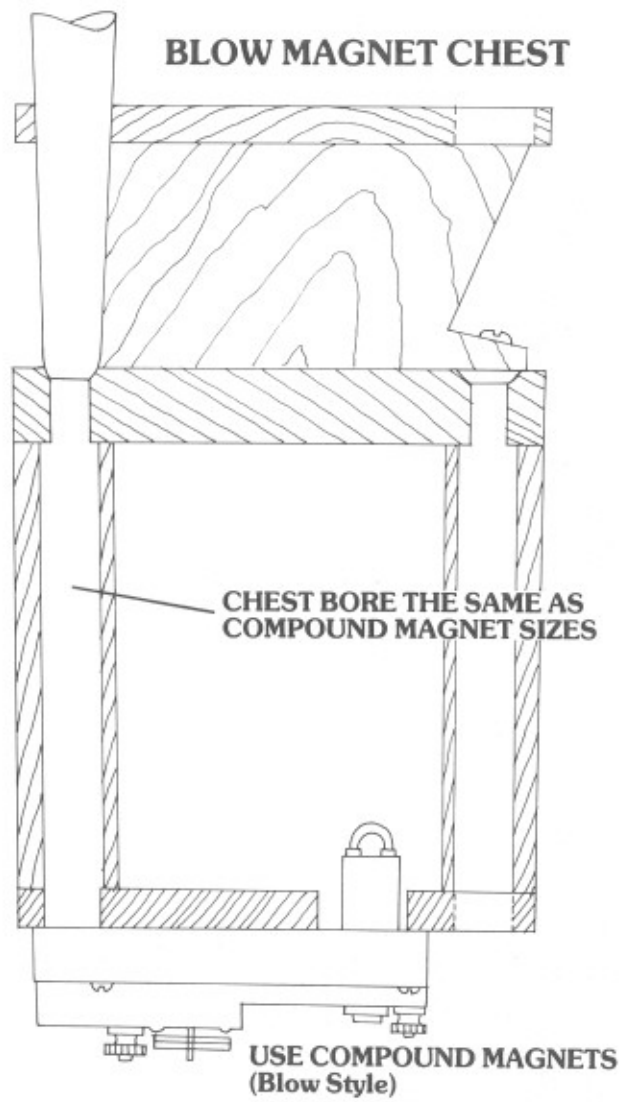
ALTERNATIVE POSITION FOR COMPOUND MAGNET
SO CHEST CAN SET ON FLOOR.



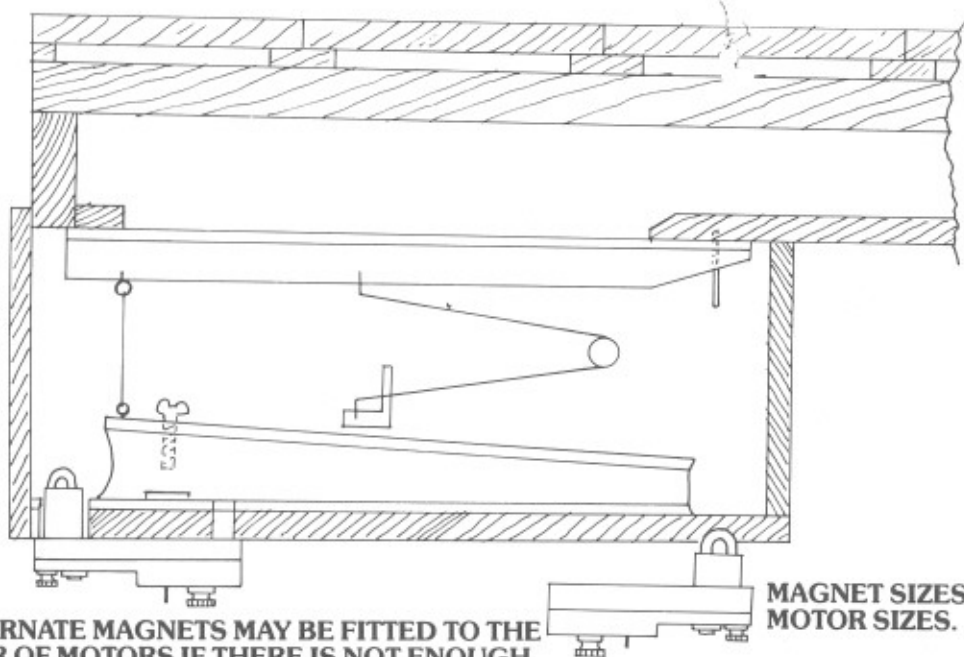
**1/16" - #18A COMPOUND MAGNET
(Blow Style)**



