

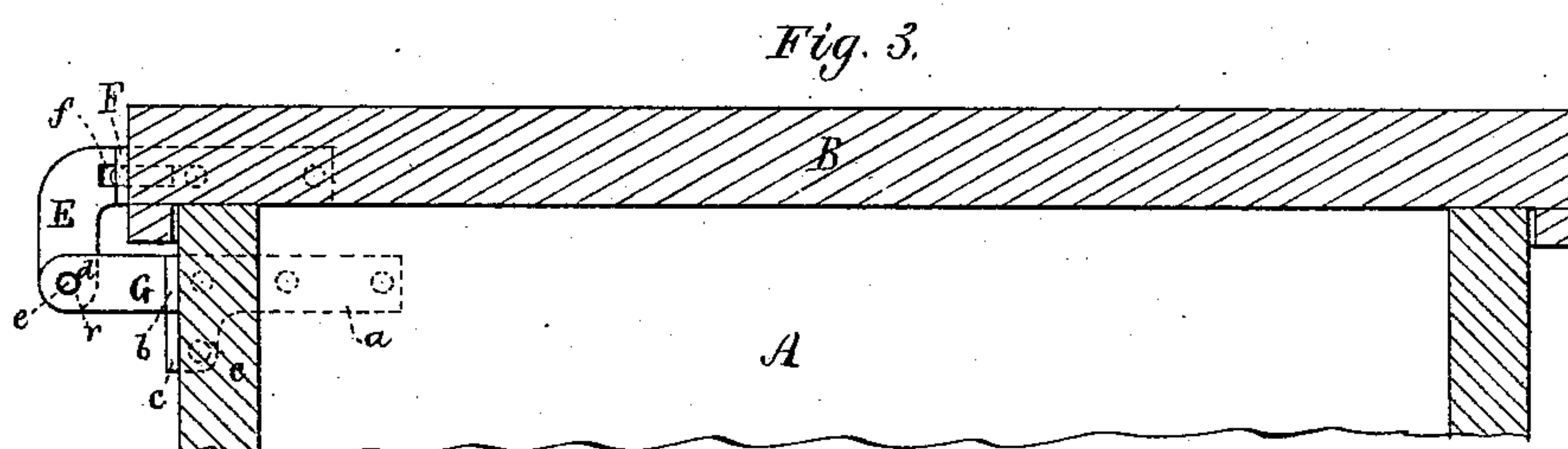
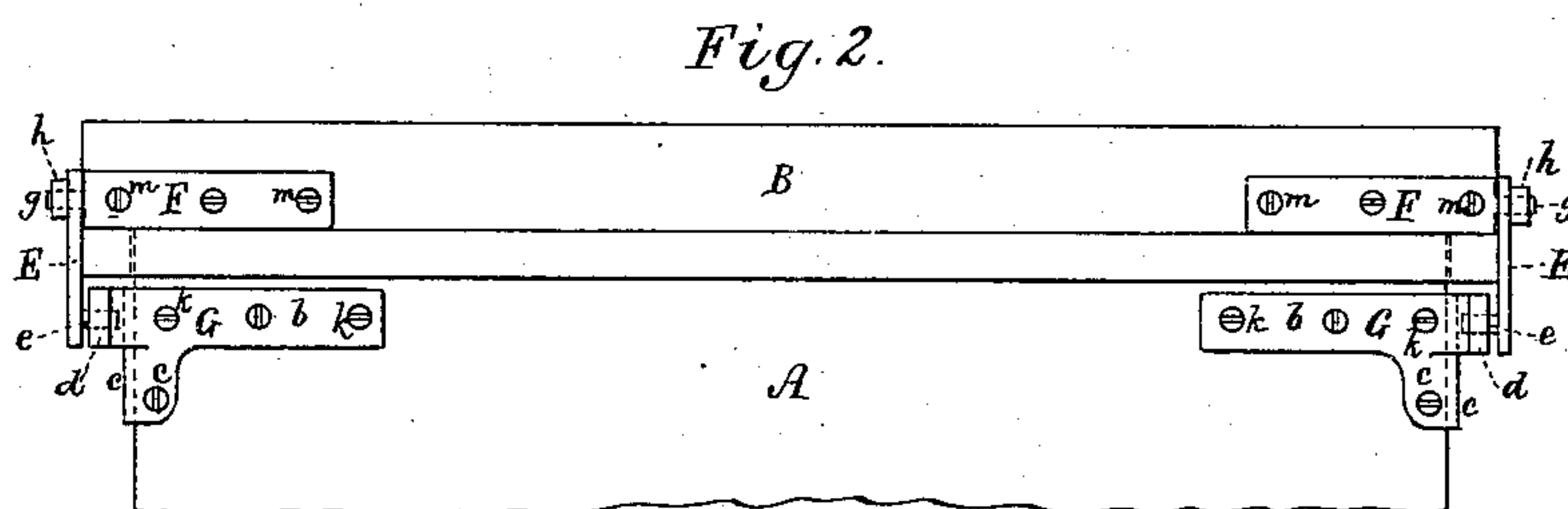
