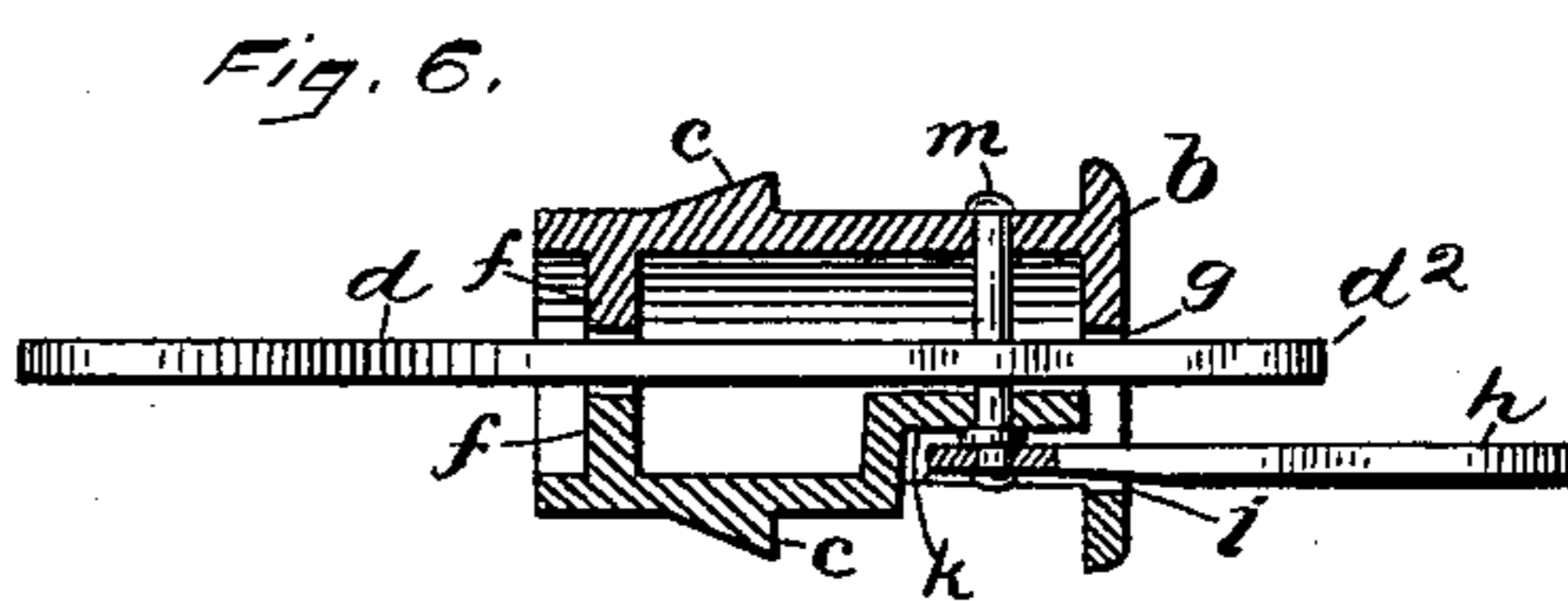
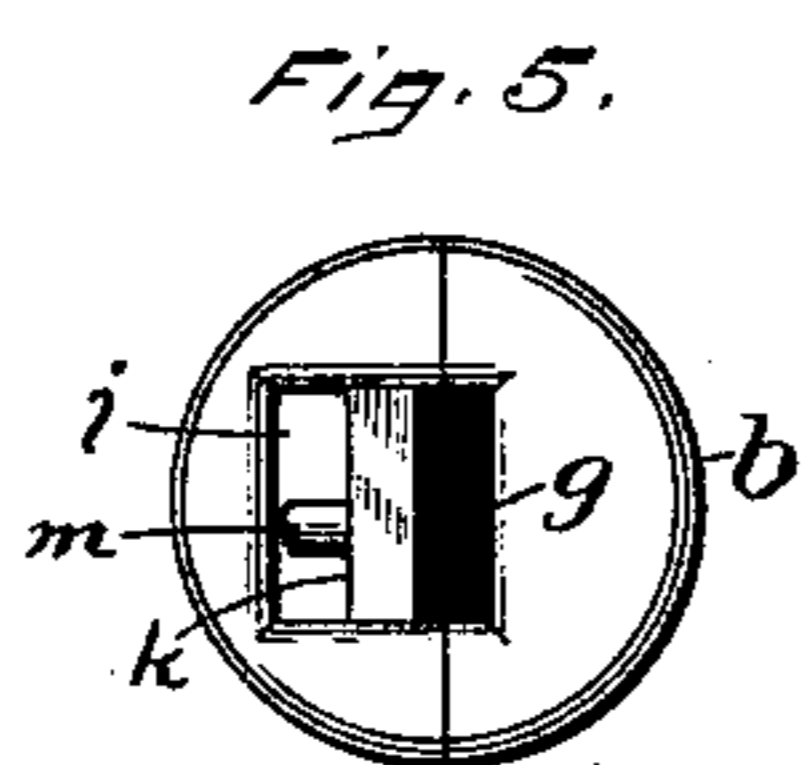