**FOR SHUTTER ACTION USE.
3/4" - #19A COMPOUND MAGNET
(Blow Style)**



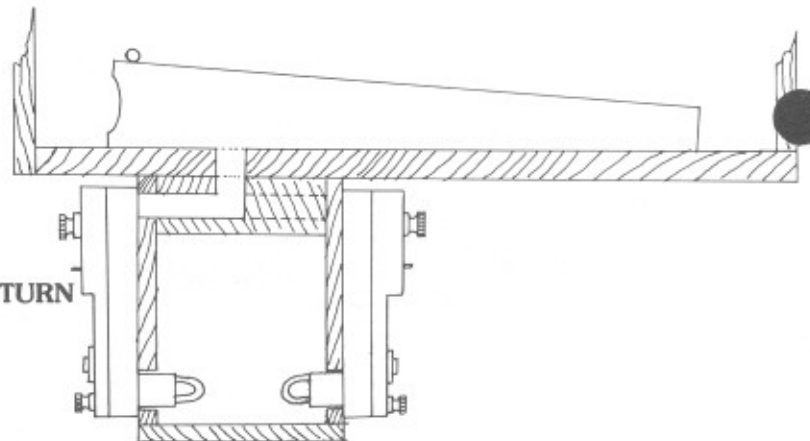
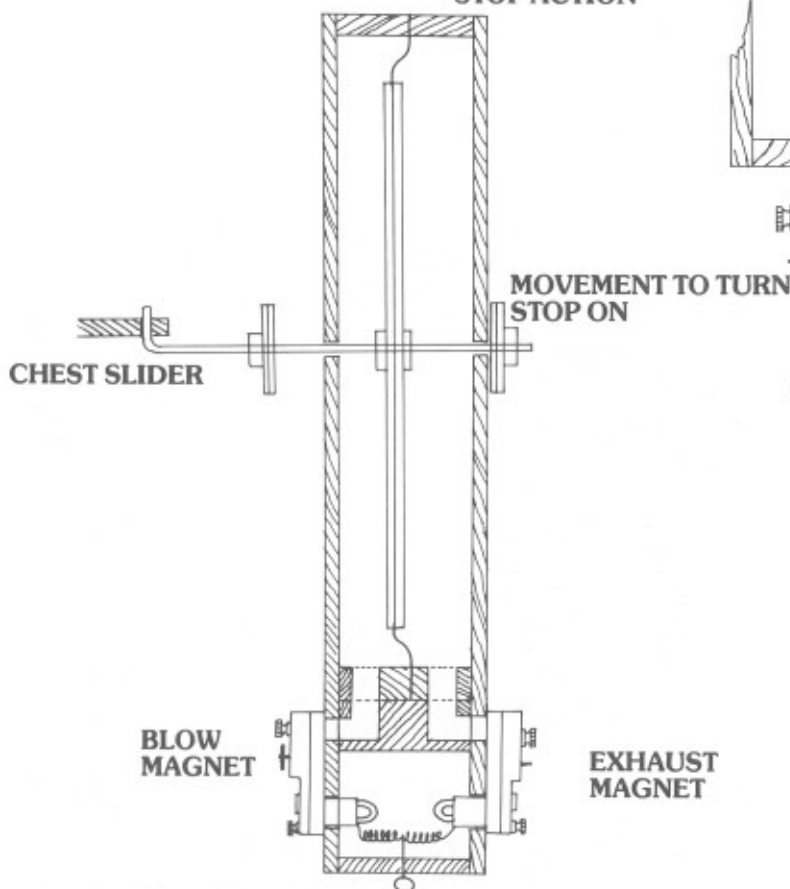
COMPOUND MAGNETS USED TO ELECTRIFY STRAIGHT CHESTS AND TRACKER CHESTS.



