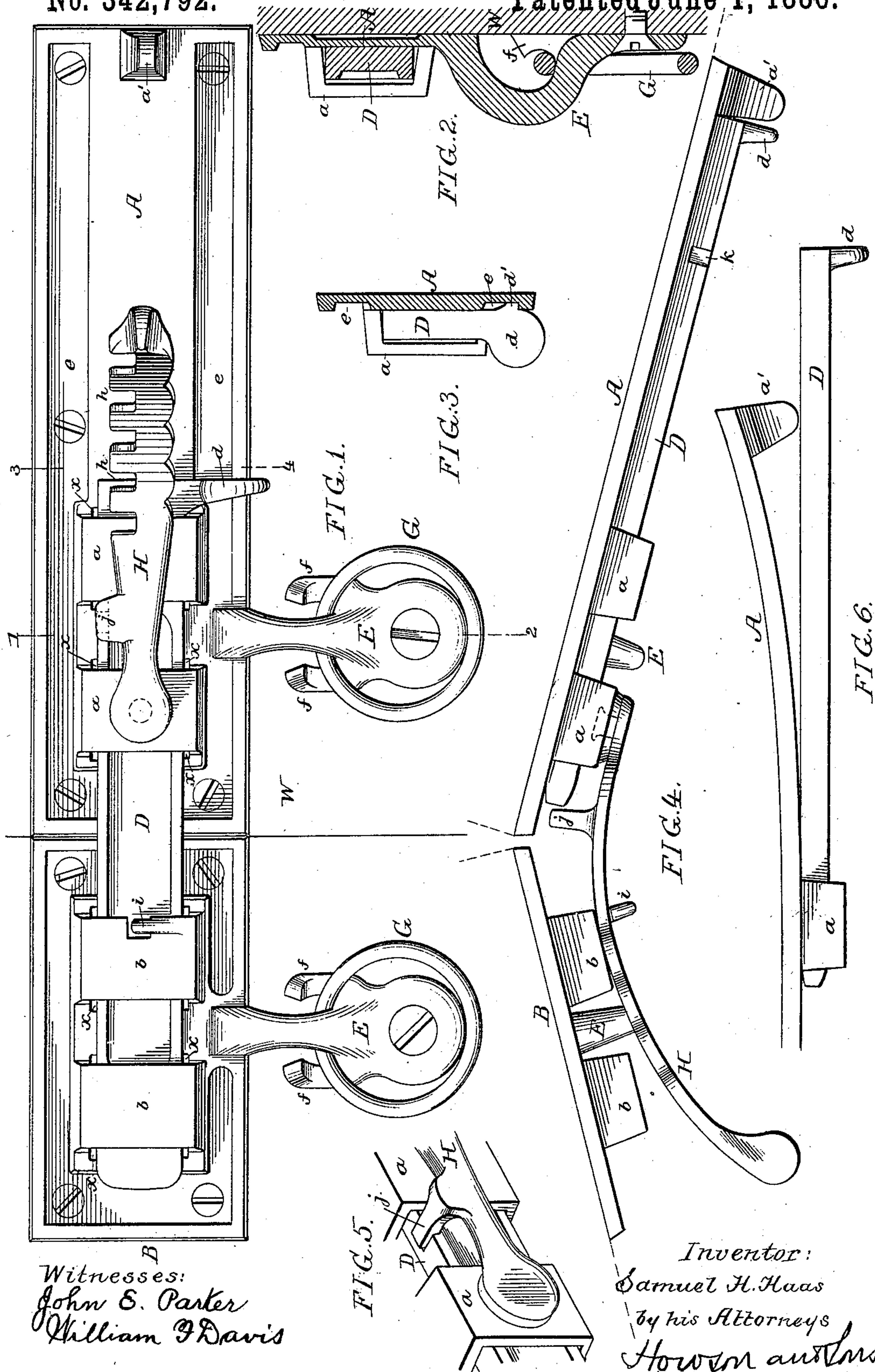


(No Model.)

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. 176,557. (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-Fastenings, 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
15 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 per-
20 spective view of a part of the fastening, and 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
30 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
45 *d* of the bolt. This prevents the usual loose 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,
50 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
55 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*,
60 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
65 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
70 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, hav-
75 ing a loop, E, for the reception of a loose ring, G, substantially as set forth.

3. A keeper-plate for a shutter-fastener, hav-
80 ing 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, substan-
85 tially 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,
90 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
95 to this specification in the presence of two subscribing witnesses.

SAMUEL H. HAAS.

Witnesses:

WILLIAM F. DAVIS,
HARRY SMITH.