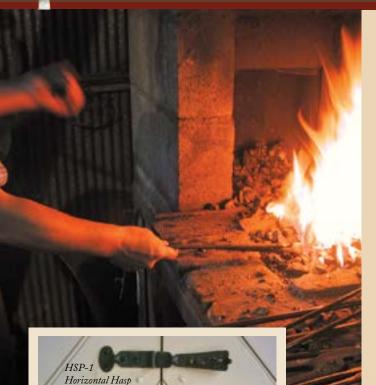
) -

with Hook

HAND FORGED HARDWARE



e are very proud of the incredible products our blacksmiths create. Each piece is a museum quality work of art. Each is individually crafted by one of our six blacksmiths.

We keep as much iron hardware as possible in stock at all times; but there are times when demand exceeds the smiths' capacity to keep up. If you are planning a large job, it is always a good idea to notify us of your requirements and timetables.

Because each item is forged one at a time, sizes are approximate. All of our hardware is forged in coal or gas forges and then drawn out and shaped with a hammer and anvil. We use a linseed oil finish, and sometimes wax is added for color, sheen and preservation. This is the traditional method. Hand forged iron will rust when used outside.

Many items are available in three decorative patterns: Heart, Bean, and Ball & Spear. When choosing grips, latch sets, and strap hinges, please specify the pattern you prefer.

CARE AND MAINTENANCE OF EXTERIOR HAND FORGED IRON

HF-14G

Bean

Because all of our iron hardware is made using traditional methods, it will rust unless properly maintained.

After exterior iron is installed, coat it thoroughly with either linseed oil and/or wax. It is best to use linseed oil first and then wax a few days later.

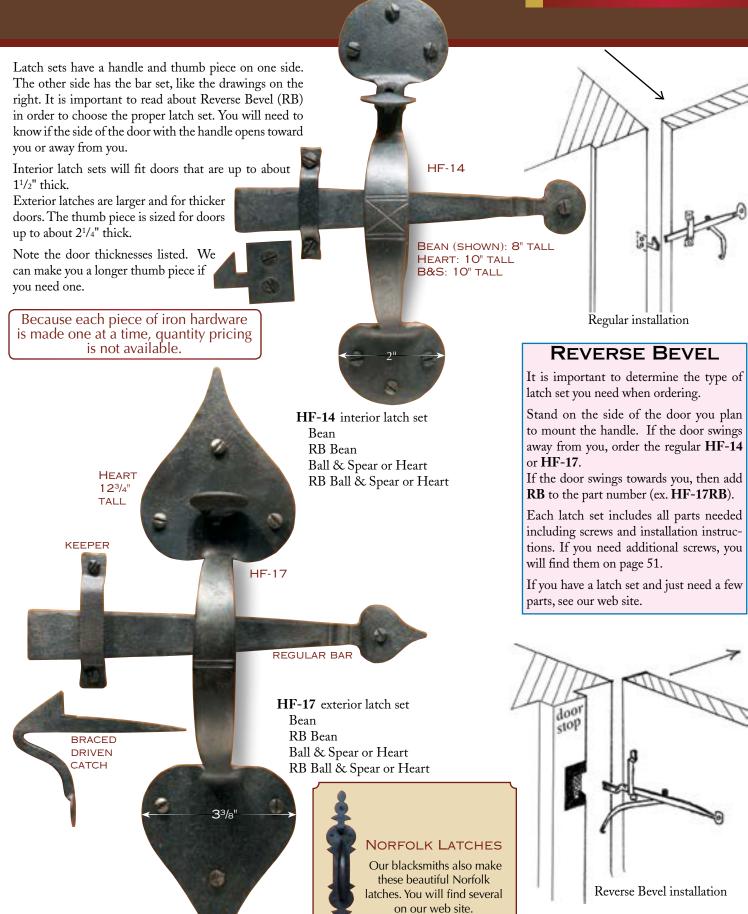
Linseed oil will penetrate the iron, but be careful! Rags soaked in linseed oil can self ignite. Follow the directions on the can.

Wax provides a protective coating. Use any good paste wax.