ALTERNATE MAGNETS MAY BE FITTED TO THE REAR OF MOTORS IF THERE IS NOT ENOUGH ROOM BETWEEN CENTERS ON THE FRONT SIDE.

MAGNET SIZES TO SUIT PALLET AND MOTOR SIZES.

DOUBLE ACTION SLIDER CHEST STOP ACTION



ALTERNATIVE APPLICATIONS WHERE THE EXISTING HOLE CENTERS DO NOT ALLOW THE MAGNETS TO BE INSTALLED DIRECTLY ON THE BOTTOM BOARD OR NO ROOM EXISTS FOR THE MAGNET POLE PIECES BETWEEN THE MOTORS AND COVER BOARD.

MAGNET SIZES TO SUIT PALLET AND MOTOR SIZES.

MAGNETS ARE WIRED TOGETHER TO OPERATE IN UNISON.

$\frac{3}{4}$ " COMPOUND MAGNET on Standard Size Actions.

1" COMPOUND MAGNET on Large Actions or Faster ON-OFF Action.

TOP NOTE MAGNET 22

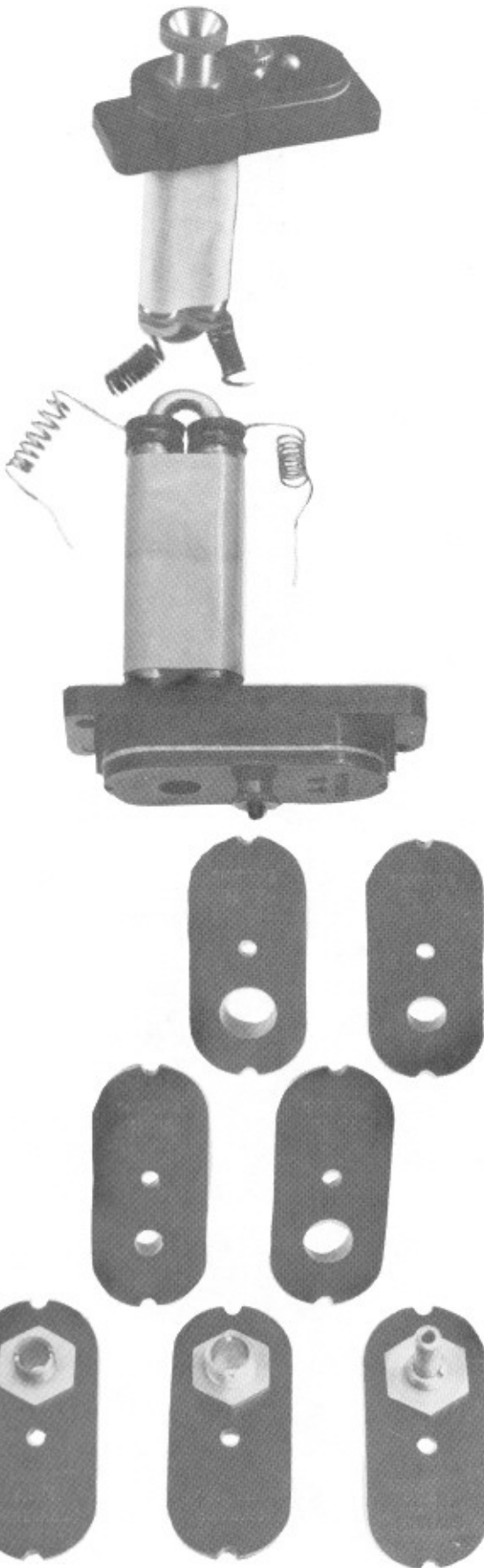
The A. NOTERMAN LTD. top note magnet is basically a standard chest magnet with a modified cover which is machined to fit top octave pipes. Units have been tested to 16" pressure with the standard 130 ohm coils.

CHEST MAGNETS

The A. NOTERMAN LTD chest magnet uses a standard Base with different Covers for different pressures, Base and Covers are molded out of BAKELITE which will last indefinitely and give many years of good service.

