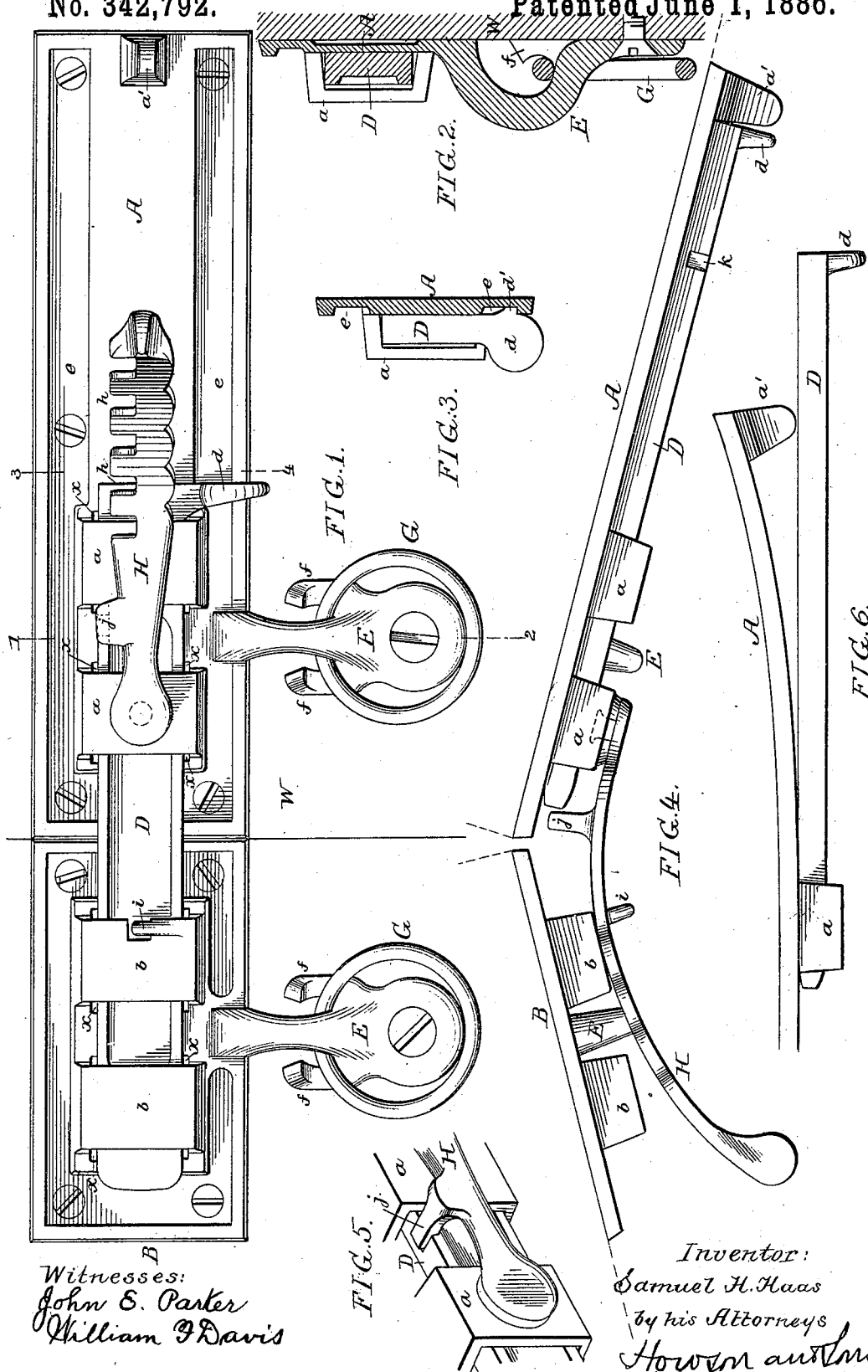


(No Model.)

S. H. HAAS.  
SHUTTER FASTENER.

No. 342,792.

Patented June 1, 1886.