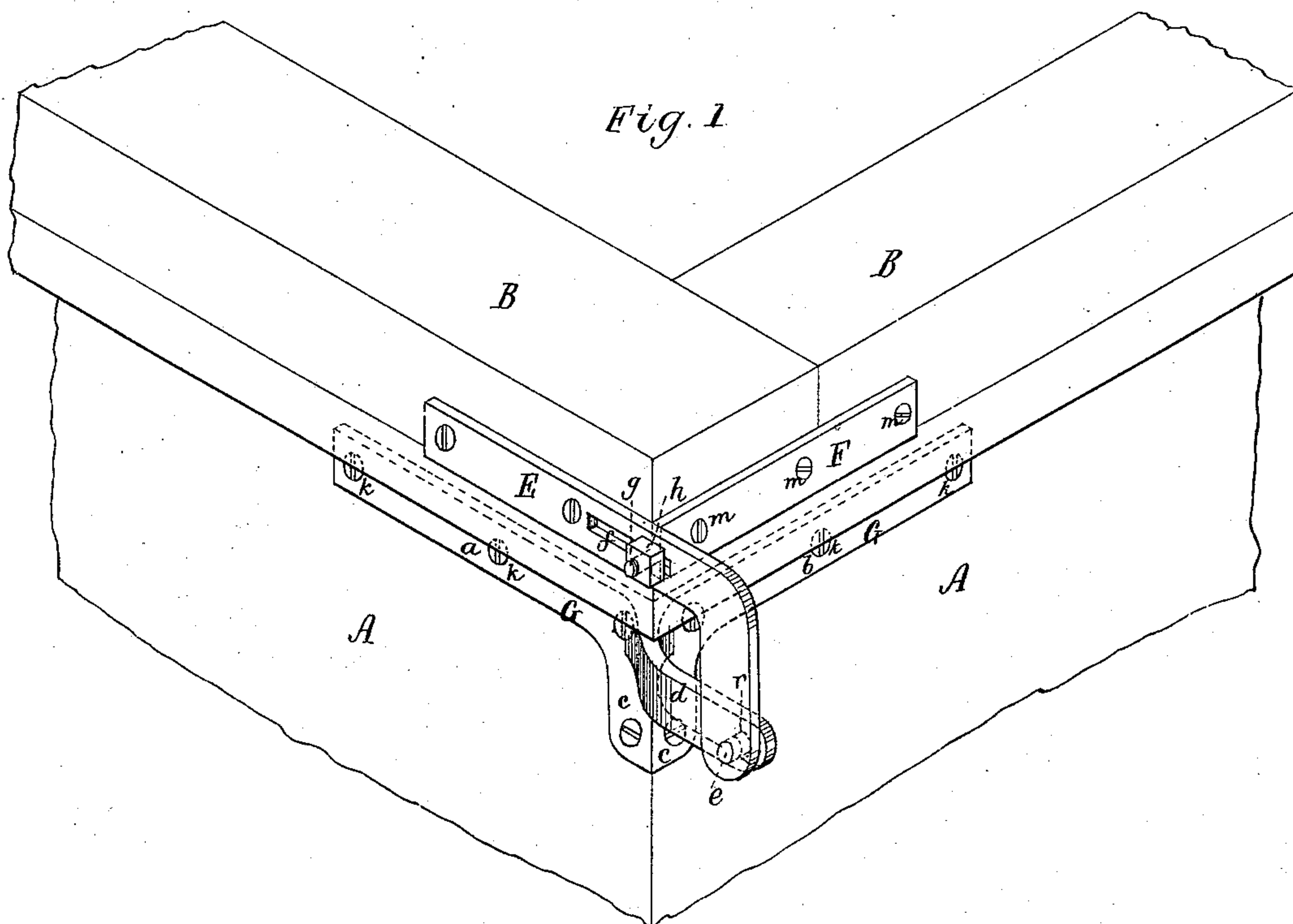
(No Model.)