The magnets are fitted with a loose armature disc and can be used in any desired position. Precision coils are wound on molded bobbins and mounted on a hairpin core of Swedish Iron which is pressed into the Bakelite base, 130-ohm coils are standard.

Cleaning the armature or cap can be done very easily by removing just one machined nut which holds the cap on.



- #0 - $\frac{1}{8}$ " Exhaust Port (Plain Hole)
- #1 - $\frac{3}{16}$ " Exhaust Port (Plain Hole)
- #2 - $\frac{1}{4}$ " Exhaust Port (Plain Hole)
- #4 - $\frac{5}{16}$ " Exhaust Port (Plain Hole)
- #6 - $\frac{3}{8}$ " Exhaust Port (Plain Hole)
- #3 - $\frac{3}{16}$ " Exhaust Port (Adjustable Tube Screw)
- #5 - $\frac{7}{32}$ " Exhaust Port (Adjustable Tube Screw)

BOOKS 2095

DISCONTINUED

ORGAN VOICING AND TUNING — "Practical Hints to Amateurs"

39 pages, 4 x 6 inch size, originally published in 1881! Topics include: Tools for Voicing and Tuning; Remarks on Materials used for pipes, pressure, and pitch; voicing metal work, chamber scales: Principal, Open Diapason, Fifteenth, Twelfth, Mixture, Dulciana, Violin Diapason, Viola di Gamba, Gemshorn, etc; . . .

. . . . Voicing stopped and flute work, wood and metal; Bourdon, Stopped Diapason, Gedact, Lieblich Gedacht, Clarabella, Harmonic Flute, Clarinet Flute; Pedal stops, wood and metal; Bourdon (1), Bourdon (2), Violincello, Fronts; The management of reed stops; tuning, bearings or temperament; How, and in what order, to tune the various stops.

Paperback

B39

DISCONTINUED

THE CINEMA ORGAN 2nd EDITION by Reginald Foort

A description in non-technical language of a fascinating instrument and how it is played.

Originally printed in 1932, Mr. Foort has prepared much new material covering his experiences of the 37 years until 1970! Read all about the famous travelling Moller organ, and Foort's work with the B.B.C.

Special introductory section by Ben M. Hall, and a complete discography of all Foort recordings made prior to 1958.

Clothbound.

A-60

DISCONTINUED

TUNING, CARE AND REPAIR of REED and PIPE ORGANS

Not only does this book include a great amount of useful information on minor repairs, but it explains how to tune reeds — something, we have not found in any other publication.

Originally published 60 years ago when reed organs were everywhere, this important reprint is a requirement for anyone interested in antique instruments.

The section on pipe organs is devoted to tracker-type instruments, which are once again becoming popular.

Paperback, 86 pages.

B-24

DISCONTINUED

JESSE CRAWFORD

Poet of the Organ; Wizard of the Mighty Wurlitzer by John Landon

Jesse Crawford was the best-known theatre organist of all time. His unique ability at tone coloring enabled him to bring out magnificent renditions of musical works that have never been equaled to this day!

In this highly-readable biography, you'll not only learn all the fascinating details of the life of this great musician and his wife and daughter during the golden era of the Mighty Wurlitzer pipe organ, but you'll enjoy studying the details of all the important organs that he played. Also included is a complete discography of the over-200 records that he made!

This book is truly unique in musical literature, if for no other reason that the author was awarded a Doctor of Philosophy Degree by the prestigious Ball State University of Muncie, Indiana, based on his extensive research into the life of this remarkable organist!

Since the author himself is a fine organist, he is enabled to tell this fascinating story from the standpoint of one who has a real appreciation of what made Crawford the man he was.

Reginald Foort, perhaps England's most famous theatre organist, has contributed a valuable foreword to the book, and Canada's great organ expert Cleanan Blakely wrote the preface.

ISBN 0-911572-11-2

A-127





WURLITZER HOPE-JONES UNIT ORCHESTRAS

A magnificent 1916 60-page sales brochure on the World's most famous theatre pipe organs. Beautifully printed on heavy slick paper; jammed with illustrations and testimonials. This book has been proclaimed a "must" for the library of every theatre organ enthusiast by many authorities in this field.