No matter which method you choose, you will want to check the iron and re-coat periodically at the first sign of rust or every 6 months, whichever comes first. After three years, you should have sufficient buildup to last many years.

Live on the ocean? Iron exposed to salt air will rust regardless of treatment. Iron must be painted or powder coated to deter rusting.





FORGED IRON KNOBS

These knobs are actually turned first and then the final finish work is done in a forge. They complement hand forged hinges or grips beautifully.

ROUND TOP

BK-8 11/8" dia.

BK-10 15/8" dia.

FLAT TOP

BK-1 3/4" dia.

BK-2 15/16" dia.

PEWTER KNOBS

These turned pewter knobs look quite distinctive when combined with hand forged black iron hinges. The hues of the gray compliment the hand worked, blackened iron very nicely.

PK-13 11/8" diameter

PK-14 13/8" diameter

FORGED WIRE PULLS

Mount at almost any angle

These graceful wire pulls are more contemporary in design. The smaller grip is quite nice for small drawers, doors, or boxes. Both pulls can be used mounted at almost any angle.

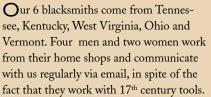
Wire pulls shown at HALF size

HF-19

HF-20

HF-19 overall size: 1¹/₂" **HF-20** overall size: 2⁷/₈"

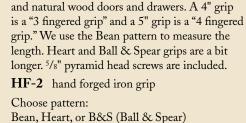




Molly and George have their home and forge in the beautiful mountains of West Virginia. True homesteaders, they have built their house beyond the reach of electric and phone utilities. They forge in the traditional manner, with coal, muscle and hand-operated blower. Molly and George make our latch sets, grips, and butterfly hinges.

BALL &

SPEAR



These iron grips look lovely on both painted

IRON GRIPS

Perfect for cabinets



Available stock in 4" or 5"



Molly and George making grips in West Virginia







BEAN

HF-2 5"



WROUGHT IRON BUTTERFLY HINGES

All of these cabinet hinges are for flush mounted (inset) doors. We can make these hinges in non-stock sizes – larger, smaller, heavier, thinner – or we can make them for offset doors. Modifications of stock hinges usually double their cost. See pages 57-63 for door hinges – they are made from thicker material for holding the greater weight of doors.

Butterfly hinges are frequently used on corner cupboards, kitchen cabinets, bible boxes and candle boxes.

HF-12 1¹/₂" x 2" 2" x 2" 2¹/₂" x 3"

HF-63 early Massachusetts hinge ideal for narrow framing $3" \times 1^{1/2}"$

HF-60 Lancaster County hinge 3³/₈" x 2"





HAND FORGED H & HL CABINET HINGES

Perfect for cabinetry, built-ins, and media centers. Hand made in a coal forge, the edges are beveled and the texture and quality of the forge work is very evident. Surface mounted with black pyramid head screws (included). For special sizes or hole configurations, contact Orion.

HF-7 H hinge Available stock in 3" or 4"

HF-8 HL Hinge Available stock in 3" or 4"

Terry — Master Smith



Terry is a Tennessee native who has been blacksmithing for more than 20 years. He makes our long strap hinges, H and HL hinges. He is a big part of our ability to undertake such a wide range of custom forging – he translates a customer's vision into a unique, and very solid reality.



HAND FORGED CABINET BUTT HINGES

Made from iron about the thickness of a dime, these hinges mount like any butt hinge, and the frame and edge of the door are mortised to fit the thickness of the hinge. Do you have an old cast iron door hinge that is quite thick and has broken? If so, see our larger iron butt hinges.

HF-30 1¹/₂" x 2" HF-32 2" x 2"



HF-32



H & HL INTERIOR DOOR HINGES

H and HL hinges were used on all types of interior doors in colonial homes. Perfectly suited for closet doors, passage doors, and pantry doors, I have even seen them on large media cabinets.

These are fully hand made in a coal forge. The edges are bevelled and the texture and quality of the forge work is very evident. Linseed oil is allowed to penetrate the iron and the resulting color is a natural, dark hue that shows the hand work well.