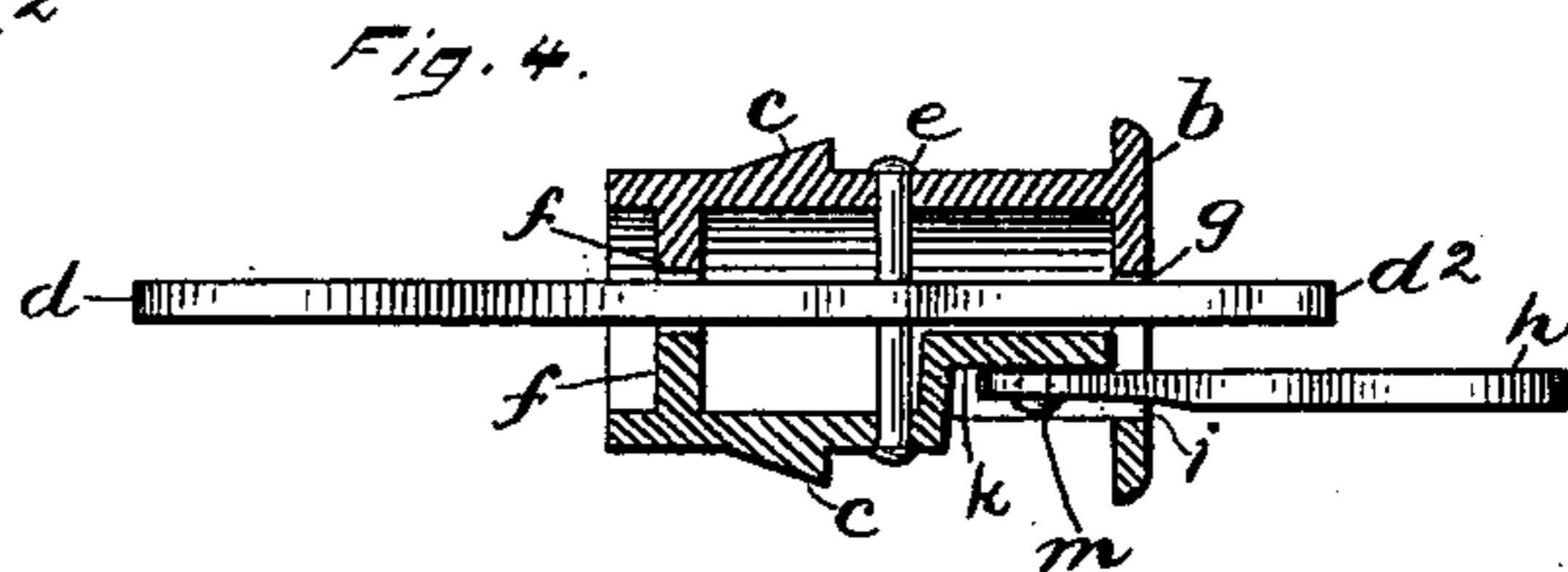