A-13

DISCONTINUED



THE RECENT REVOLUTION IN ORGAN BUILDING

by **George L. Miller**

This book contains the complete historical development of the modern electrically-controlled pipe organ.

It was originally published in 1913, and for years collectors have eagerly sought copies. Now every pipe organ hobbyist and builder can have one!

Contains the whole story on Robert Hope-Jones, and his fight to gain recognition of his systems. The true genius of this man is amply explained, as is that of many other great inventors, such as Willis, Cavaille-Coll, Barker, and many others.

Fascinating reading for all organ-lovers.

A-53

DISCONTINUED



FROM PIANO TO THEATRE PIPE ORGAN

by **Bernard Barnes**

If you can play the piano, this book will teach you how to play the theatre organ! Its 70 pages contain all the information you need to know to make the transition from one instrument to the other.

Most of the pages are devoted to simple exercises as they would be played on the piano, followed by how to do it on the organ. Three pages are devoted to "imitations and tricks" such as cat meow, dog bark, lion roar, etc. etc.

Paper bound, with special lie-flat spiral binding.

A-74

DISCONTINUED



WURLITZER UNIT ORGANS

A beautiful 64-page sales brochure, originally printed by Wurlitzer in 1926. Large 9 x 12 size; nicely illustrated with pictures of consoles and theatre installations.

A-18

DISCONTINUED

WURLITZER THEATRE PIPE ORGAN FACT BOOK

Lists all specifications and stop lists for Wurlitzer and Hope-Jones unit organs, as well as many facts put forth by Robert Hope-Jones personally.

A-19

DISCONTINUED

WURLITZER CHURCH ORGANS

Printed in a format similar to the theatre organ books, this fine reprint tells all about Wurlitzer's efforts to crack the ecclesiastical market. Many fine pictures and testimonials.

A-44

DISCONTINUED

KILGEN WONDER ORGAN CATALOG

A beautiful 36-page 9 x 12 size catalog and promotion piece that should be in the hands of every pipe organ enthusiast . . . many pictures of actual installations, factory shots, and an article by John Eberson (originator of the "Atmospheric theatre design" and many other features) make this a book to have.

A-28

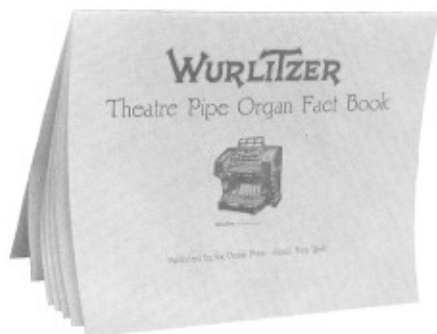
DISCONTINUED

WURLITZER HOPE-JONES FACTORY PHOTO ALBUM

Twenty-two dandy 5 x 7 photographs, reproduced on heavy Krome-Kote paper stock. You see pictures of the outside of the plant, the wood pipe department, the stock room, the fine voicing department, the valve department, and just all sorts of places that we know you would love to visit today! You'll enjoy this fine pictorial tour.