H & HL hinges are surface mounted with black pyramid head screws, which are included. Special sizes or hole configurations are available.

How does custom work?

We invite custom work. The first step is to call or email Orion to discuss your needs. Orion will give you a price and an actual delivery week! No vague promises or timetables, we schedule every custom job and know exactly when it will be shipped. It is that simple! Orion can be phoned at (800)754-9127 or emailed: orion@horton-brasses.com

HF-7 H Hinge for flush mounted doors

23/8" wide & 6" tall

25/8" wide & 7" tall



HF-8 HL Hinge for flush mounted doors

51/4" wide & 6" tall

6" wide & 7" tall



LARGE BUTT HINGES

Butt hinges were common in the 19th century in two styles: lift off and regular. Made from cast iron, they were heavy and supportive, but very brittle. Over time they cracked and today there are far more bro-



ken cast iron hinges than there are intact ones.

To improve on this, we start with strong, commercial, steel hinges; reworked in a coal forge. We add beveled edges, texture and a hand worked finish. The blackened oil finish looks well aged and blends with period furnishings very nicely. Custom sizes and hole placements to match old hinges are available. Please call Orion at (800)754-9127.

Use the search term HF-34 to view online.

HORTON BRASSES' PRIVACY POLICY

Pure and simple. We do not sell, share or in any way disclose your name, address, telephone number, or any other information about you to anyone for any reason. Period.





The small straps shown here are for flush mounted (inset) cabinet or cupboard doors. They are *not* for closet or room doors. Door hinges are shown below. Other door hinges are on page 57 and pages 60-63.

These straps can be jamb mounted (mortised into the jamb) or face mounted on the cabinet frame. Screws and instructions are included for both methods of installation.

If you need 3 hinges, order a pair and a half. Pricing for a single hinge is half the pair price.

HF-9

choose Bean, Heart, or Ball & Spear



All hardware is supplied with all the fasteners needed for installation.

STRAP HINGES FOR DOORS

for flush mounted doors

HF-15 strap hinges are made from ³/₁₆" thick material that is 1¹/₂" wide. Each hinge is drawn out in the traditional way and rolled around a 1/4" diameter pin. The butt plate is 3" tall and 21/4" wide (including the barrel) and can be mortised into a door jamb, or surface mounted on the trim or frame surrounding the door.

The usual rule of thumb is that a strap hinge should reach about ²/₃ across the door. We stock 14" hinges (doors up to 22" wide), 20" hinges (doors up to 32" wide) and 24" (doors up to 36" wide). We are happy to make other lengths or configurations.

These hinges are for interior doors of normal weight. If your door







JAMB PINTLES are the strongest pintles and generally used in most situations. The plate of a jamb pintle is mortised into the door frame (jamb) like any butt hinge. It is attached with long screws. Both the mortise and the screws provide excellent strength and holding power. We stock three sizes, one for each of the stock straps. Other sizes can be special ordered.

DRIVEN PINTLES are the method of choice if you are mounting into brick, stone or cement. In existing masonry, a long hole is drilled to accommodate the spike and the spike is cemented into place. Historically, driven pintles were also used in wood. This method is very difficult and driving pintles into wood should only be done by a seasoned professional. We stock ½ diameter driven pintles. Other sizes can be special ordered.

SCREW-IN PINTLES often called farmers pintles, are a commonly produced custom pintle configuration. They are similar to the **HF-36** driven pintles, but instead of the spike for masonry they have a threaded lag screw end. They can be handy for duplicating the appearance of a driven pintle without the tricky installation. They do have a tendency to rotate once installed so we recommend them for lighter doors only. Please call us to discuss your specific application.

SURFACE PINTLES are for unusual situations like shutters, and are always made to order. Call us to discuss your requirements.

We make custom pintles and straps in many configurations. Feel free to call Orion at (800)754-9127 or email him at **orion@horton-brasses.com** to discuss your situation. Custom work and special order items generally take 4-6 weeks. It is always wise to call well in advance of your estimated completion date.

