E. Ripley,

Hinge.

No. 8,090. Patented May 13, 1851.

Fig. 1

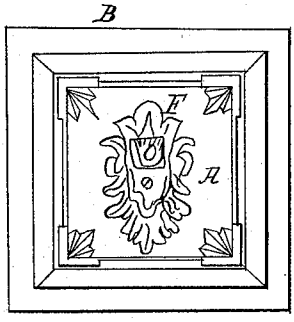


Fig. 2

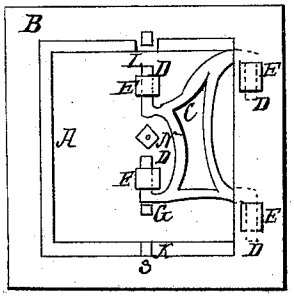


Fig. 4

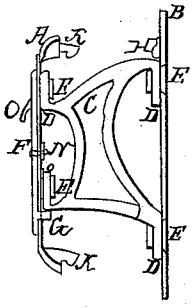
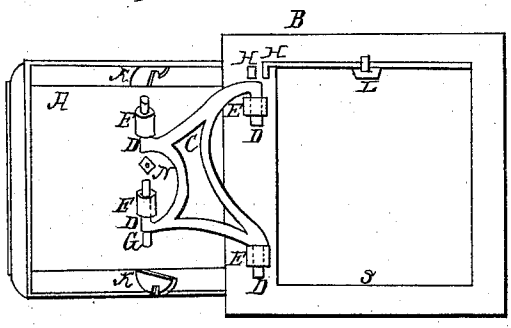


Fig. 3



AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

EZRA RIPLEY, OF TROY, NEW YORK.

CRANE-HINGE FOR DOORS, SHUTTERS, &c.

Specification of Letters Patent No. 8,090, dated May 13, 1851.

To all whom it may concern:

Be it known that I, EZRA RIPLEY, of the city of Troy, county of Rensselaer, and State of New York, have made and invented a new and useful Improvement in the Mode of Hinging or Hanging Doors by which the Hinges are Concealed When the Door is Closed and the Inside of the Door not Exposed When Open; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, which make a part of this specification, in which—

Figure 1 is a front elevation of the door and jambs showing the appearance of the door when closed. Fig. 2 is a view of the back part of the door and jamb showing the manner in which the door is connected to the jamb by the crane hinge. Fig. 3 is a perspective view of the door. Fig. 4 is a sectional elevation of the door and jamb, taken through the center of the door and through the eyes and lugs of the jamb, the same letters referring to like parts in each of the figures.

I construct my doors of any suitable material adapted to the use to which said door is to be applied, and in the following manner, as shown in Fig. 3, in which A is the door attached to the jamb B by the crane hinge C, the door A being attached to the hinge C by inserting the journals or tenons D D into the eyes E E, the eyes and door being all cast in one piece, the said journals or tenons being secured and the door being prevented from being lifted off the journals of the hinge C by the small lug G cast on the face plate F as seen in Fig. 4, and passing through a suitable aperture in the door A and far enough under the bottom journal or tenon D of the crane hinge C to secure the purpose for which it was designed, the face plate F being secured to the door A by the bolt N—the door is opened by lifting with the lifter O on the face plate F sufficiently to unloose the catches K K from the aperture L and the inside bottom edge of the jamb as seen at S Fig. 3, the jamb B being attached to the crane hinge C by inserting the journals or tenons D D into the eyes E E, said eyes being cast on the jamb B, the said journals or tenons D D being secured in the eyes E E, and prevented from lifting out of the eyes by the two small lugs H H which are cast on said jamb, except when the door is opened out far enough to bring the crane hinge C at right angles with the jamb B in which position the door can be lifted from the jamb at pleasure.

The advantages of my improvement consists in its neatness and convenience not only in its application to store doors but to doors or shutters of any description where neatness strength and convenience is desired.

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

The crane door hinge constructed in the manner and for the purpose as herein substantially represented and set forth.

EZRA RIPLEY.

Witnesses:
JNO. J. SAVAGE,
WM. L. SANDERSON.