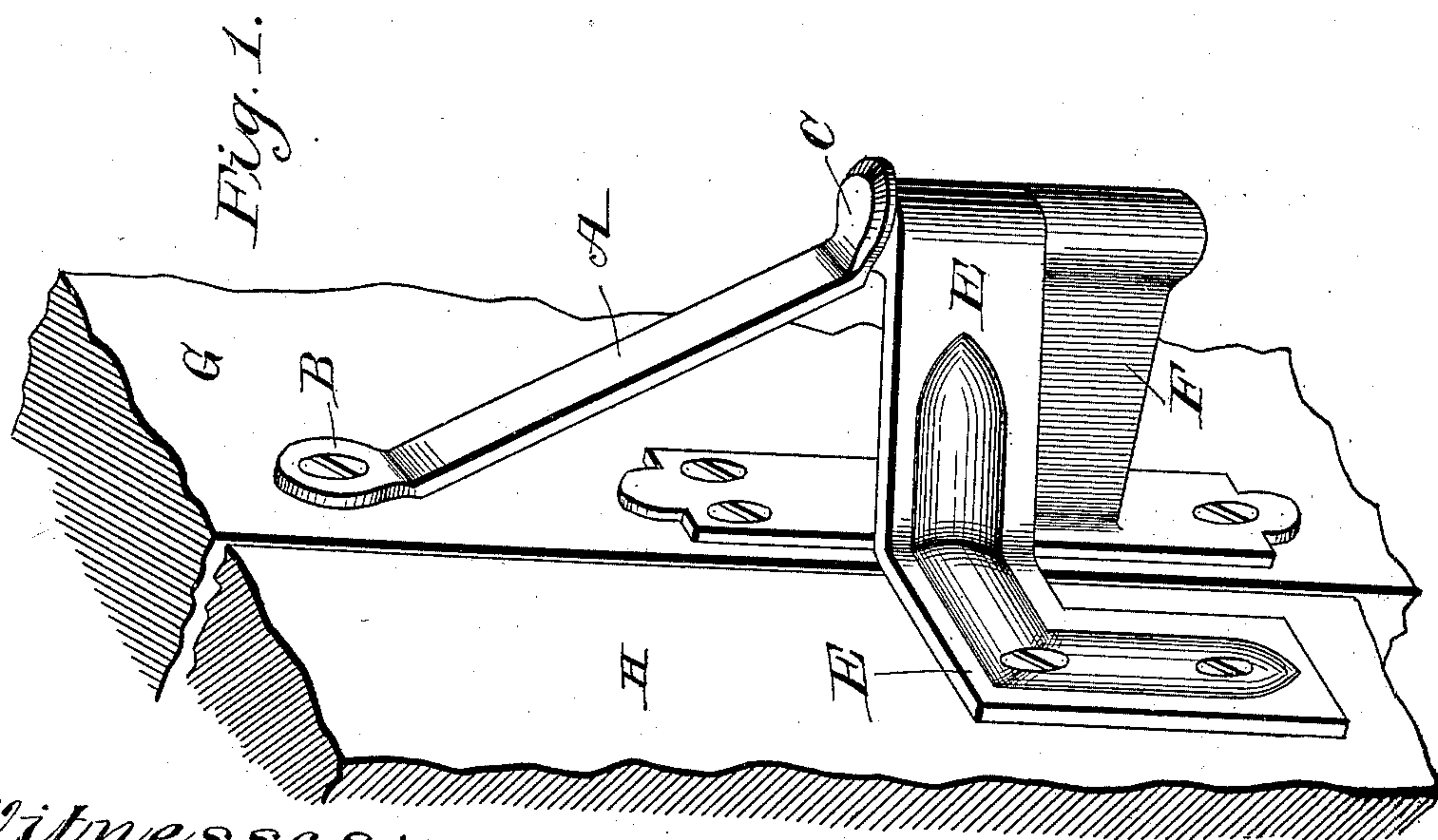
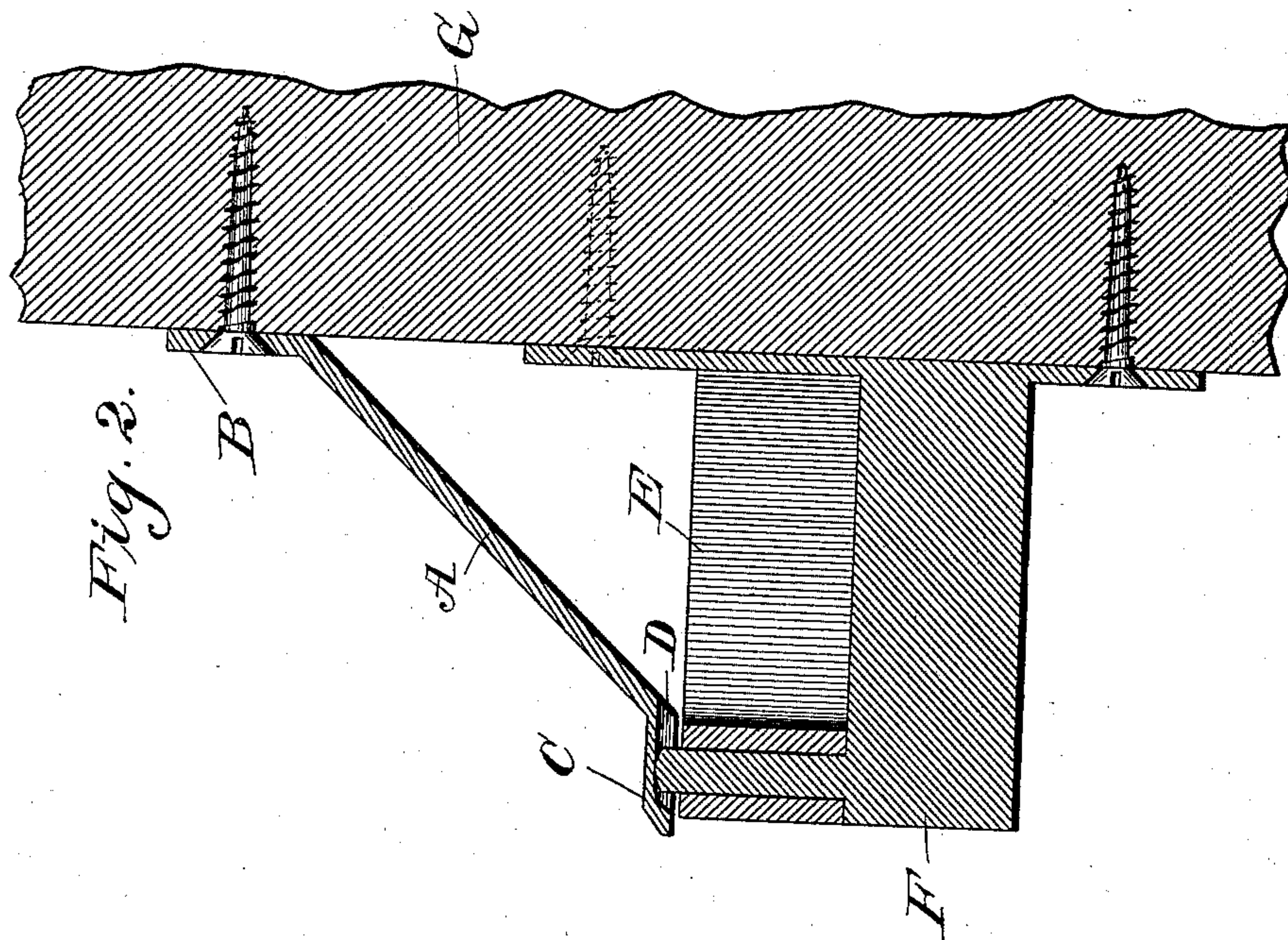