PINTLES

HF-37 Jamb mounted pintles 1½" tall pintle to fit 1½" wide straps 1½" wide x 2½" tall x ¾16" thick plate overall size: 2½" x 2½" 2" blackened flat head screws (provided)

1/2" dia. pintle (stock item)

HF-36 Driven pintles 1¹/₂" tall pintle to fit 1¹/₂" wide straps 4¹/₂" long shaft with retention barbs

1/2" dia. pintle (stock item)

HF-35 Screw-in pintles
11/2" tall pintle to fit 11/2" wide straps
21/2" long threaded shaft

¹/₂" dia. pintle (stock item)

HF-38 Surface mounted pintles 1½" tall pintle to fit 1½" wide straps 1½" wide x 2½" tall x ¾16" thick plate 2" blackened flat head screws (provided)

1/2" dia. pintle



STOCK PINTLE STRAP HINGES

We try to keep straps on hand in 4 lengths, 3 widths, 3 patterns, and 2 thicknesses! That is a lot of stock. Sometimes, no matter how hard we try, we run out. If we are out of stock iron, the wait is usually less than 4 weeks. Special lengths, ends, or pintle sizes can be made up, call us so we can discuss your preferences.



HF-40 - 11/2" WIDE STRAP HINGES

Long, narrow straps were common in New England. The HF-40 straps we keep in stock fit doors up to approximately 36" wide and are suitable for interior or exterior applications. See pages 62 & 63 if your door is wider.

Choose from pintle styles on the left hand page and straps below to hang your door. Please tell us the thickness of your door so we can provide the correct screws.

HF-40 straps ³/₁₆" thick x 1¹/₂" wide these straps all fit 1/2" diameter pintles Choose length and pattern—Heart, Bean or Ball & Spear

20" long (for doors up to 32" wide) 24" long (for doors up to 36" wide)

HF-41 - 11/2" WIDE DUMMY STRAPS

The same strap as our HF-40 hinges is available without the barrel as a non-functioning decorative hinge. They provide the beauty of a strap hinge on doors that are already hinged or don't need hinges, such as overhead garage doors. Choose from three patterns.

IRON RUSTS!

It is very important that you read the maintenance information on page 52 before ordering these hinges.

Other sizes of pintles and straps are available in stock & custom sizes.

> See larger stock sizes on page 62 & 63.



Hand Forged Straps & Pintles

IRON RUSTS!

Please see maintenance information on page 52.



³/₄" diameter x 2" tall pintle



DO YOU NEED 3 HINGES? Easy! Order 1½ pair.

⁷/₈" diameter x 2¹/₂" tall pintle



STOCK PINTLES

Large, heavy doors need lots of support. The best way to do that is to cut a mortise. Mortised hinges are incredibly strong because they rely on both the screws and the mortise to support the weight of a door while it is opening and closing.

Jamb mounted pintles have a steel plate that is mortised into the jamb. They are no different to install than regular butt hinges and they work just as well. We stock 2 sizes for large doors, but any size can be made up for you.

Most doors can be supported with 2 hinges. Exceptionally tall doors will sometimes use 3 or even 4 hinges. Other times the design of the door is such that 3 hinges look better than 2.

We invite custom work. The first step is to call or email Orion to discuss your needs. Special size pintles and pintle plates as well as straps with special offsets, arches, lengths, and ends can be made for you. Orion will give you a price and a firm delivery date. He can be reached at (800)754-9127 or **orion@horton-brasses.com**

HF-47 Jamb mounted pintles

plate size: 2½" wide x 4" tall x ½" thick with 5 holes 2½4" blackened flat head screws (provided) 3/4" dia. pintle (stock item)

HF-57 Jamb mounted pintles

⁷/8" dia. pintle (stock item)

plate size: $2^{1}/2^{n}$ wide x 4" tall x $^{1}/4$ " thick with 5 holes $2^{1}/4$ " blackened flat head screws (provided)

2" tall pintle to fit 2" wide straps overall size: 4" x 4"

2¹/₂" tall pintle to fit 2¹/₂" wide straps overall size: 4" x 4"

STRAP HINGE COMPARISON GUIDE

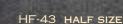
San A San San

. .

