

# HUBBARD

## HARPSICHORDS

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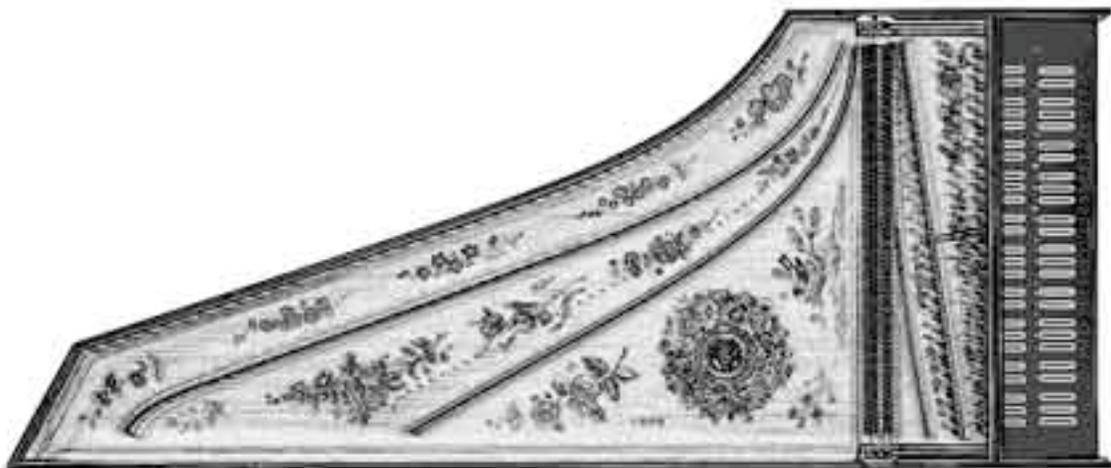
### PARTS & SUPPLIES FOR HISTORIC KEYBOARD INSTRUMENTS

Included with a print copy of this catalog is a current price list (loose) and an order form (bound-in). Electronic copies of this catalog, the order form and current price list may be obtained from <http://www.hubharp.com/parts.htm>. Orders may be placed by telephone, fax, post or e-mail (see caution below). Checks and money orders (in US funds drawn on US banks, please) are accepted with orders. VISA and MasterCard are also accepted. Please take care to transmit credit information by voice, fax or post **ONLY** - e-mail is NOT secure.

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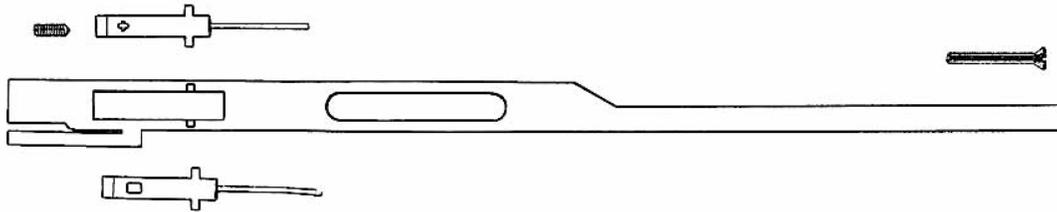


## ACTION: JACKS

### HUBBARD JACKS

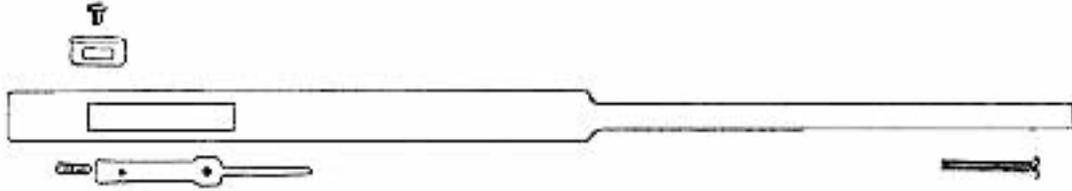
Precision molded white Delrin harpsichord jacks offered in two standard lengths which can be further cut to your specifications. Moulded-on damper clip holds a single layer of BC-001 or BC-003 bushing cloth. Tongue with moulded-on axle snaps into jack body and is retained and regulated by a top adjustment screw (HJ-005). Tops may be cut to a minimum of  $11/32''$  (8.7 mm) above the plectrum. Jacks can be drilled for an optional bottom adjustment screw.

Full dimensions available at <http://www.hubharp.com/hhi-pdf.htm>



- HJ-001      Uncut short jack body  $6\ 7/32''$  (158 mm) long,  $7/8''$  (22.2 mm) above the plectrum. *Not drilled for bottom adjustment screw.*
- HJ-002      Uncut long jack body  $7\ 31/32''$  (202 mm) long,  $7/8''$  (22.2 mm) above the plectrum. *Not drilled for bottom adjustment screw.*
- HJ-001C     Same as HJ-001 and HJ-002, but cut to your specifications and drilled for bottom adjustment screw, minimum of  $4\ 1/8''$  (105 mm) exclusive of bottom screw.
- HJ-003      Tongue with slot for  $.020''$  (.5 mm) thick Delrin or flat feather plectra (e.g., goose).
- HJ-004      Tongue with square mortise for leather plectra.
- HJ-005      Top adjustment screw, stainless steel #2-56 slotted set screw.
- HJ-006      Bottom adjustment screw,  $3/4''$  (19 mm) long plated oval head screw.
- HJ-007       $.020''$  (.5 mm) thick pre-cut Delrin plectra, standard.
- HJ-007K      $.024''$  (.6 mm) thick pre-cut Delrin plectra, extra thick. *NB incompatible with HJ-003.*
- HJ-007N      $.016''$  (.4 mm) thick pre-cut Delrin plectra, thin - useful for very short plectra, 4' plectra.
- HJ-008       $7/16''$  (12.3 mm) wide x  $12''$  (30 cm) long strip of  $.020''$  (.5 mm) thick Delrin for cutting your own plectra. Length of plectrum lies across strip as supplied.
- HJ-009       $16''$  (40 cm) long (approx.) strip of German plectrum leather. Three strips will furnish plectra for one rank. 1 strip
- BC-001      Thick scarlet key bushing cloth for dampers, 1 strip  $54''$  (1.4 M) long (one strip is usually sufficient for a rank or two).

## OLD-STYLE HUBBARD JACKS

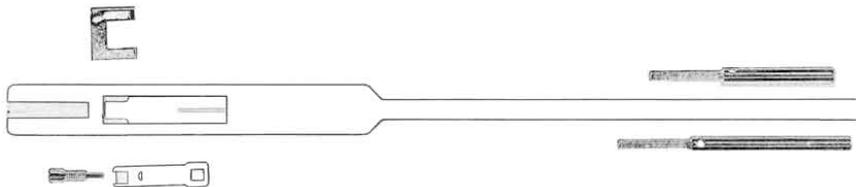


Old-style black moulded Delrin jacks offered as replacement parts for Hubbard instruments and kits made before 1974. Order HJ-005 and HJ-006 for top and bottom adjustment screws, and BC-001 for dampers.

- BJ-001 Uncut jack body 8 1/16" (205 mm) long drilled for top adjustment screw, axle pin and damper clip *not drilled for bottom adjustment screw*.
- BJ-002 BJ-001 cut to your specifications and drilled for bottom adjustment screw (if required).
- BJ-003 Tongue with slot for Delrin plectra, drilled for axle pin.
- BJ-004 Tongue with square mortise for leather plectra, drilled for axle pin.
- BJ-005 Damper clip (cloth to be attached with appropriate adhesive)
- BJ-006 Pan head screw for holding damper clips
- BJ-007 Pivot pin

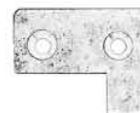
## HERZ JACKS

Original jacks for harpsichords by Eric Herz. We have only a declining supply of these - the mould has been removed from service. We choose to sell **ONLY** in quantities appropriate to make partial sets whole and, perhaps, provide a few spares. The Hubbard jack (HJ-series) may be used for wholesale replacement. For many of Eric's instruments this will entail minimum fuss, *please inquire*.