# UNITED STATES PATENT OFFICE.

SAMUEL H. HAAS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO NORCOM L. SEGUIN, OF SAME PLACE.

## SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 342,792, dated June 1, 1886.

Application filed September 9, 1885. Serial No. 176,537. (No model.)

*To all whom it may concern.*

Be it known that I, SAMUEL H. HAAS, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain  
5 Improvements in Shutter-Fasteners, of which the following is a specification.

My invention relates to improvements in shutter-fastenings; and the main object of my invention is to construct a device that will  
10 combine the bolt, bower, and ring-loops all in one article, and in which the bolt will be locked when projected, as fully described hereinafter.

In the accompanying drawings, Figure 1 is a face view of my improved bolt; Fig. 2, a section on the line 1 2, Fig. 1; Fig. 3, a section on the line 3 4, Fig. 1; Fig. 4, a plan view showing the two sockets at an angle in respect to each other and with the shutter-bower in position; Fig. 5, a detached perspective view of a part of the fastening, and  
20 Fig. 6 a plan view showing how the bolt is inserted in its socket.

A B are the two plates, one secured to each shutter, and having sockets or keepers *a* and  
25 *b* for the reception and guidance of the sliding bolt D. These plates A B, with their keepers, are cast of malleable iron, and have openings *x* in the rear of the keepers, so that the castings can be easily drawn from the sand, all cores being dispensed with and the manufacture of the keeper-plates thus materially cheapened and simplified.

The bolt D is prevented from being pulled out by the usual stop, *a'*, cast on the plate.  
35 The plate A, being made of malleable iron, can, however, be bent as shown in Fig. 6, in order that the bolt D may be inserted into the keepers *a a*. Then after the end of the bolt has passed the stop *a'* the plate A may be caused  
40 to assume its normal flat or straight form.

The plate A has a groove, *e*, (shown in Figs. 1 and 3,) in which is guided a projection, *d'*, in the back of the downwardly-projecting lug *d* of the bolt. This prevents the usual loose  
45 movement of the bolt in the keepers and causes the bolt to move in a straight line, and, consequently, easy to operate.

Projecting downwardly from each plate A B is a loop, E, for the reception of the ring G, and it is provided with guard-fingers *f f*, to prevent said ring from rubbing against the

shutter or door W. Pivoted to one of the plates, and preferably to one of the keepers *a*, is a shutter-bower, H, Figs. 1 and 4, which is curved, as shown, and is provided with a series of notches, *h*, adapted to fit over a stud, *i*, on one of the keepers, *b*. Thus the shutters can be bowed to a greater or less extent, as required.

Projecting from the bower H is a lug, *j*, adapted to rest on the upper edge of the bolt D when the latter is thrown back, as shown in Fig. 2; but if the shutters are closed and the bolt projected the lug *j* will drop into a notch, *k*, in the bolt D, thus locking the bolt and preventing it from being forced back without first raising the bower H. The latter thus acts as a locking-latch for the bolt.

I claim as my invention—

1. The combination of the sliding bolt and keeper-plates with the notched segmental bower pivoted to one of said plates and adapted to engage with a stud on the other plate, substantially as described.

2. A keeper-plate for a shutter-fastener, having a loop, E, for the reception of a loose ring, G, substantially as set forth.

3. A keeper-plate for a shutter-fastener, having a loop, E, for the reception of a ring, and having guard-fingers *f*, as set forth.

4. A keeper-plate having keepers *a* and a stop, *a'*, cast integral with the plate, of malleable cast-iron, whereby the keeper-plate can be bent for the insertion of the bolt, substantially as specified.

5. The combination of the bolt having a projection, *d'*, with a keeper-plate having a groove, *e*, for the reception and guidance of said lug, substantially as specified.

6. The combination of the keeper-plate B, having a stud, *i*, with the sliding bolt having a notch, *k*, and the keeper-plate A, having a pivoted bower provided with a lug adapted to said notch in the bolt, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL H. HAAS.

Witnesses:

WILLIAM F. DAVIS,  
HARRY SMITH.