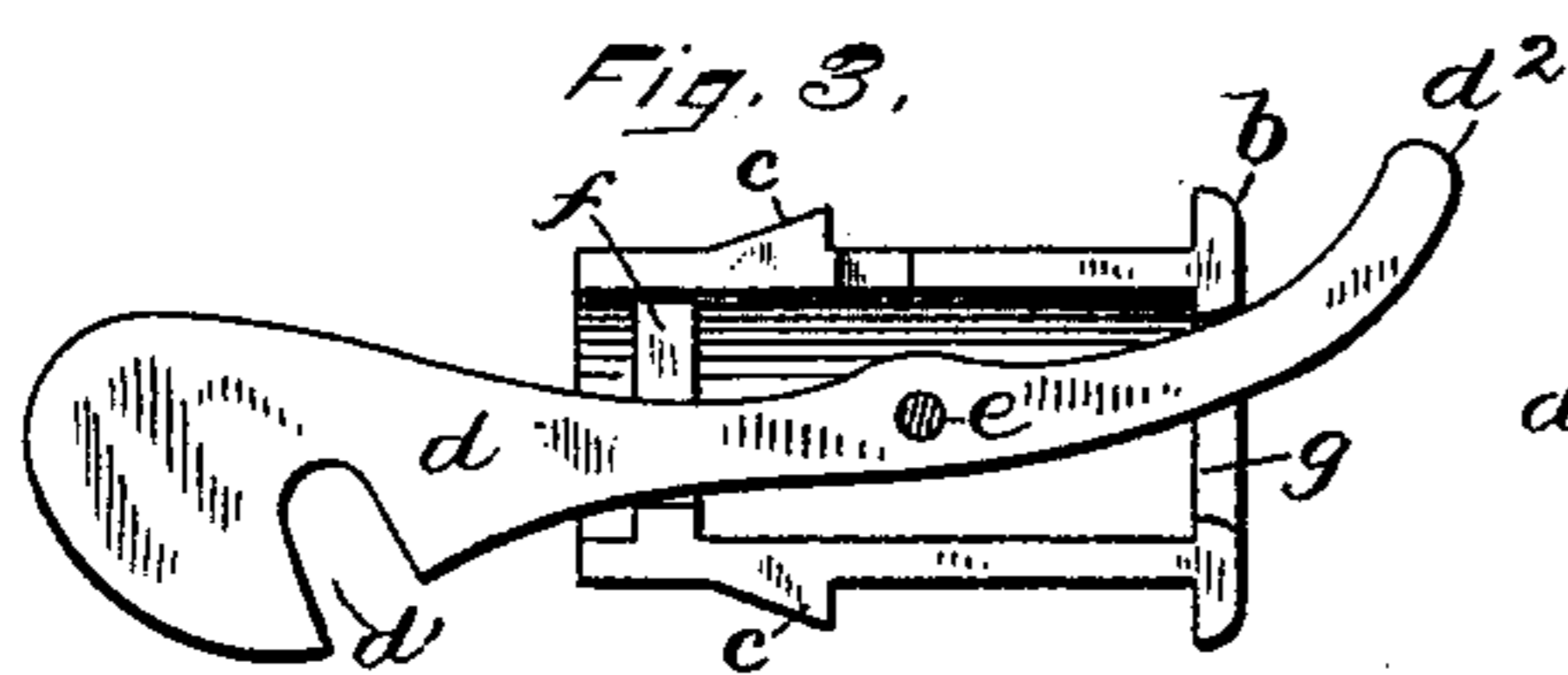
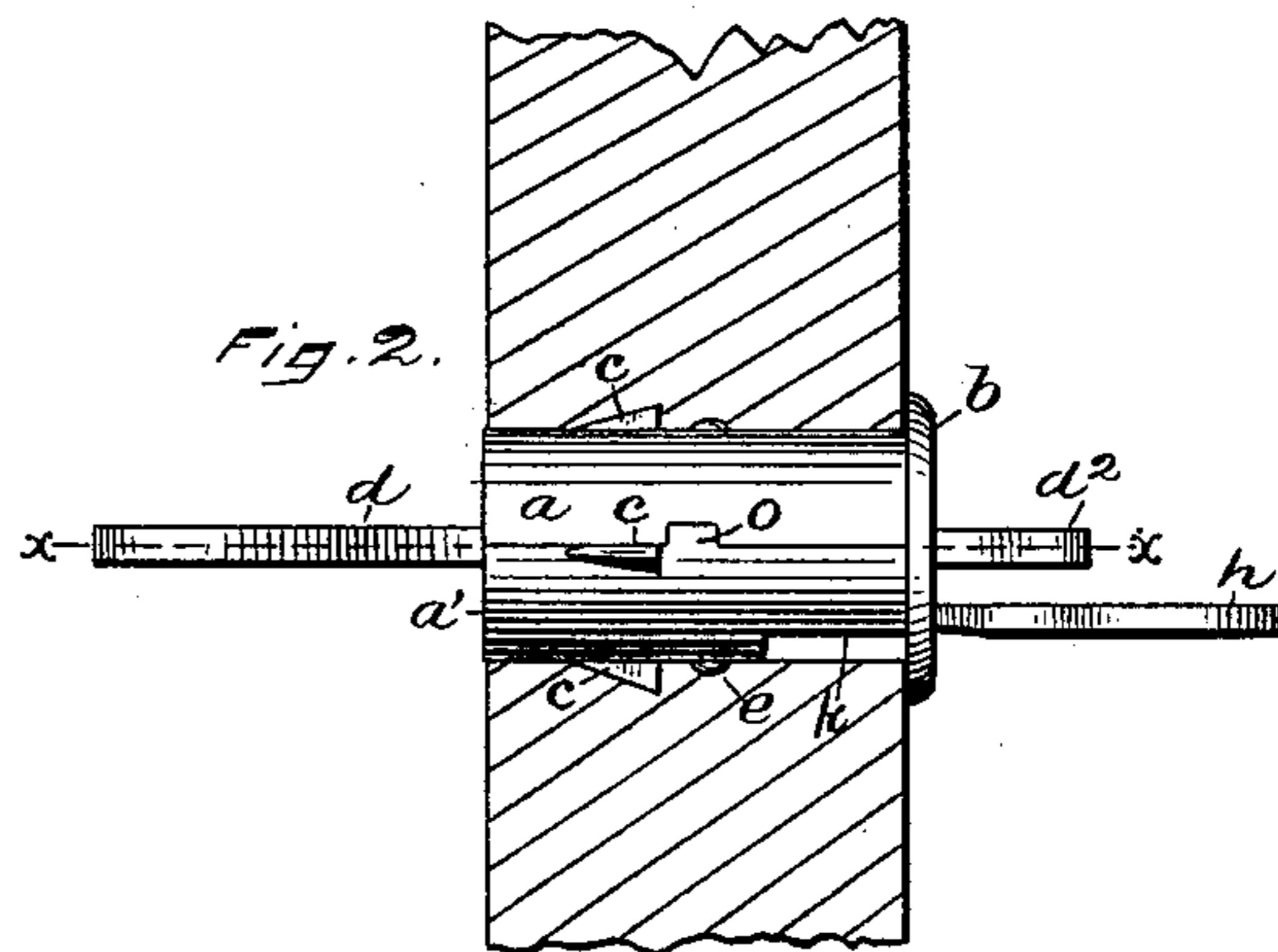