- EJH-A Replacement jack assembled to new tongue, cut to size (*please specify*), top and bottom screws installed.
- EJH-AP Replacement jack assembled to new tongue, cut to size (*please specify*), drilled for top and bottom screws (please scavenge these parts from the jack being replaced).
- EJH-B Jack body, undrilled
- EJH-BD Jack body, drilled for top screw, bottom screw, pivot pin
- EJH-P-new Plectra, narrow for most Herz tongues. 1 packet, 100 minimum
- EJH-P-old Plectra, wide for original Herz tongues. 1 packet, 100 minimum
- EJH-T Replacement tongue, undrilled
- EJH-TD Replacement tongue, drilled

- EHD Brass slide-on damper clip, bare
- EHD/G Brass slide-on damper clip, green action cloth damper (*state right or left side*)
- EHD/R Brass slide-on damper clip, red bushing cloth damper (*state right or left side*)
  
- EHR Custom-made stainless steel top regulating screw (severely limited stock - we ask that you scavenge existing screws from jacks being replaced).
- EHE Custom-made plated-steel end pin (long) with regulating hole (severely limited stock - we ask that you scavenge existing end pins from jacks being replaced).
  
- EHPP Replacement pedal plate in 1/8" (3.2 mm) thick brass. To replace broken acrylic plates.



## JACK SERVICES

We often get inquiries about other makers' jacks. As we are able to collect them, we keep small supplies of decent take-outs on hand. We are able to adapt our current tongues (HJ-003, 004) to Burton jacks, which will enable owners to easily remove and replace plectra. We are also willing and able to reproduce some older styles of wooden and plastic jacks or tongues. These reproduction services can be costly for large numbers of jacks and in some cases re-jacking may well be more reasonable. *Please inquire.*

## JACK GUIDANCE

### JACK SLIDES/ REGISTERS

Drilled and slotted registers for Hubbard Delrin jacks. Made from maple or similar close-grained hardwoods 3/8" (9.5 mm) thick. Registers have standard 6 1/4" (153 mm) octave spacing and can be narrowed to a minimum of 9/16" (14.2 mm) wide. We can provide a maximum of 63 holes. Registers are left over-length to permit precise fitting in your instrument.



*We require a minimum order of two registers for custom sizes*

- JS-001 Custom-made register for Hubbard jacks
- JS-002 Custom-made register for non-Hubbard jacks, *please inquire*

### CAPSTAN SCREWS

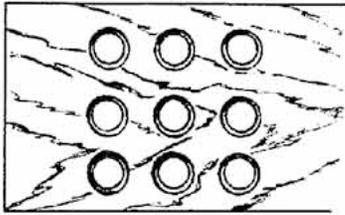
Used in the ends of jack slides (registers) to regulate motion. Brass, 1 3/8" (35 mm) long. We recommend #16 (4.5 mm) drill

- CS-000 Capstan screws, ea.
- CS-001 Capstan screws, dozen



## LOWER GUIDES

Drilled lower guides for Hubbard jacks. We can provide one to four rows of up to 63 holes in a single batten 5/16" (8 mm) thick and up to 3 5/8" (92 mm) wide. Price is per rank of holes.



*Please call for details regarding the spacing of the ranks*

- LG-001 Custom-made lower guide for Hubbard jacks
- LG-002 Custom-made lower guide for non-Hubbard jacks, *please inquire*

## JACK GUIDANCE SERVICES

We are able to copy the spacing of any relatively intact register for direct replacement. We are able to make registers and lower guides for octave-spans other than 6 1/4". We are able to make registers and lower guides to accommodate most jacks with different form-factors than our own. *Please inquire.*

## ACTION: KEYBOARD

### KEYBOARD CLOTH AND FELT

#### BUSHING CLOTH

Thick scarlet key bushing cloth .054" (1.4 mm) thick. Used for bushing keys, as dampers for harpsichord jacks, and as listing material for clavichords. All strips 3/8" (9.5 mm) wide. Order BC-002 for use as listing cloth.

- BC-001 Strip 54" (1.4 M) long
- BC-002 Continuous roll of 6 strips 324" (approx. 8 M) long



#### GREEN ACTION CLOTH

Fine 100% wool, woven cloth, felted, .090" (2.3 mm) thick. Used as keyboard support, and key end (jack cushion) cloth.

- GF-001 1" (25.4 mm) x 36" (91 cm) long cut strip
- GF-002 2" (51 mm) x 36" (91 cm) long cut strip
- GF-003 4" (102 mm) x 36" (91 cm) long cut strip

## SCARLET BUSHING CLOTH

Fine 100% wool, woven cloth, felted .054 (1.4 mm) thick. An extremely versatile material, it may be used as keyboard support cloth, back-fall cushions, key end (jack cushion) cloth, and in layers as jack rail cloth.

SF-001	1" (25.4 mm) x 36" (91 cm) long torn strips
SF-002	2" (51 mm) x 36" (91 cm) long torn strips
SF-004	4" (102 mm) x 36" (91 cm) long torn strips
SF-005	One lineal yard 65" (1.65 M) wide

## WHITE ACTION CLOTH

Fine 100% wool, woven cloth felted .095 (2.4 mm) thick. May be used in layers with scarlet on over-rails to limit key dip and as jack rail cloth to add sound insulation without the sponginess associated with multiple layers of thinner cloth.

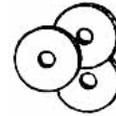
WF-001	1" (25.4 mm) x 36" (91 cm) long torn strips
WF-002	2" (51 mm) x 36" (91 cm) long torn strips
WF-004	4" (102 mm) x 36" (91 cm) long torn strips

## KEYBOARD PUNCHINGS

### CLOTH PUNCHINGS

Woven white felted wool punchings, 1/2" (12.7 mm) diameter.  
Used as balance rail punchings. Packs of 100

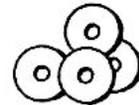
FP-001	.050" (1.3 mm) thick
FP-002	.080" (2.0 mm) thick
FP-003	.110" (2.8 mm) thick



### PAPER PUNCHINGS

Paper balance rail punchings 1/2" (12.7 mm) diameter. For leveling keyboards. Packs of 100

PP-001	Thin - .005" (.13 mm) thick
PP-002	Medium - .007" (.18 mm) thick
PP-003	Thick - .010" (.25 mm) thick



## KEYBOARD HARDWARE

### KEY PINS

Non-rusting 303 stainless-steel pins used as balance pins, or back rail pins.  
All 3/32" (2.36 mm) diameter.

- KP-001 1 1/4" (31.8 mm) long, 65/pack
- KP-002 1 1/2" (38.1 mm) long, 65/pack



### LEAD WEIGHTS

The cast lead weights we have heretofore offered to balance key levers, weight harpsichord jacks, fortepiano dampers, etc. are no longer available. We now substitute 1/4" (6 mm) lead wire which is easily cut.



- LW-003 Lead wire .250" (6.4 mm) diameter, 1 lb. (454 g)

### RACK PINS

Pins used to guide the distal ends of keys in slotted racks. See "Bridge & Nut Pins", p. 20.

## OTHER

### ARCADES - FRENCH-STYLE

3/16" (4.75 mm) thick (other thicknesses available by special order) and 1/2" (12.7 mm) high. Supplied over-length, available in uncut strips ranging from 2 to 10 arcades per strip or in fully cut sets of 38 arcades. Pear or select maple *please specify*



- A-001 Set of 38 arcades
- A-002 Uncut strips (sufficient for one set)

### KEY-FRONT MOULDING - ENGLISH-STYLE

5/32" (4 mm) x 1/2" (12.7 mm) high. Made from carefully selected maple

- KM-001 1 Strip 38" (95 cm) long



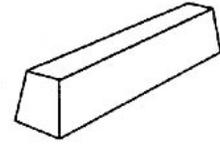
### KEY COVERS

Wood strips for covering natural keys and key fronts. 1/8" (3 mm) thick, 7/8" (22 mm) wide and 12" (30 cm) long.

