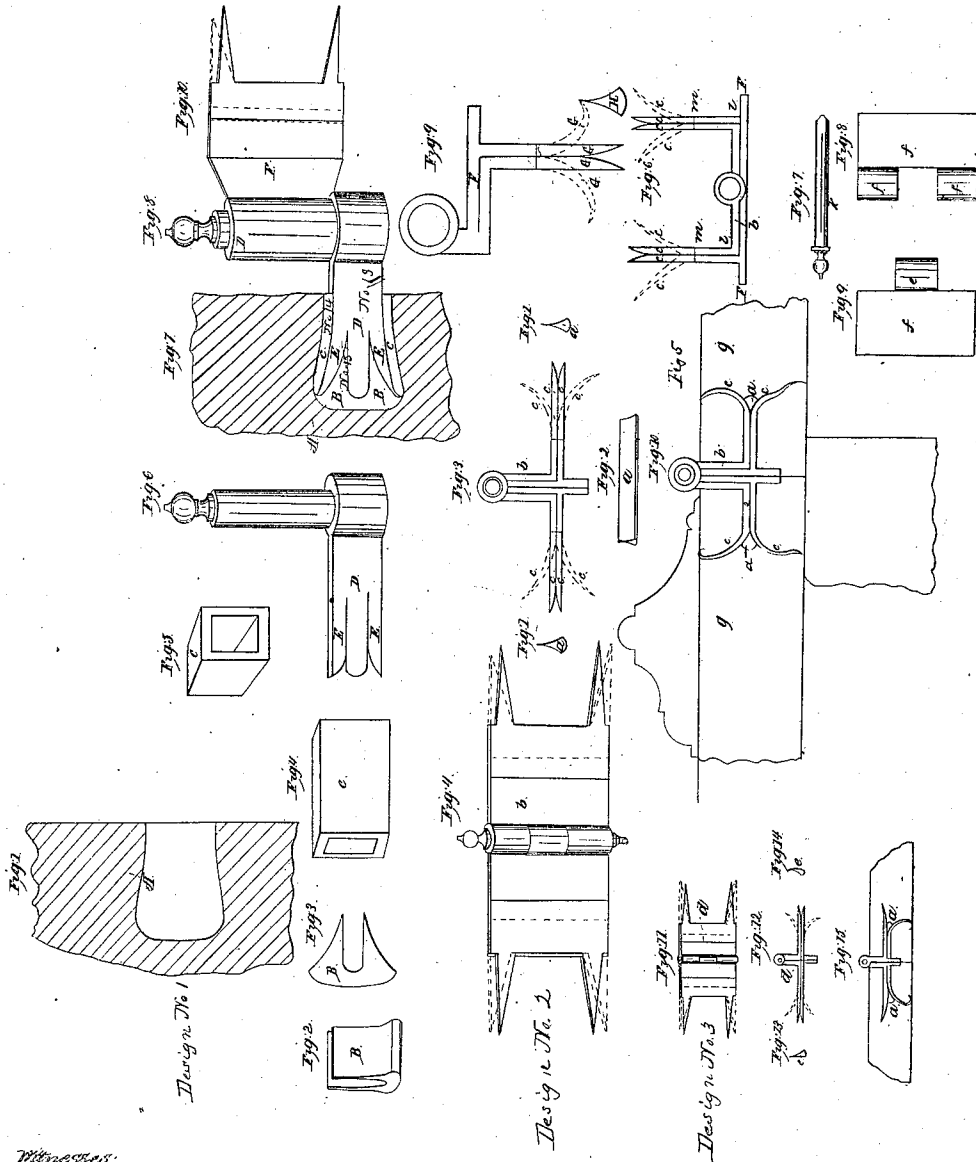


Hinge.

N^o 34,565.

Patented Mar. 4, 1862.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANCIS H. CUYPERS, OF NEWARK, NEW JERSEY.

HINGE AND HOOK.

Specification of Letters Patent No. 34,565, dated March 4, 1862.

To all whom it may concern:

Be it known that I, FRANCIS H. CUYPERS, of the city of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Mode of Applying Forked Prongs, Made to Curve by Means of Wedges, &c., to Certain Kinds of Hinges; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Design No. 1.—No. 1, letter A, shows a stone with hole cut for hook. No. 2, letter B, the wedge in perspective. No. 3, letter B, the wedges in profile. No. 4, letter C, brass or copper casing inclosing the tongues of the hook, to prevent the premature contact of the tongues with the stone or wood. The casing is slit at the lower corners to assist the working of the tongues. No. 5 letter C, the front side of the brass or copper casing. No. 6, letter D, the iron hook before inserted. No. 7, letter A, the iron hook inserted in wood or stone. No. 8, letter D, hook and hinge. No. 9, letter F, hinge in profile. No. 10, letter F, iron hinge (front view) for heavy work in wood. No. 11, letter H, wedge for effecting the fastening of the hinge in wood. No. 12, letter C, dotted lines show position of the tongues of the hinge, when properly fastened. No. 13, letter D, the hook fastened in wood or stone. The following is the mode of inserting and fastening the hook, etc. Letter A, is the hole in wood or stone. (1st) No. 2, letter B, is first placed in the extreme back part of the hole. (2d) No. 4, letter C, is next placed in the hole over the ends of No. 15, B, B, flush with the face of the wood or stone. (3d) No. 6, letter D, is then inserted in the casing, in such manner that the tongues E, E, shall pass over and under No. 15, B, B. (4th) strike with hammer or mallet No. 6, letter D, until effect as represented in No. 13, letter D, results, which will be known by the sound, like that produced by contact with a solid body.

Design No. 2.—No. 1, letter a, the wedge for effecting the fastening of c, c. No. 2, front view of wedge. No. 3, letter b, brass hinge, profile side when closed. No. 4, let-

ter b, back side of hinge. No. 5, letter g, shows part of a door and frame. No. 6, letter b, hinge open. No. 7, letter k, bolt for attaching and detaching hinge. No. 8 letter b, hinge open. No. 7, letter k, bolt left side of hinge. No. 10, letter b, shows hinge fastened in the door which is done as follows: (1st) mark on the wood the length and width of the hinge, cut out with chisel the wood between the mark to the thickness of the hinge, then mortise in the wood to the depth of from l to l m, and in width to letter a. No. 1, as in No. 6, letter b. (2d) place No. 2, letter a, in the hole flush with the face of the wood, take No. 6, letter b, place C, C, over letter a, and press down. No. 6, letter b, to the bottom of the hole, then place a piece of hard wood, on the face of the hinge, and strike with hammer or mallet until result as shown in No. 10, letters a, b, c, is produced.

Design No. 3.—No. 11, letter d, hinge for fancy boxes. No. 12, letter d, profile side of hinge, when closed. No. 13, letter e, the wedge for effecting fastening of the left side of hinge. No. 14, letter e, the wedge for effecting fastening of the right side of hinge. No. 15, letter d, shows the hinge fastened in the wood as in No. 10, letter b, excepting that in No. 10 the end of the tongues tend to the surface, while in No. 15, letter d, the course of one side of the tongues is straight.

That portion of the hinge which is to be inserted in wood is formed with a projecting flange F' which rests against the face of the wood so that a bearing is afforded on both sides of the spikes.

What I claim as my invention and desire to secure by Letters Patent is—

1. The combination of the wedges B, casing C, and tongues E constructed and operating as set forth.

2. The combination of the projecting flange F' with a hinge having tongues expanded or deflected by wedges as hereinbefore explained.

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Witnesses:

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