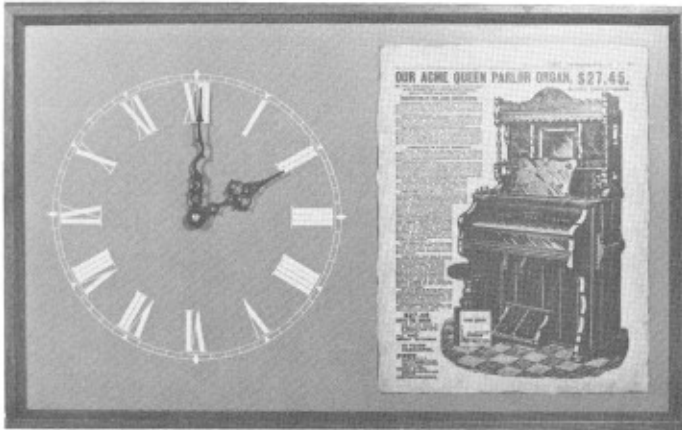
A-81

DISCONTINUED

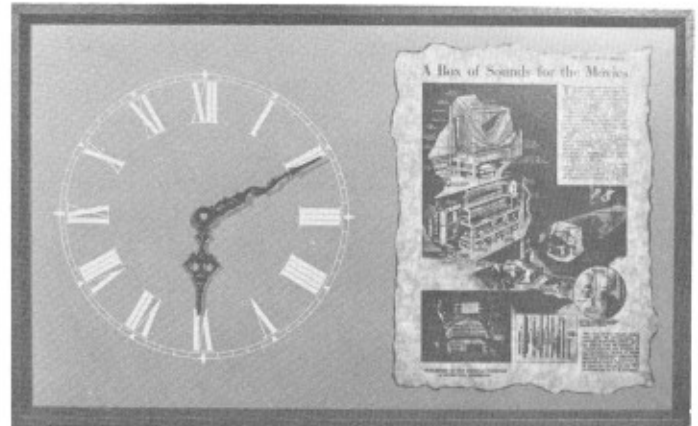


● CORDLESS *Decorator Clocks*

DISCONTINUED



Acme Queen Parlor Organ No. 101



A Box of Sounds for the Movies No. 102

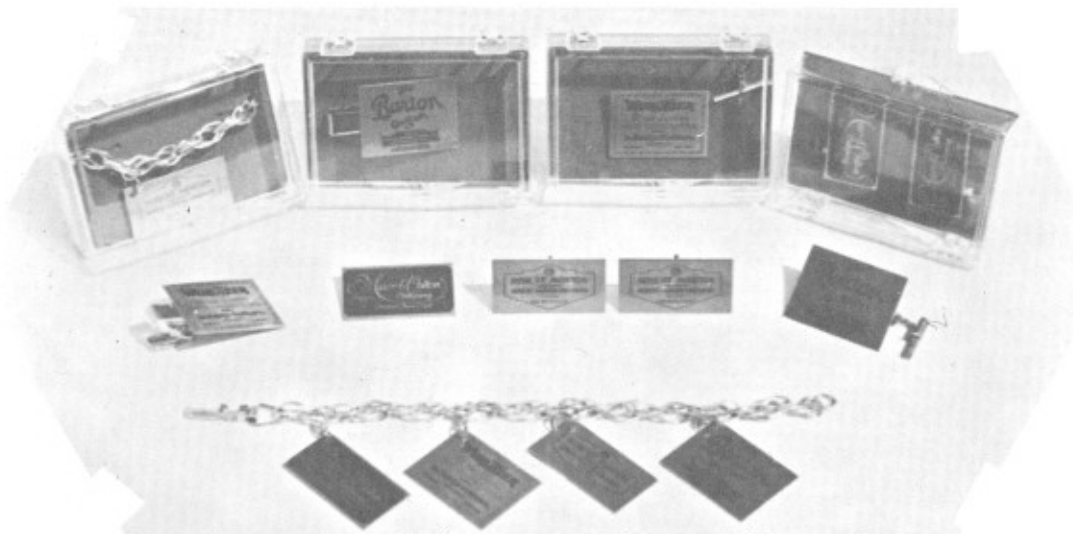
A clock that has been designed for use in your music room over an organ or piano or as a beautiful addition to your living room, above your stereo or television.

14"x22" richly grained walnut ramin wood frames the elegant decoupage aged parchment reproduction.

Both models available in following colors:

AVOCADO CHINESE RED SKY BLUE

- ★ Single "C" battery runs clock for a full year.
- ★ Factory warranty on movement.
- ★ Shipping charges include insurance.
- ★ Shipped in carton, wt. 6 lbs.



MINI WurliTzer, Barton, Robert Morton and Marr & Colton

Brass Name Plates made into Jewelry

- | | |
|--------------------------|----------------------|
| Tie Clips | Bracelets (4-plates) |
| Tie Tac | Earrings |
| Cuff Links | Pin |
| Bracelets (Single plate) | |

To order give name of plate and item

DISCONTINUED

ARNDT ORGAN SUPPLY CO.