- KC-001 Ebony Strip
- KC-002 Boxwood Strip

## SHARP STRIPS

Wood strips 7/16" (11 mm) wide at the base with sloping sides (2 1/2°). Strips are ~14" (35.5 cm) long. Available in two heights: 11/32" (9 mm) or 15/32" (12 mm). The smaller size is appropriate for capping with the imitation bone listed below.



- SST-001 Walnut sharp strip 11/32" (9 mm) high
- SST-002 Walnut sharp strip 15/32" (12 mm) high
- SST-003 Ebony sharp strip 11/32" (9 mm) high
- SST-004 Ebony sharp strip 15/32" (12 mm) high
- SST-005 Boxwood sharp strip 11/32" (9 mm) high
- SST-006 Boxwood sharp strip 15/32" (12 mm) high

## IMITATION BONE

Finest quality casein-based bone substitute. Furnished in 3 1/2" (8.9 cm) long strips: ~.125" (3.2mm) thick; in widths appropriate for sharp caps and typical natural tails or natural heads or full-width tails. This material may be securely fastened with any fine woodworking adhesive (including hide glue, hot or cold, and Titebond). It may be worked exactly like bone.

- IB-003 1 strip casein-based imitation bone, 15/32" (12 mm) wide (sharp caps, natural tails).
- IB-004 1 strip casein-based imitation bone, 15/16" (24 mm) wide (natural heads).

## COUPLER DOGS

5/32" (4 mm) thick, 1 3/8" (35 mm) from shoulder to top with 1/2" (12.7 mm) long stem, which is driven into a hole located on top of lower manual key levers. Made of tulip poplar.

- FCD-001 Set of 65 coupler dogs



## ACTION: LEATHER

### BUFF PAD LEATHER

Extra thick soft leather of various types suitable for making buff stop pads. A 3" x 3" square is sufficient for one instrument

- BPL-001 3" x 3" (76 x 76 mm) square of buff leather

### PLECTRUM LEATHER

German plectrum leather for *Peau de Buffle* or restorations of revival instruments. Three strips will easily quill one rank.

- HJ-009 1 strip 16" (40 cm) long (approx.)

### KID SUEDE

A very strong, tough leather - perfect for covering fortepiano hammers. The optimal combination of softness, flexibility and longevity for excellent tone and durability. 1/4 skin will usually cover a complete set of hammers.

- KS-001 1/4 skin kid suede
- KS-002 Full skin, average 3-4 sq. ft. (0.25 - 0.35 m<sup>2</sup>)

## SPLIT CALF SUEDE

Soft 2-3 oz. leather sueded on both sides. May be used as an under-layer on fortepiano hammers or as a limited-skid facing for the bottoms of music desks, etc..

- SC-001 1 sq. ft. split calf suede
- SC-002 Full skin, average 5-8 sq. ft. (0.45 - 0.75 m<sup>2</sup>). *Special order*

## BEAK LEATHER

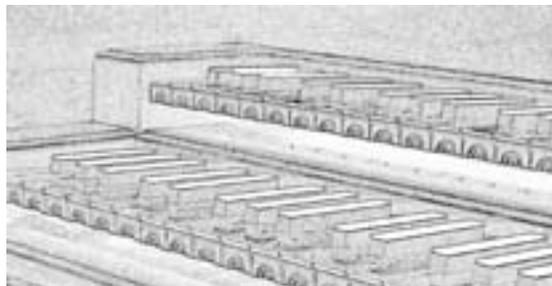
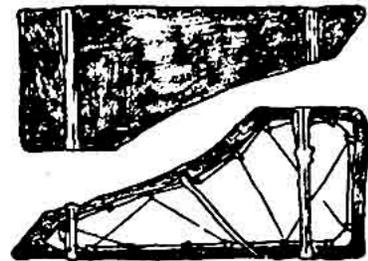
First-quality German leather tanned specifically for modern Viennese-action pianofortes. For use in fortepianos - may be hardened and thinned by ironing. A 3" x 3" square is sufficient for one instrument.

- BKL-001 3" x 3" (76 x 76 mm) square of beak leather

## CARRYING COVERS

Rugged cordura nylon harpsichord carrying covers for all Hubbard instruments and kits. Non-Hubbard covers available by special order, please *inquire for details*. **Please Allow 4-6 weeks for Delivery.**

- CC-001 Hubbard French Single-Manual Harpsichord carrying cover
- CC-002 Hubbard French Double-Manual Harpsichord carrying cover
- CC-003 Hubbard Flemish Single-Manual Harpsichord carrying cover
- CC-004 Hubbard English Bentside Spinet carrying cover
- CC-005 Hubbard Fortepiano Carrying cover
- CC-006 Hubbard Flemish Virginals carrying cover
- CC-007 Hubbard Custom Instruments carrying cover
- CC-008 Non-Hubbard Instruments



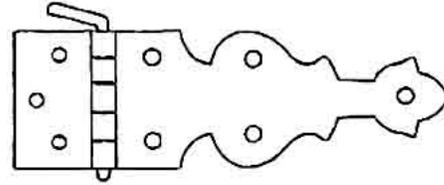
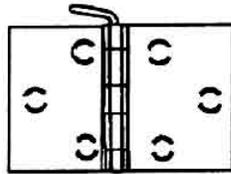
## CASE FITTINGS: CONSTRUCTION

### HINGES

The hinges we offer here are chosen from various sources. Each is solid brass and helps add a formal accent to any decorative scheme.

#### STRAP HINGES

Heavy solid brass hinges with removable bent hinge pins. Perfect for harpsichord and fortepiano lids. Satin finish, screws not included.

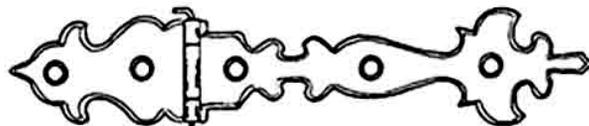
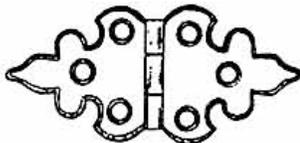


SH-001 2" (51 mm) x 3" (76 mm) *above, left*

SH-002 1 3/4" (44 mm) x 5 1/2" (14 cm) *above, right*

#### REPRODUCTION 18TH-CENTURY ENGLISH HINGES

Exceptionally fine hand-cast brass reproductions of 18th-century hardware appropriate for lighter lids (e.g., bentside spinet). Substantial and beautifully finished. RH-002 has a 1/2" (12.7 mm) return and is intended to be mounted on the outside of lids which are 3/8" (9.5 mm) - 1/2" (12.7 mm) thick; with removable pin, screws not included. Installation best in groups of three.

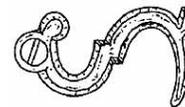


*We do not recommend these hinges for extra-large or heavy lids*

RH-001 1 1/2" (38 mm) x 3 1/2" (89 mm) *above, left*

RH-002 1 1/2" (38 mm) x 7 1/2" (19 cm) *above, right*

RH-003 S-hook with doily & eyelet *right*



## LOCKS

### LOCK SETS

Complete with solid brass selvage, escutcheon, strike plate, 1/2" (12.7 mm) mounting screws, nickel-plated triangular key. Fits 1/2" (12.7 mm) minimum lock board.

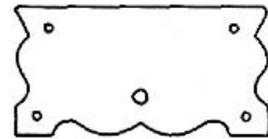


- L-001 Lock set
- L-002 Extra key

### DECORATIVE LOCK PLATE

Solid, heavy gauge brass lock plate for English bent-side spinet; holes drilled for screws (not included).