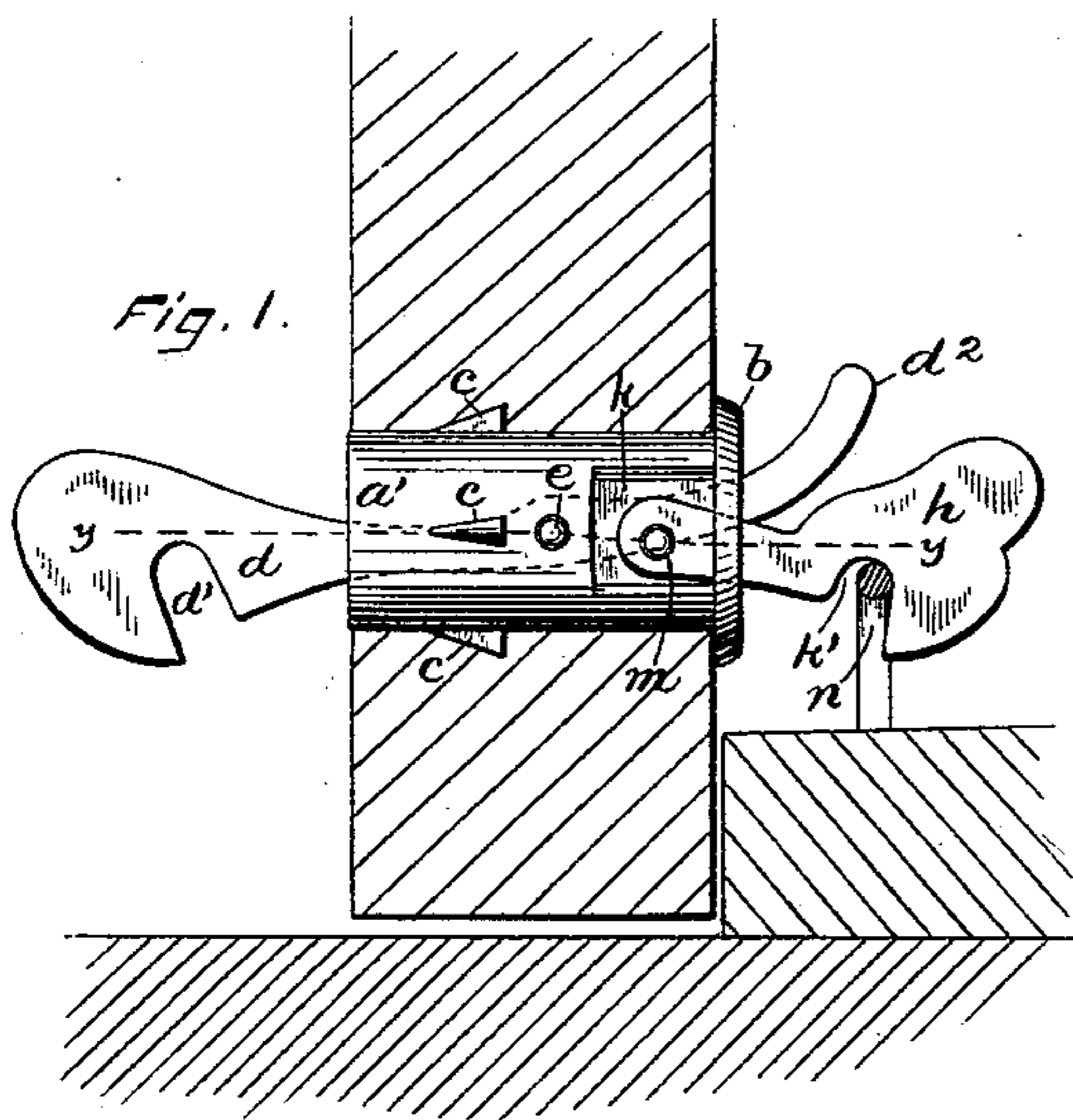


