G. KAST.

Trunk-Hinge and Corner Iron.

No. 208,398. Patented Sept. 24, 1878.

Fig. 1

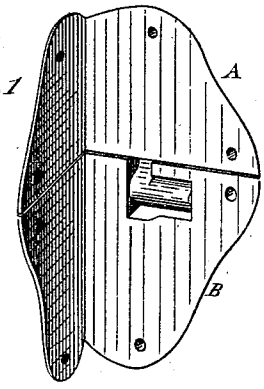


Fig. 2

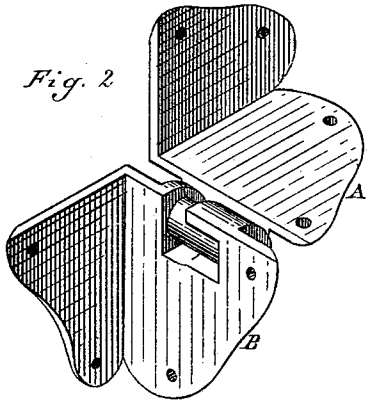


Fig. 3

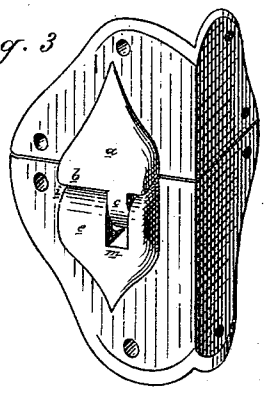


Fig. 4

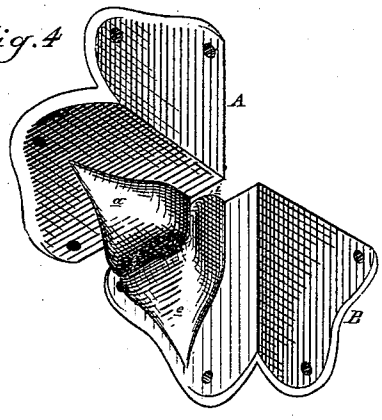


Fig. 5

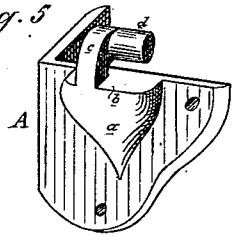
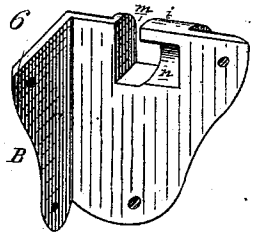


Fig. 6



Attest:

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By Atty

Thos. S. Sprague

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UNITED STATES PATENT OFFICE.

GUSTAVUS KAST, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-HALF HIS RIGHT TO U. KLINCH, AND ASSIGNOR OF HIS REMAINING RIGHT TO CAROLINE R. KAST, BOTH OF SAME PLACE.

IMPROVEMENT IN TRUNK-HINGE AND CORNER-IRON.

Specification forming part of Letters Patent No. **208,398**, dated September 24, 1878; application filed July 17, 1878.

To all whom it may concern:

Be it known that I, GUSTAVUS KAST, of Detroit, in the county of Wayne and State of Michigan, have invented an Improvement in Trunk-Hinges, of which the following is a specification:

The nature of my invention relates to certain new and useful improvements in a combined trunk-hinge and corner-iron, so constructed that it will clamp the sides and ends of the trunk together, and at the same time hinge the top to the body in such a manner that the top may be opened and thrown back nearly into a horizontal plane with the top of the body, and be sustained in that position by the eccentric operation of the hinge, as more fully hereinafter described.

Figure 1 is a perspective of the inner or front side of my improved hinge, unattached, showing it in its position as attached to a trunk when closed. Fig. 2 is a like view as attached to a trunk with the top open. Fig. 3 is a rear perspective, or the reverse of Fig. 1. Fig. 4 is a like view, being the reverse of Fig. 2, looking upward. Figs. 5 and 6 are perspective views of the parts detached.

In the accompanying drawings, which form a part of this specification, A represents the upper part of the hinge and corner-iron, designed to be attached to the lower corners of the trunk-top, preferably made of cast metal, with a projection, *a*, upon the rear, terminating in a shoulder, *b*, on a plane with the lower end of the body of the angle-iron. From this shoulder there projects downward, and with an inward curve, an arm, *c*, forming a segment of a true circle, and at right angles to said arm, and cast with it, is a round stud, *d*, not having the same center with the other circle of which the arm *c* is a segment. B represents the lower half of the hinge and angle-iron, designed to be secured to the upper rear corners of the trunk-body, and it is provided with a projection, *e*, upon the rear, terminating in a rounded shoulder, *i*, terminating on a plane with the upper end of the angle-iron. *m* is a slot through this projection, to receive the arm *c* when the two parts A and B are put together. The inner side of this projection is provided with a half-round socket, *n*, of larger diameter than the stud *d*.

In practice, the two parts A and B being secured to their respective parts of the trunk, the arm *c* is entered from the inner front into the slot *m*, so that the round stud *d* is seated within the socket *n*. When the top is thrown back to the position hereinbefore described, the lower side of the shoulder *b* will rest against the outer face of the projection *e*, while the arm *c* will give an eccentric motion to the stud, forcing it to impinge against the upper part of the socket *n*, thereby forming two points of resistance to the further opening of the top—to wit, the point of impact of the shoulder against the face of the projection, and the like point of impact with the socket to which it has been forced in the eccentric movement of the stud.

I am aware of the reissued Patent No. 7,081, to Anth'y Romadka, April 25, 1876. I am also cognizant of the fact that combined corner-irons and hinges of various constructions are in common use. Therefore, I do not broadly claim such a construction or combination; but

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

The section A of a combined hinge and corner-iron, provided with a projection, *a*, shoulder *b*, curved arm *c*, and stud *d*, in combination with the section B, provided with projection *e*, rounded shoulder *i*, slot *m*, and socket *n*, constructed and arranged to operate substantially as and for the purposes set forth.

GUSTAVUS KAST.

Witnesses:
H. S. SPRAGUE,
A. BARTHEL.