- LP-001 Rectangular lock plate 2 1/2" x 1 5/16" (63.5 x 33.3 mm), pattern scribed into one surface
- LP-002 Lock plate with pattern cut out



## CASE FITTINGS: DECORATIVE

### MOULDINGS

#### COUPLER PULL MOULDING

French style coupler pulls mounted on top of the upper-manual key end blocks for operating the shove coupler. Made from poplar. *Other species available by special order*

- CM-001 6" (15 cm) moulding
- CM-002 Hardwood mouldings *please inquire*



#### RUCKERS FRONT MOULDING

Standard Ruckers-pattern front moulding for virginals and harpsichords. 7/16" (11 mm) thick x 1 1/4" (32 mm) high. Basswood *sorry other species not available*

- RM-001 39" (99 cm) length for harpsichords
- RM-002 76" (193 cm) length for virginals



## ROSES

### CAST LEAD SOUNDBOARD ROSES

Authentic cast lead soundboard roses after examples by Hemsch and Ruckers. Solid letter blocks allow builders to carve their own initials. The Hemsch rose fits a 2 3/4" (70 mm) dia. opening, the Ruckers fits a 2 9/16" (65 mm) dia. opening.



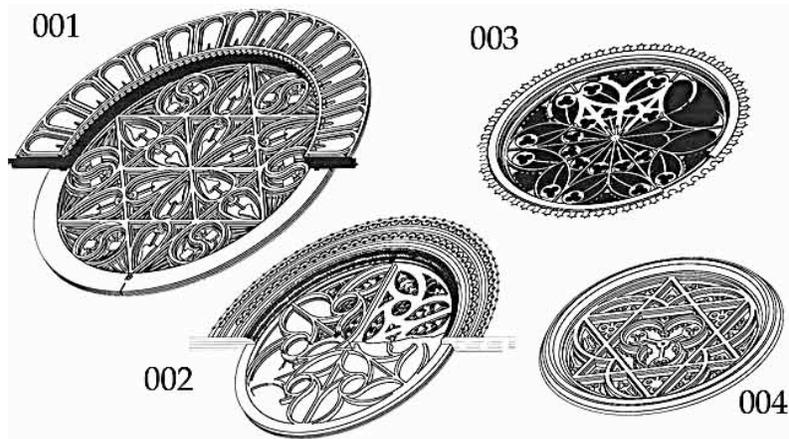
R-001 Hemsch rose



R-002 Ruckers rose

### ITALIAN HARPSICHORD AND VIRGINAL ROSETTE DRAWINGS BY R. K. LEE

Patterns for making 16th & 17th century Italian soundboard roses. Printed on 8 1/2" x 11" sheets of transparent media which will self adhere to parchment & wood.



- SRR-001 Pattern from 17th c. harpsichord; to be made of parchment with layers appearing both above and below the soundboard
- SRR-002 Pattern from 1597 virginal by Ferandi Rossi; to be made of parchment & wood and placed entirely below the soundboard
- SRR-003 Pattern from 17th c. virginal; to be made of wood & parchment supported by a turned wooden ring let into the soundboard hole
- SRR-004 Pattern from 17th c. harpsichord (de Perticis 1681?); to be made of wood & parchment, supported by a turned wooden ring set over the soundboard hole.

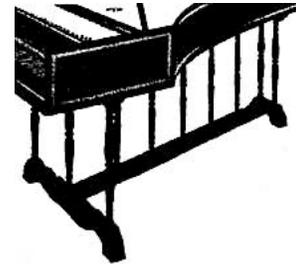
## CASE FITTINGS: ACCESSORIES

### STANDS - FINISHED AND IN KIT FORM

Hubbard harpsichord-stand kits with pre-cut parts ready for assembly (builder supplies glue & finishing materials). Available in tulip poplar (for ease of painting), cherry, and black walnut. Other species are available to special order - *please inquire*. Each comes complete with hardware and instructions.

#### BALUSTER STANDS

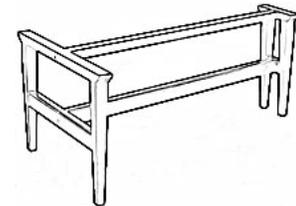
Flemish carved-foot baluster stand kit utilizing our standard maple baluster turnings. Balance made from poplar for ease of painting. May be custom-sized to fit your harpsichord: for designs other than our French and Flemish kits, please provide dimensions for a quote.



- BS-001 Baluster stand kit for Hubbard Flemish harpsichord
- BS-002 Baluster stand kit for Hubbard French II harpsichord
- BS-003 Custom-sized baluster stand kit - *please inquire*
- BS-004 Assembly of stands BS-001, -002 or -003 - *please inquire*
- BS-005 Assembled baluster stand finished in color of your choice - *please inquire*

#### TRESTLE STAND - SQUARE, TAPERED LEG

Standard Hubbard French II trestle stand kits. May be custom-sized to fit your harpsichord: for designs other than the Hubbard French II, please provide dimensions for a quote. Also available in maple, cherry or walnut by special order.



- TS-001 Trestle stand kit in tulip poplar
- TS-002 Trestle stand kit in maple, cherry or walnut - please specify
- TS-003 Custom-sized trestle stand - *please inquire*
- TS-004 Assembly of stands TS-001, -002 or -003 - *please inquire*
- TS-005 Assembled trestle stand finished in color of your choice - *please inquire*

#### LOUIS XVI APRON STAND, TURNED & FLUTED LEGS

For Hubbard French II harpsichords. Made from poplar for ease of painting.



- LS-001 Louis XVI apron stand kit, dimensioned parts with 6 fluted legs
- LS-002 Louis XVI apron stand kit, pre-cut rim and front moldings installed
- LS-003 Louis XVI apron stand, fully assembled but unfinished - *please inquire*
- LS-004 Louis XVI apron stand in color of your choice, flutes & mouldings gilded - *please inquire*
- LS-005 Louis XVI apron stand, fully assembled but unfinished Adapted to another design - *please inquire*

## HARPSICHORD LEGS

### BALUSTER TURNINGS

Flemish style baluster turnings in two sizes. Small baluster turning - approximately 1 3/8" (35 mm) diameter with 5/8" diameter tenon. Large baluster turning - approximately 1 5/8" (41 mm) diameter with 7/8" (22.2 mm) diameter tenon. Both 19 3/16" (49 cm) long excluding tenon. Available in maple only.



BT-001 Small baluster turning



BT-002 Large baluster turning

### LOUIS XVI LEGS

Louis XVI harpsichord legs 23 1/16" (58.6 cm). Tapering from approximately 2 3/4" (70 mm) to 1 1/2" (38 mm). Turned and fluted in tulip poplar. Other species (e.g., cherry, walnut) are also available by special order. *No hardware, fastening holes provided*

- LL-001 Louis XVI harpsichord legs, tulip poplar
- LL-002 Louis XVI harpsichord legs, other



### LOUIS XVI LEGS & CAPS

Set of six Louis XVI harpsichord legs and caps for mounting directly onto harpsichords without an apron stand. Contains all mounting hardware and instructions. *No fastening holes provided*

- LL-007 Louis XVI legs (LL-001) & caps; tulip poplar
- LL-008 Louis XVI legs (LL-002) & caps; other

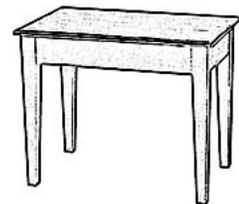
## BENCHES - FINISHED AND IN KIT FORM

Hubbard bench kits with pre-cut parts are delivered ready for assembly (the builder must supply glue & finishing materials). Hinged seat lifts for storage of music and supplies underneath (excludes joint stool). All benches (with the exception of BK-004 & BK-005 which are supplied in mahogany and BK-014 & BK-015 which are supplied in red oak) are supplied standard in tulip poplar. Cherry and walnut are also available. Other species are available by special order - *please inquire*. Any bench can be provided assembled and finished in our shop. Please note BK-012 and BK-013 are not sold as kits.

