

H. T. BLAKE.
Covering-Plate for Butt-Hinge.

No. 196,419.

Patented Oct. 23, 1877.

Fig. 1.

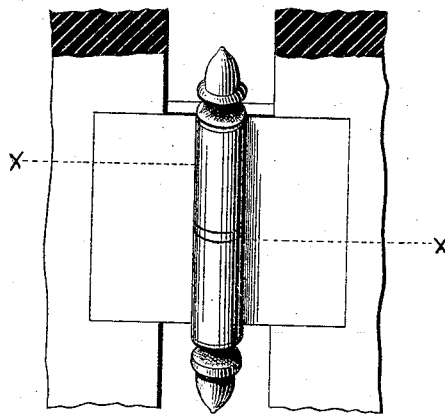


Fig. 2.

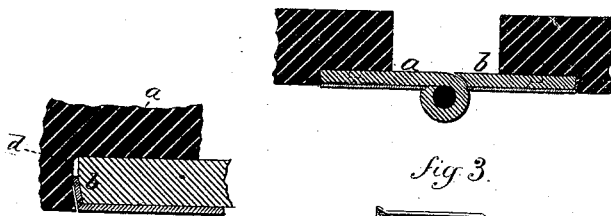
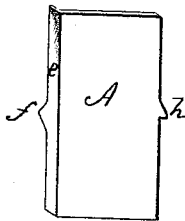


Fig. 3.



Witnesses

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HENRY T. BLAKE, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN COVERING-PLATES FOR BUTT-HINGES.

Specification forming part of Letters Patent No. **196,419**, dated October 23, 1877; application filed June 12, 1877.

To all whom it may concern:

Be it known that I, HENRY T. BLAKE, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Covering-Plates for Butt-Hinges; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a front view; Fig. 2, a transverse section on line *xx*; and in Fig. 3, the covering-plate detached.

This invention relates to an improvement in covers for butt-hinges—that is to say, a cover which is to be applied after the hinge has been attached, and so as to cover and hide the heads of the screws, the object being to employ a thin sheet-metal covering-plate.

Such a plate must necessarily have the edge stiffened, and this can, practically, only be done by turning the plate over and inserting such turned-over edge or flange between the edge of the butt and the shoulder in the wood. It is necessary, however, in order to properly apply a hinge, that it should be set firmly against the shoulder in the wood, and thereby it would not leave sufficient room for the introduction of such a flange.

By this invention these difficulties are overcome; and it consists in constructing the hinge with the outer edges of the flaps beveled outward, the inclination being about equal to the thickness of the cap to be applied, and combined with a cap or covering-plate having the outer edge turned over, and so as to be introduced between the said beveled edge and the shoulder in the wood, as more fully hereinafter described.

a b represent the two flaps of a common hinge, the outer edges beveled, as seen at *b*, the bevel preferably extending about two-thirds the thickness of the flap, and so as to leave a plain edge, as at *d*. The said edge *d*, when the hinge is attached, bears against the wood in the usual manner for other hinges, the amount of inclination being equal to the thickness, or a little more than that, of the cap to be attached.

A is the cap, formed of sheet metal, in size corresponding to the flap of the hinge, its outer edge turned over to form a flange, *e*, in depth nearly the same as the bevel on the edge of the flap, and with one or more prongs, *f*, extending from the edge of the flange inward. These prongs form the subject of an independent application, and are not, therefore, claimed here. The edges of the flaps are recessed corresponding to the prongs *f*.

The hinge is applied and secured in the usual manner, and then the plate A is placed over the flap, the flange *e* introduced into the recess between the edge of the flap and the wood formed by the bevel, and pressed inward until the plate lies close upon the flap of the hinge. The prongs *f*, passing into the wood, serve as an additional security over what would be produced by the flange alone. In some cases the flange alone would be sufficient.

The back edge of the plate is best secured by a slight tongue, *h*, on the inner edge, or other similar extension, which will pass beneath the knuckle of the joint. The edge of the plate may, however, be secured by pins, or otherwise, that security being immaterial to this invention, the essential features of which are the beveled edge, the flange on the plate, and some means of securing the inner edge of the plate.

If desirable, the ends of the plate may be secured in the same manner as the edge, by a corresponding bevel of the ends of the flap, and this would be sufficient security for the inner edge of the flap.

I claim—

The butt-hinge having a portion of the edge of the flaps at the face beveled toward the pintle, and so as to leave a bearing, *d*, as described, combined with the covering-plate having its outer edge turned over, and corresponding substantially to the said bevel, substantially as and for the purpose described.

HENRY T. BLAKE.

Witnesses:

JOHN E. EARLE,
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