21/2" wide x 32" long

11/2" wide x 24" long

2" wide x 28" long



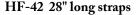
LIFE



STOCK PINTLE STRAPS

Large doors require wider, thicker and longer straps. We stock 2 lengths of straps for large doors.

The straps shown on this page are ¹/4" thick and suitable for heavy exterior doors. Determine the length you need by calculating ²/3 the width of your door. Straps should reach at least ²/3 across. Exceptions can be made, for example dutch doors or hayloft doors can be supported with hinges that reach only ¹/2 way across. If you want either of these hinges without the barrel to use as a dummy hinge let us know for customization.



fits HF-47 3/4" pintles

suitable for heavy doors up to 42" wide 2" wide x 1/4" thick with 5 holes choose pattern: Heart, Bean or B&S

HF-43 32" long straps

fits HF-57 ⁷/₈" pintles

suitable for heavy doors up to 48" wide $2^{1}/2$ " wide x $^{1}/4$ " thick with 5 holes choose pattern: Heart, Bean or B&S



BEAN

FASTENERS INCLUDED

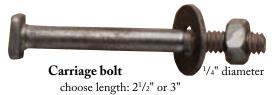
All hardware is supplied with all the fasteners needed for installation.

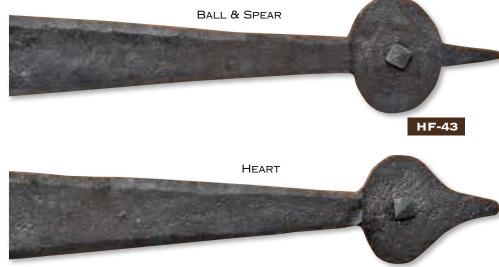
LAGS AND BOLTS

Generally straps as large as these are mounted with either lag screws or carriage bolts (not included). Special lengths and diameters can be ordered.



Lag screw 1/4" diameter choose length: 11/2", 2", 21/2"





BARN DOOR CANE BOLT

Locks top and bottom of doors

When two doors come together without a post in the center of the opening, a cane bolt is needed. Usually the right door latches against the left door. The left door is "fixed" shut by a bolt down into the floor or ground, a bolt up into a timber or both.

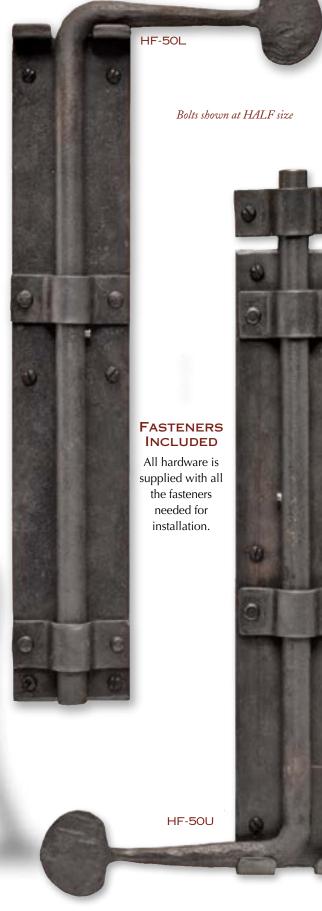
The mounting plate is 13" long and the bolt has a 4" throw.

HF-50L lower door HF-50U for top of door

CUSTOM HAND-FORGED SLIDE BOLTS

Many different gates and doors require slide bolts that are fitted just right. Call or email Orion (800)754-9127 or **orion@horton-brasses.com** to discuss you specific needs.





overall size: 121/4" x 11/2"

HAND FORGED IRON HOOKS

Our blacksmiths make a wide selection of hooks for you to choose from. Use them for coats, potholders, pans, kitchen utensils-the possibilities are endless.

With twist, screw-in, and S-shaped options, hand-forged iron hooks fulfill various needs and necessities in homes and buildings. Complement a kitchen with lightweight hooks, or finish off a décor project with a sturdy option for supporting a chandelier. Multiple sizes, types, and weights allow you to find a precise fit.

All iron hardware is supplied with pyramid head screws.