(No Model.)

S. N. CRANE.
HINGE.

No. 418,332.

Patented Dec. 31, 1889.



Witnesses:
E. H. Bristow
C. N. Lane,

Inventor:
Samuel A. Crane

UNITED STATES PATENT OFFICE.

SAMUEL N. CRANE, OF BROOKLYN, NEW YORK.

HINGE.

SPECIFICATION forming part of Letters Patent No. 418,332, dated December 31, 1889.

Application filed December 13, 1888. Serial No. 293,660. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL N. CRANE, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Hinges, of which the following is a specification.

The object of my invention is to prevent the unshipping or displacing of the parts of a hinge when in operation or position; and it consists in the construction and combination hereinafter described. I attain this result by the mechanism and combination illustrated in the accompanying drawings, in which—

Similar letters refer to similar parts throughout the several views.

Figures 1 and 2 represent hinges in position, wherein—

G indicates the wall or casing, and H the shutter or door. The hinge comprises the two plates or leaves E and F, each provided with base-plates at right angles thereto, adapted to be secured, respectively, to the shutter and wall or casing. The plate F carries a fixed pintle, and the plate E is provided with an eye or socket whereby it may be swiveled on the pintle of the plate F.

The letter A indicates what I term a "guard," which consists of a flat bar of wrought, cast, or malleable iron, or other metal, of such length and so shaped as to form a head B for attachment to the wall or casing, and a flattened foot C, having in its underside a groove D, whereby it is adapted to rest on the pintle and above the plate, and thereby prevent the parts of the hinge from being unshipped.

By loosening slightly the screw which affixes the guard A to the wall or casing at B the end C of the guard can be dropped to either side of the pintle F and the parts of the hinge unshipped when required.

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

In a hinge, the combination of the hinge-plate F, carrying a fixed pintle, and the hinge-plate E, having an eye or socket whereby it may be swiveled on said pintle, with the guard A, having the grooved foot C and adapted to permit said foot to rest on the pintle above the plate E, and means for securing said guard to the wall or casing.

SAMUEL N. CRANE.

Witnesses:

ALEXANDER B. CRANE,
ROGER V. BONNELL.