P. J. CURLEY.

HINGE FOR SCUTTLES, SKYLIGHTS, &c.

No. 324,368.

Patented Aug. 18, 1885.



Witnesses
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UNITED STATES PATENT OFFICE.

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HINGE FOR SCUTTLES, SKYLIGHTS, &c.

SPECIFICATION forming part of Letters Patent No. 324,368, dated August 18, 1885.

Application filed June 15, 1885. (No model.)

To all whom it may concern:

Be it known that I, PATRICK JOHN CURLEY, of Boston, in the county of Suffolk, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Hinges for Scuttles, Skylights, &c.; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is an isometrical perspective view of one of my improved hinges as applied to a scuttle cover and frame. Fig. 2 is a rear elevation, and Fig. 3 a longitudinal section, of the scuttle cover and frame as hinged together, the said Figs. 2 and 3 being on a smaller scale than Fig. 1.

The nature of my invention is defined in the claims hereinafter presented.

In such drawings, A denotes the scuttle-frame, and B the cover thereof, the first being a rectangular or square frame of wood, and the cover being recessed so as when closed to not only extend across the entire frame A, but downward a short distance upon each of its outer sides.

At two of its opposite corners the cover is hinged to the frame by improved clamping-hinges, each of which is in three separate parts or sections, E, F, and G. The lower section, G, has two leaves, *a* and *b*, arranged at a right angle to each other, each leaf having at the junction of the two a flat projection, *c*, extended downward from it, the two projections being at a right angle to and connected to each other. Furthermore, the section G is provided with a pivotal ear, *d*, which extends from it in range or thereabout with the leaf *a* and beyond the leaf *b*, and is perforated with a round hole, *r*, to receive a pivot or journal, *e*, extending through it from the section E, which is formed as shown, and has within a slot, *f*, to receive a screw, *g*, projecting from one end of the section F, such screw, after going through the slot and somewhat beyond it, having a nut, *h*, screwed firmly upon it, so as to connect together the two sections F and E.

In constructing scuttles the projection of the cover beyond and below the top of the frame to which it is hinged may be greater in one

scuttle than in another. It is therefore desirable to have a clamping-hinge of a construction that will admit of its sections or the leaves being adjusted to any such scuttle, such being the purpose of my improved clamping-hinge, which, after fixation of the section G to the frame by headed screws *k* going through it and screwed into the frame, is to have the section E suitably fastened to the cover, the journal *e* of such section E being introduced into the hole *r* of the ear *d*, such journal of necessity having on it one or more washers arranged between the sections E and the ear *d*, and being to prevent the cover from moving laterally, so as to improperly close upon the frame while being turned down thereupon.

Having thus fixed the section E to the cover and the section G to the frame of the scuttle, the section F is next to be placed flatwise against the rear edge of the cover, and the screw of such section F is to be inserted in the slot of the section E. Next the nut is to be screwed upon the screw, and the section F is to be fastened to the cover by headed screws *m* going through the said section and into the cover.

Instead of having the section F provided with a screw and nut, it may project through the slot of the section E and be upset and have a head to extend laterally beyond the slot, such being to hold the two sections together and admit of the section F being moved up to and flatwise against the rear edge of the cover.

Were the section or leaf F immovably fastened to the pivotal section E, the hinge would be adaptable to covers that project the same distance rearward from their scuttle-frames; but by having the leaf F adjustable, as represented, relatively to the leaf E and connected therewith the hinge can generally be adapted to a smaller cover and frame, however the cover may project beyond the frame rearwardly thereof. So, when the cover is so made as to cause a space to exist between the pivoted portions of the sections E and G, such space may be filled by one or more washers placed on the part of the journal that may extend between such pivoted parts.

The hinge as constructed also answers to

clamp together the next adjacent bars of the cover, and also those of the scuttle-frame upon which the cover rests when closed.

I claim—

5 1. The scuttle-hinge, substantially as described, composed of the section G, provided with the pivotal perforated ear, the section E, having the journal to enter such ears, and the
10 section F, arranged at a right angle to the section E, and connected thereto so as to be adjustable lengthwise thereof, all being essentially as set forth.

2. The section G, provided with the two

leaves arranged at a right angle to each other and having at their junction a pivotal ear and 15 downward extensions, as set forth, in combination with the section E, provided with the pivot to enter the ear, and with the section F, arranged at a right angle to the section E and connected thereto so as to be adjustable length- 20 wise thereof, all being substantially as set forth.

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