HF-5 heart hook inside opening: 3/4"

2" long

HF-5H open heart hook inside opening: 11/8"

31/2" long, 2" wide heart

HF-13 drive hooks

4" long

screw in ceiling hook



HF-4S

6" long

41/4" long

HF-3

HF-4

FASTENERS INCLUDED

All hardware is supplied with all the fasteners needed for installation.

HF-13 4"

Visit our website anytime: www.horton-brasses.com
See our newest products and additional technical information,
place orders, request a catalog, or email us.

HF-3

HF-16 iron twist hooks
2" long
3" long
4" long
HF-4 crane hook
Crane hooks are great for hanging bird fee

Crane hooks are great for hanging bird feeders and wind chimes from gutters and tree limbs.

10" long

HF-4S chandelier hooks 6" long HF-1 beam hook 11/2" long

 $3", 3^{1/2}", 4"$

HF-1 3"

HF-1 11/2

WE MAKE ORDERING EASY!

How to Place Your Order

Phone us

(800)754-9127 or (860)635-4400 — You can always reach us Monday through Friday from 8:30 A.M. - 5:00 P.M. east coast time. If we are here after hours, and we often are, we will answer the phone. Our phones are always answered by trained staff. Voicemail answers only if we are all on the phone with customers; and we will get back to you very soon. After hours our answering machine will allow you to leave a message.

Order on-line

http://www.horton-brasses.com and you will find our complete catalog. We offer a secure form for ordering. As new items are introduced, they are placed on the web site.

Fax us

Orders may be faxed anytime. **(860)635-6473**.

Mail us

Horton Brasses Inc. 49 Nooks Hill Rd. • Cromwell, CT 06416

PAYMENT

All orders are prepaid, unless you have previously established open account privileges with us. We accept Visa, MasterCard, Discover, American Express, personal checks, business checks, money orders, cash, or direct bank transfer. All payments must be made in US funds. International orders are easily paid for with credit cards or by direct bank transfer. We will be happy to ship your order COD within the United States. Carriers charge a COD fee, which is included in the order total. Please provide your full street address and telephone number because COD orders will be shipped Federal Express or UPS; and not the US Postal Service.

RETURNS

You may return hardware for exchange or refund. Please contact us first, and try to return the hardware within 60 days. If you find that you cannot use the hardware you have ordered, we will issue a full refund of the purchase price (excluding the labor charge for bright finish, and shipping charges). We will be happy to exchange your hardware if there is another product you want to try. If you find an error in your shipment, please let us know. We will correct it immediately at no expense to you. Our hardware is fully guaranteed, and should function perfectly in the years to come. If there is ever a problem, let us know and we will resolve it.

SHIPPING

All orders are shipped promptly, generally within 3 working days. Most orders are shipped within 24 hours. Backorders are extremely rare, and we never make substitutions.

If you have special instructions (leave at back door, yellow house in rear, etc.) be sure to tell us, so the package can be delivered correctly. We generally use UPS, and the US Postal Service.

International addresses:

We primarily use mail for international orders. If you prefer, we can use FedEx or UPS.

We provide all customs documentation including multiple invoice copies, certificates of origin and an SED when required. We try to make your customs clearance as efficient as possible.

QUESTIONS

Ask questions! Every question is important—please do not hesitate to ask us. This company is in business to solve our customers' problems just as much as it is in business to sell hardware. Between us, we have seen hundreds of innovative solutions that our customers have come up with; one might be for a problem just like yours. We can give you specific details about the hardware, and sometimes we can suggest different combinations that may not be in the catalog.

You are welcome to send us photos of hardware you are trying to match. You can send photos by mail or email. Send email to orion@horton-brasses.com (please use jpg format). If we know someone who has what you need, we will give you their name and phone number. We maintain files on suppliers of many different types and styles of hardware.



HORTON BRASSES INC.

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Cromwell, Connecticut 06416
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email: orion@horton-brasses.com

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ORDERING DETAILS

pages 66-67



49 NOOKS HILL ROAD CROMWELL, CT 06416







NICKEL FINISHES ~

All of our brass furniture and cabinet hardware is now available in custom nickel finishes for a one of a kind blend of traditional and modern style.