### CLASSIC BENCH

Classic bench with square tapered legs. Seat 15" (38 cm) x 23 7/8" (61 cm); height 19 1/2" (49.5 cm).

- BK-001 Classic bench kit, tulip poplar appropriate for painting
- BK-002 Classic bench kit, cherry or walnut (*other, please inquire*)
- BK-003P Classic bench BK-001 assembled and finished in color of your choice
- BK-003W Classic bench BK-002 assembled and clear-finished



## ENGLISH BENCH

Eighteenth-century English bench with turned legs patterned after our spinet stand, in solid mahogany, mid-level stretchers. Seat 15" (38 cm) x 23 7/8" (61 cm); height 20 1/2" (52 cm)

- BK-004 18th-century English bench kit
- BK-005 18th-century English bench assembled and clear-finished



## LOUIS XVI TURNED-LEG BENCH

Louis XVI bench with turned and fluted legs. Seat 15" (38 cm) x 23 7/8" (61 cm). Available in two heights; 19 1/16" (48.4 cm) or 21" (54.3 cm) high.

- BK-006 Louis XVI Bench Kit, tulip poplar (either height)
- BK-007 Louis XVI Bench Kit, other (either height)
- BK-008P Louis XVI Bench BK-006 (either height) assembled and finished in color of your choice, gilded
- BK-008W Louis XVI Bench BK-007 (either height) assembled and clear-finished



## FLEMISH BALUSTER BENCH

Flemish carved-foot baluster bench designed to match our standard baluster stand for either Flemish or French instruments. Seat 15" (38 cm) x 23 7/8" (61 cm); height 20 1/2" (52 cm)

- BK-009 Flemish baluster bench kit in tulip poplar
- BK-010 Flemish baluster bench kit, other
- BK-011P Flemish baluster bench BK 009, assembled and finished in color of your choice
- BK-011W Flemish baluster bench BK-010, assembled and clear-finished



## LOUIS XV CABRIOLE BENCH

Cabriole legs with carved hoof and rams' horns or acanthus leaves. Seat 15 1/2" (40 cm) x 20 1/2" (52 cm); height 18 1/2" (47 cm). *Not available as a kit*

- BK-012 Louis XV cabriole bench custom finished (foot carvings only) in color of your choice, edges, details gilded
- BK-013 Louis XV cabriole bench custom finished with ornately carved and gilded seat and legs, all visible surfaces gilded

## JOINT STOOL

Joint stool, after seventeenth century originals. Traditional pegged construction, in red oak. Seat 12 1/2" (32 cm) x 18 1/2 (47 cm); height 20" (51 cm) . N.B. This stool does not have an under-seat storage bin.

- BK-014 Joint stool kit
- BK-015 Joint stool, assembled, unfinished
- BK-016 Joint stool, assembled, stained dark with a hand-rubbed oil finish.



## BENCH LEGS

### 18TH-CENTURY ENGLISH BENCH LEG

Solid mahogany bench legs 20" (51 cm) long. *No fastening holes/mortises provided*

BL-001 English bench legs

### 17TH-CENTURY JOINT STOOL LEG

Solid red oak stool legs 19 3/8" (49 cm) long x 1 7/8" (4.8 cm) square. *No fastening holes/mortises provided*

BL-002 Joint stool legs

### LOUIS XVI BENCH LEGS

Louis XVI bench legs 17 1/16" (43 cm) long for instruments *with* apron stand or 15" (38 cm) long for instruments *without* apron stand *please specify*; tapering from approximately 2 1/2" (64 mm) to 1 1/4" (32 mm). Turned and fluted in poplar, cherry or walnut. *No fastening holes provided*

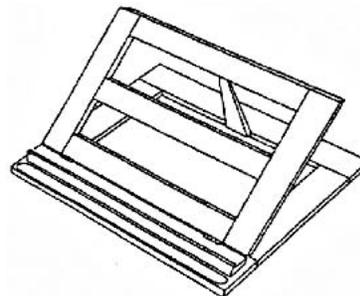
LL-003 Louis XVI bench legs in poplar *specify length*

LL-004 Louis XVI bench legs in cherry or walnut *specify length*

## MUSIC DESKS

### HUBBARD MUSIC DESK

Standard folding music desk in maple, cherry or black walnut. Perfect for harpsichords or as a table-top music stand for consort playing. Measures approx. 11" (28 cm) x 18" (46 cm) when flat. Mortise and tenon construction with solid brass hardware. Available in an easily assembled pre-cut kit or assembled and finished with a hand-rubbed oil finish. *Please specify hardwood species desired when ordering.*



MD-001 Music desk kit in maple

MD-002 Music desk kit in walnut or cherry

MD-003 Music desk assembled and finished in Hubbard shop

## STAND, BENCH AND MUSIC DESK HARDWARE

### BED BOLTS

3/8" (9.5 mm) x 6" (150 cm) long steel bed bolt with heavy square nut for trestle and baluster stands.

BB-001 Bed bolt

BB-002 Special cast-bronze Y-wrench for bed bolts



## BED BOLT COVERS

Decorative antiqued brass bed bolt cover with brass escutcheon pin.

BB-003 Bed bolt cover & pin



## HANGER BOLTS

5/16" (8 mm) diameter bolt. Used for screw-on-legs and as stand hardware. Comes with either a square or hex nut; *please specify*.

HB-001 4" (10 cm) long bolt with nut *ideal for benches*

HB-002 6" (15 cm) long bolt with nut *best for instruments*



## BUTT HINGES

Solid brass butt hinges. All hinges sold individually, screws not included. Measurements are for hinges in the open position. First dimension given measured parallel to the barrel.

BH-001 3/4" (19 mm) x 5/8" (16 mm) - music desks, light duty applications



## DECORATION:

### GILDING

#### GOLD LEAF

Genuine 23K. XX deep surface-gilding gold leaf in books and rolls. Used for gilding mouldings and decorative bands on harpsichords etc. Book leaf is loose. Roll gold is lightly tacked to paper for easier application (patent leaf). *Gold prices fluctuate and are subject to change without notice.*

GL-001 One book 25 leaves 3 3/8" (85 mm) square

GL-002 1 roll 1/4" (6.3 mm) wide x 67 ft. (21 M) long

GL-003 1 roll 1/2" (12.7 mm) wide x 67 ft. (21 M) long

GL-004 1 roll 3/4" (19 mm) wide x 67 ft. (21 M) long

GL-005 1 roll 1" (25.4 mm) wide x 67 ft. (21 M) long

#### GOLD SIZE

High quality quick drying gold size for oil gilding. 1 hour drying time.

GS-001 1/4 pint (118 ml) quick-drying gold size

#### GOLD LEAFING KIT

Book gold leaf, gold size, instructions and supplies sufficient for case mouldings and applying gold bands to case and lid. *Gold prices fluctuate and are subject to change without notice*

GL-006 Gold leafing kit

## PAPER

### FLEMISH-STYLE DECORATIVE PAPERS

Painstakingly executed copies of historical block-printed designs. Though the papers are printed on different stocks, within an instrument they may often be intermixed to very good effect. The greatest contrast is between the buff and white bond.

#### ASH GRAIN LID PAPER

Pale olive on **cream** stock. Approximately 6 7/8" (175 mm) wide x 23 5/16" (59 cm) long. Papers are matched by rotating them through 180 degrees. Two panels per sheet

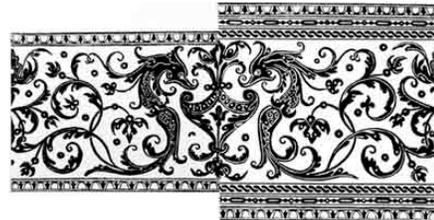
FPP-001 Ash Grain Lid Paper



#### DOLPHIN PATTERN - SINGLE-MANUAL HARPSICHORD

Black on **buff-colored** stock. Also called Seahorse Paper. Approximately 5 7/16" (138 mm) wide x 14" (35.5 cm) long. Four panels per sheet. *Not compatible in color or size with FP-002V*

FPP-002H Dolphin pattern - Harpsichord (on left)



#### DOLPHIN PATTERN - VIRGINAL

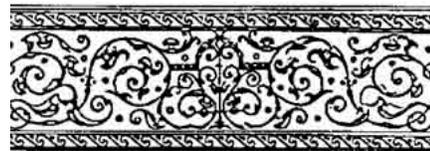
Black on **cream** stock. Approximately 7 1/4" (184 mm) wide x 14 3/4" (37.5 cm) long. Three panels per sheet. *Not compatible in color or size with FP-002H*

FPP-002V Dolphin pattern - Virginal (on right, above)

#### OTTAVINO FRONT BOARD

Black on **cream** stock. 4 1/2" (115 mm) wide x 17 1/2" (45 cm) long. Three panels per sheet.

FPP-003 Front Board



#### BORDER

Black on **cream** stock. 1 1/2" (38 mm) wide x 19" (48 cm) long. Fits Hubbard single-manual Flemish string surrounds. Two strips per sheet.

FPP-004 Border



#### BORDER

Black on **white bond** stock. 2 1/16" (52 mm) wide x 19 1/4" (49 cm) long. Fits Hubbard double-manual string surrounds. Two strips per sheet.

FPP-005 Border



## BORDER

Black on **cream** stock. 1 3/16" (30 mm) wide x 15 1/2" (40 cm) long. Fits Hubbard ottavino string surrounds. Three strips per sheet.

FPP-006 Border



## BORDER

Black on **buff-colored** stock. 1 3/16" (30 mm) wide x 21" (53 cm) long. All-purpose lid border. Six strips per sheet.

FPP-007 Border



## BORDER

As above. Black on **cream** stock. 1 3/16" (30 mm) wide x 21" (53 cm) long. All-purpose lid border. Six strips per sheet.

FPP-007A Border

## FLORAL ARABESQUE - DOUBLE-MANUAL KEYWELL

Black on **white bond** stock.

Sized for application to cheeks. 10" (254 mm) wide x 14" (35 cm) long. One panel per sheet.

FPP-008 Double-manual cheek

Same pattern as FP-008, sized for application to nameboard. 4 1/8" (110 mm) wide x 21" (53 cm) long. One panel per sheet.

FPP-009 Double-manual nameboard



## STRINGING

### PINS

#### BRIDGE & NUT PINS

Plated brass pins. Used as bridge and nut pins, center pins, and rear guide pins in historical keyboards. All sizes 3/4" (19 mm) long.

BP-001 .046" (1.16 mm) diameter 157 per oz

BP-002 .048" (1.22 mm) diameter 146 per oz

BP-003 .050" (1.27 mm) diameter 137 per oz



## HITCH PINS

Black oxide finished steel hitch pins .062" (1.5 mm) diameter x 1 1/4" (32 mm) long. Tapered end for easy driving. Use #54 extension drill T-002.

- HP-001 Package of 50
- HP-002 Package of 100
- HP-003 Package of 500



## TUNING PINS

Threaded steel zither pins with a hole for starting the wire. .198" (5 mm) diameter x 2" (50 mm) long, blued finish.

- TP-001 Package of a dozen pins
- TP-001L Package of 50 pins
- TP-001C Package of 100 pins
- TP-001D Box of 500 Pins

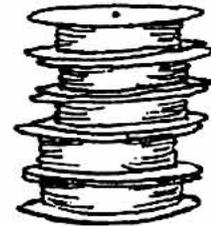


## WIRE

### BRASS WIRE

Spring temper yellow brass (70/30, sp. gr. 8.56). Maximum recommended scaling for c" is 10" (25 cm) at modern pitch (a'-440) or 10 5/8" (27 cm) at low pitch (a'-415). Diameters available; .008" (.20 mm); .009" (.22 mm); .010" (.25 mm); .011" (.28 mm); .012" (.30 mm); .014" (.35 mm); .016" (.40 mm); .018" (.46 mm); .020" (.51 mm); .022" (.56 mm); .024" (.61 mm); .026" (.66 mm). *Please state diameter when ordering.*

- YB-001 1-ounce coil
- YB-002 Individual string with hitching eye



### RED BRASS WIRE

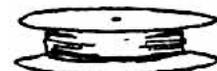
Low-tensile high-density brass alloy with a low zinc content (~15%, sp. gr. ~8.80). Traditionally used for the low notes in harpsichords. Diameters available: .018" (.45 mm); .020" (.51 mm); .022" (.56 mm); .024" (.61 mm); .026" (.66 mm). *Please state diameter when ordering.*

- RB-001 1-ounce coil
- RB-002 Individual string with hitching eye

### PHOSPHOR BRONZE WIRE

Spring temper bronze wire (sp. gr. 8.78). Maximum recommended scaling for c" is 10 1/2" (265 mm) at modern pitch (a-440) or 11" (280 mm) at low pitch (a-415). Diameters available: .009" (.22 mm); .010" (.25 mm); .011" (.28 mm); .012" (.30 mm); .014" (.35 mm); .015" (.38 mm); .016" (.40 mm); .018" (.46 mm); .020" (.51 mm); .022" (.56 mm); .024" (.61 mm). *Please state diameter when ordering.*

- PB-001 1-ounce coil
- PB-002 Individual string with hitching eye



## HARPSICHORD WIRE

Tinned steel wire of a low tensile strength (sp. gr. 7.86). Maximum recommended scaling for c" is 13 1/2" (34 cm) at modern pitch (a'-440), or 14 1/4" (36 cm) at low pitch (a'-415). Diameters available: .008" (.20 mm); .009" (.22 mm); .010" (.25 mm); .011" (.28 mm); .012" (.30 mm); .014 (.35 mm); .014" (.35 mm); .016" (.40 mm); .018" (.46 mm); .020" (.51 mm). *Please state diameter when ordering*

- LT-001 1-ounce coil
- LT-002 Individual string with hitching eye

## MUSIC WIRE

High carbon spring steel music wire (sp. gr. 7.86). Maximum scaling for c" is 16" (40 cm) at modern pitch (a'-440). Diameters available: .006" (.15 mm); .007" (.18 mm); .008" (.20 mm); .009" (.22 mm); .010" (.25 mm); .011" (.28 mm); .012" (.30 mm); .014" (.35 mm); .016" (.40 mm). *Please state diameter when ordering.*

- SS-001 1-ounce coil
- SS-002 Individual string with hitching eye

## TOOLS

### EXTENSION DRILL

#54 aircraft extension drill 6" (150 mm) long. Used for drilling pilot holes for hitchpins close to the rim.

- T-002 #54 extension drill.



### HITCHPIN PUNCH

3 1/2" (9 cm) long. Used to drive hitchpins to a uniform reveal of 3/16" (4.75 mm). Also helps protect against accidental hammer blows to the case.

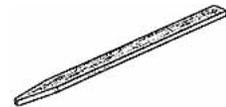
- T-003 Hitchpin punch



### KEY LEVER MORTISE PUNCH

Handy tool used for enlarging balance pin mortises when relieving keys. *For 3/32" diameter balance pins only.*

- T-004 Key punch



### SCALPEL HANDLE & BLADES

Used for voicing plectra, cutting felt, leather etc. Order T-006 Blades.

- T-005 Scalpel handle
- T-006 #11 scalpel blades, 5/pack



## SCREWDRIVER

Jeweler's screwdriver used for top adjustment screw in Hubbard jacks and others.

T-007 Jeweler's screwdriver



## TUNING FORKS

Finest blued Sheffield tuning forks with plastic case.

T-008 "C" 261.6 Hz for tuning to modern pitch

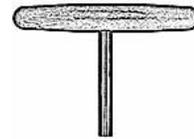
T-009 "B" 493.9 Hz. Use to tune "C" for standard low pitch



## TUNING HAMMER

T-type star recess tuning hammer for zither pins. Hardwood handle and polished steel shaft.

T-010 Tuning hammer



## HARPSICHORD KITS

Hubbard Harpsichords offers five instruments in kit form. Designed with the amateur woodworker in mind, Hubbard kit instructions explain in detail the procedures for assembly, decoration, and voicing of the instruments and manage in the process to impart a great deal of information on the art of antique and modern instrument making. As much as possible, the details of the original, whether involved with the production of sound, the feel of the action, or merely an ingredient of the style and practice of the period, have been retained. We have not designed in any short cuts to make amateur assembly quick or easy; but with diligence, any amateur woodworker can follow the instructions and produce a thoroughly professional instrument. For more information concerning musical instrument kits and options please call or write for our kit brochure

## PUBLICATIONS

### BOOKS

*Three Centuries of Harpsichord Making*, Frank Hubbard. Studies the traditions of harpsichord making in Italy, France, Flanders, Germany, and England in the 16th, 17th, & 18th Centuries. 373 pp., 79 illustrations. Harvard University Press 1965

B-001 Three Centuries of Harpsichord Making - currently out of print

*The Historical Harpsichord: A Monograph Series in Honor of Frank Hubbard, Vol. I.* Introduction, Howard Schott; Preface, Gustav Leonhardt; *Reconstructing the Harpsichord*, Frank Hubbard; *The Surviving Instruments of the Blanchet Workshop*, William Dowd. 115 pp., illustrations. Pendragon Press, 1983

B-002 The Historical Harpsichord, Vol. I.

*The Historical Harpsichord*, Vol. II. *The Metallurgy of 17th- & 18th-century Harpsichord Wire*, Martha Goodway & Scott Odell. 143 pp., illustrations. Pendragon Press 1989

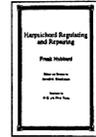
B-003 The Historical Harpsichord, Vol. II. - currently out of print

*The Historical Harpsichord*, Vol. III. *The Identification & Authentication of Italian Stringed Keyboard Instruments*, Denzil Wraight; *Cristofori as a Harpsichord Maker*, Herbert Henkel. Pendragon Press 1992

B-004 The Historical Harpsichord, Vol. III.

*Harpsichord Regulating & Repairing*, Frank Hubbard. 43 pp., fully illustrated.

B-005 Harpsichord Regulating & Repairing

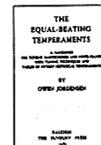


*Keyboard Musical Instruments in the Museum of Fine Arts, Boston*, John Koster. 408 pp., 16 color illustrations, 242 duotones, 79 line drawings. MFA, Boston 1994

B-006 Keyboard Musical Instruments

*The Equal-Beating Temperaments*, Owen Jorgensen. A primer for easy by-ear tuning of harpsichords and fortepianos, including tuning techniques and tables of 15 historical temperaments. 36 pp., The Sunbury Press, 1981

B-007 The Equal-Beating Temperaments



## RECORDINGS

As these commercially available recordings sell out we do not plan to restock. Please check for availability.

*The Virtuoso Scarlatti* Igor Kipnis performs 15 sonatas on five Hubbard & Broekman harpsichords after historical models. Digital Compact Disc. *Chesky Records* CD75 1992.

CD-001 The Virtuoso Scarlatti

*The Music of Armand-Louis Couperin* Jennifer S. Paul performs excerpts from the *Pieces de Clavecin* of 1751 on a Hubbard French double-manual harpsichord kit (Taskin). Digital Compact Disc. *Klavier Records International* 1993.

CD-002 The Music of Armand-Louis Couperin

*Integrale des six Concertos pour deux claviers* Louise Fortin and Pierre Bouchard perform the complete six concertos by Padre Antonio Soler on combinations of two Hubbard French double-manual harpsichord kits (Taskin), organ and *régle*. Digital Compact Disc. *REM Editions, Lyon, France* 1991.

CD-005 Integrales des six Concertos pour deux claviers

***Musical Portraits from the Salons of Paris*** Australian harpsichordist, Elizabeth Anderson, presents character pieces by Forqueray, Duphy & Balbastre. Ms. Anderson is a founding member of the early music ensembles Il Pastor Fido and the Melbourne Bach Orchestra as well as continuo player with the State Orchestra of Victoria. Digital Compact Disc. *Move 3131* 1994

CD-006 Musical Portraits from the Salons of Paris

***Donald Angle on Harpsichord*** The irrepressible Don Angle performs blues, jazz, rock, old folk tunes and marches. Digital Compact Disc. *AFKA* 1990

CD-009 Donald Angle on Harpsichord

***Harpsichord Magic*** More of Don Angle, rags & folk tunes. Digital Compact Disc. *AFKA* 1999

CD-011 Harpsichord Magic

***Bach, Bach & Bach*** Marina Minkin, harpsichord, and Michael Zaretsky, viola, both from the former Soviet Union, perform W.F. Bach, C.P.E. Bach & J.S. Bach. Ms. Minkin uses the 1983 Hubbard & Broekman (after Hemsch) built for and owned by the Boston Symphony Orchestra. Digital Compact Disc. *ARTONIA* 1999

CD-012 Bach, Bach & Bach

***J. S. Bach, The Goldberg Variations*** Kenneth Cooper, harpsichord. The ultimate Bach hit beautifully and vigorously played on a Hubbard French double-manual kit (Taskin) made by Edward Brewer from one of the very first kit sets. Still going strong after all these years. Digital Compact Disc. *Berkshire Bach Society* 2000

CD-017 Goldberg Variations, Kenneth Cooper

***Componimenti Musicali per il cembalo (c1739)*** Joseph Payne, harpsichordist, plays a selection from the mid-18<sup>th</sup> century collection by Gottlieb Muffat that G.F. Handel freely used as a crib. The disc is played on a Hubbard & Broekman (1999) German small double-manual harpsichord (after H. A. Hass). Digital Compact Disc. *Centaur CRC 2502* 2001

CD-018 Componimenti Musicali per il cembalo

***Christoph Graupner, Three Suites*** Canadian harpsichordist Genevieve Soly plays a suite from each of three collections of Graupner's harpsichord music. Refreshing, graceful and easily comprehended music that does not stint in intrinsic musical interest. Graupner was Leipzig's second choice to be Thomas Kantor. Only after Telemann decided to stay in Hamburg and Graupner was unable to win his release from ducal service was J. S. Bach given the nod. The disc is played on a Hubbard & Broekman (1998) German small double-manual harpsichord (after H. A. Hass). Wood jacks & feather plectra - see if you can hear the difference with CD-018. Digital Compact Disc. *Analekta Fleur de Lys FL 2 3109* 2002

CD-020 Christoph Graupner, Three Suites (Vol. 1)

**Stringalong** Don Angle, harpsichordist & Anne Carter, reader. This delightful disk should be given to every child on your Christmas or birthday list. It comprises a wide array of children's poetry (Shakespeare, Lear, Carroll, Prelutsky, etc.) wonderfully read by Anne Carter with accompaniments by Don Angle variously adapted from the classics (Byrd, Bach, Handel, Chopin, etc.) and pop as well as Angle originals. We especially like Charles Causley's *Colonel Fazackerley* set to Byrd and a boogie. Smiles guaranteed for kids and adults alike! Digital Compact Disc. *Private issue CD101* 2001

CD-021 Stringalong

**Girolamo Frescobaldi: Toccate, Partite Capricci and Other Works for Harpsichord** The eminent American harpsichordist Louis Bagger plays a selection of 8 Toccate, 4 Capricci, 2 Canzoni, the 12 Partite Sopra Ruggiero, bunches of dances and two madrigal intabulations. This is eloquent and robust playing, full of gesture and nuance – some of the best Frescobaldi playing you are likely to hear. Extensive notes by the performer. The instrument is an Italian-style single-manual harpsichord (after an anonymous original in the Russell Collection) made for Mr. Bagger in 1969 by Frank Hubbard. Digital Compact Disc. *Titanic TI-259* 2001

CD-022 Girolamo Frescobaldi, works

**A Harpsichord Recital** In this program young harpsichordist Takae Ohnishi frames some of the biggest works of J. S. Bach with pieces by Toru Takemitsu and Lei Liang. By Bach she presents the Chromatic Fantasy and Fugue, D-major Toccata, c-minor Partita and the Ricercare *a 3* from the Musical Offering. The instrument recorded here is by Hubbard & Broekman, 1993, after Taskin. Digital Compact Disc. *Opal Records ORH1311* 2001

CD-023 A Harpsichord Recital, Takae Ohnishi

**Christoph Graupner, Partitas for Harpsichord, Vol. 2** Canadian harpsichordist Genevieve Soly plays two Partitas from Graupner's impressive 1718 publication, *Partien auf das Clavier* followed by several smaller pieces found in manuscript. The program ends with a gigue truly in a class of its own! The disc is played on a Hubbard & Broekman (2002) German large double-manual harpsichord (after H. A. Hass). If you've ever wanted to hear a 16' or a Lute (nasale), this is your chance. Digital Compact Disc. *Analekta Fleur de Lys FL 2 3164* 2003

CD-024 Christoph Graupner, Partitas for Harpsichord (Vol. 2)

## SHOP-RECORDED DEMONSTRATION CDS

These recordings have been made over the span of a few decades as circumstances have allowed. For the life of this project we have endeavored to keep the microphone placement relatively stable so that the essential differences between types will remain discernible even though recorded at different times, in different rooms and with different equipment.

**Two Flemish 17th c. single-manual harpsichords á petit ravalement:** After A. Ruckers 1640 as adapted to an 18<sup>th</sup> c. range in England (?), After H. Moermans 1588 as might have been adapted to an 18<sup>th</sup> c. range in France. *Program: music of Anon, O. Gibbons, J.K.F. Fischer, L. Couperin, H. Purcell, J.S. Bach.* Digital 2001 (33' 20)

CDD-101 Two Flemish single-manual harpsichords

**English 18th c. bentside spinet** after Baker Harris, London, 1765. *Program: music of H. Purcell, G.P. Telemann, J.S. Bach.* Digital 2001 (10' 40)

CDD-102 English bentside spinet

**Italian 17th c. single-manual harpsichord** after Anon, ca 1600. *Program: music of B. Storace, J.K. Kerll, J.S. Bach.* Digital 2001 (20' 35)

CDD-103 Italian harpsichord

**Two Flemish Mother-and-Child 17th c. virginals** (muselar and spinet) after the Ruckers family (also available as kits). *Program: music of A. Cabezon, P. Philips, J. Dowland, O. Gibbons, H. Scheidemann, D. Buxtehude, H. Purcell, J.S. Bach.* Analog 1980 (31' 50)  
See also CDD-108

CDD-104a Two Flemish Mother-and-Child virginals

**Large German 18th c. double-manual harpsichord** after the instruments and practices of Hieronymous Albrecht Hass ca. 1740. *Program: music of G.P. Telemann, C. Graupner, J.S. Bach, W.F. Bach.* Digital 2002 (70' 20)

CDD-105 Large German harpsichord

**Two kit-built French 18th c. double-manual harpsichords** after the instruments and practices of Pascal Taskin, ca. 1770. *Program: music of L. Couperin, J.C. de Chambonnières, J. Pachelbel, J.K.F. Fischer, J.S. Bach, J. Duphly.* Digital 2003, 2004 (66' 16)

CDD-106 French double-manual harpsichord

**Flemish 18<sup>th</sup> c. double-manual harpsichord** after J.D. Dulcken. *Program: music of D. Buxtehude, J.S. Bach.* Analog (1980) (12' 06)

CDD-107a Flemish double-manual harpsichord

**Flemish 17<sup>th</sup> c. virginal (muselar)** after the instruments and practices of the Ruckers family (also available as a kit). *Program: music of Anon, H. Scheidemann, J. Pachelbel.* Digital, 2003 (21' 07) See also CDD-104a

CDD-108 Flemish muselar

*Flemish 17<sup>th</sup> c. single-manual harpsichord* after A. Ruckers, 1640 (restored to original range & disposition). *Program: music of English virginalists; J.P. Sweelinck & his students; D. Buxtehude & J. Pachelbel.* Digital, 2005 (45' 13)

CDD-109 Flemish single-manual harpsichord in original range

### **PLANS, TECHNICAL DRAWINGS, & PHOTOGRAPHS**

Full scale plans (unless otherwise stated) by R. K. Lee produced by direct reading black line diazo on bond paper. All show plan view, elevation, and typical cross sections. (Postage for USA & Canada included.)

#### **ANDREAS RUCKERS, SINGLE-MANUAL HARPSICHORD, ANTWERP, 1640**

Disposed 1x4', 1x8', shows original C/E - c<sup>3</sup> (45 notes, short octave), and 18th-century ravalement C - d<sup>3</sup>

PE-001 1640 Ruckers plan

PH-001 16 color-controlled 12 x 18 cm photographs

#### **IOHANNES DE PERTICIS, SINGLE-MANUAL HARPSICHORD, FLORENCE, 1681**

Disposed 2x8', C/E - f<sup>3</sup> (50 notes, short octave), A=385Hz. Strung in brass wire.

PE-002 1681 Peticis harpsichord plan

#### **IOHANNES DE PERTICIS, POLYGONAL VIRGINAL, FLORENCE 1684**

Disposed 1x8', C/E - c<sup>3</sup> (45 notes short octave), A=385 Hz. Strung in brass wire.

PE-003 1684 Peticis virginal plan

#### **R. K. LEE/DELIN, SINGLE-MANUAL HARPSICHORD/CLAVICYTHERIUM 1752**

Disposed 2x8', GG - g<sup>3</sup> (61 notes), buff. Includes full scale plates and mylar layout templates detailing tools, jigs, and fixtures for experienced woodworkers not familiar with harpsichord construction. Either a single manual harpsichord or a clavicytherium can be built from this plan.

PE-004 R. K. Lee/ Delin harpsichord/clavicytherium plan

#### **F. E. BLANCHET, DOUBLE-MANUAL HARPSICHORD, PARIS, 1765**

Disposed 2x8', 1x4'; FF - f<sup>3</sup> (61 notes), coupler, buff. Plans consist of two plates at 1/4 scale.

PE-005 1765 Blanchet plan

PH-002 Set of photographs detailing soundboard, painting

#### **J. P. BULL, DOUBLE-MANUAL HARPSICHORD, ANTWERP, 1778**

Disposed 2x8', 1x4'; FF - f<sup>3</sup> (61 notes); peau de buffle, lute, buff.

PE-006 1778 Bull plan

## **H. HEMSCH, DOUBLE-MANUAL HARPSICHORD, PARIS, 1756**

Disposed 2x8', 1x4', FF - e<sup>3</sup> (60 notes), coupler, buff. Includes a contour drawing of the Louis XV stand

PE-007      1756 Hemsch plan  
PH-003      4 color-controlled 20 x 25 cm soundboard photographs

## **ANONYMOUS, RENAISSANCE POSITIVE ORGAN, CA. 1550**

Compass F - a<sup>2</sup>; Disposed gedackt 4', principal 2', quint 1 1/3', and zymbel 1/2'. Plans consist of two large plates at 1/2 scale.

PE-008      Positive Organ plan

## **POSTERS**

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Enlarged Reproductions (19" x 25") of Plates VI, XIII, & XXIII from *Three Centuries of Harpsichord Making*

P-001      Plate VI  
P-002      Plate XIII  
P-003      Plate XXIII  
P-123      All Three Plates

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