(No Model.)

R. STEELE.
SHUTTER FASTENER.

No. 391,207.

Patented Oct. 16, 1888.



WITNESSES,
John Edwards Jr.
Theodore Brulley.

INVENTOR,
Ransom Steele.
By James Shepard.
Att'y.

UNITED STATES PATENT OFFICE.

RANSOM STEELE, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR OF ONE-HALF
TO A. M. HYDE, OF SAME PLACE.

SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 391,207, dated October 16, 1888.

Application filed April 6, 1888. Serial No. 269,807. (No model.)

To all whom it may concern:

Be it known that I, RANSOM STEELE, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Shutter-Fasteners, which improvements are fully set forth and described in the following specification, reference being had to the accompanying drawings.

The particular class to which this invention belongs is that which includes shutter-fasteners having two independent latches or levers, both of which extend to the inside of the blind—one to retain the shutter or blind in an open position, the other to lock it when closed.

My purpose is to improve the shell or supporting-case of such fasteners; also to improve certain details of construction hereinafter described in detail.

In the sheet of drawings hereto annexed my said invention is clearly illustrated, Figure 1 being a side view of my complete device, showing in vertical section portions of a shutter and of a window-stool. Fig. 2 is a top view of said fastener, and shows also, in horizontal section, a portion of a shutter. Fig. 3 is a view of one section, *a*, of the case, with the latch-lever *d* hung therein, said case being separable on the line *x x* of Fig. 2. Fig. 4 shows a horizontal section of the case on line *y y* of Fig. 1, and Fig. 5 is a view of the end of my device as seen from the inner side of the shutter. In Fig. 6 I have shown, in horizontal section, a case in which both the latches are hung on a single rivet, instead of requiring two rivets, as in Fig. 4.

The letters *a a'* in these several explanatory figures indicate the companion sections of the case which incloses, supports, and protects the operative parts of my fastener. These sections *a a'* are ordinarily of cast metal, each semi-cylindrical and provided with a flange, *b*, to limit the entrance of said case into the shutter and form a finish on its inner end. The perimeter of the assembled case-sections is intended to correspond with some regular size of bit or auger, so that a hole may be bored and the case driven therein; and in order to securely hold said case in the seat so provided I form it with integral lugs *c*, shaped as spurs or barbs, that allow the case to be driven home

in the shutter, but effectually resist its withdrawal, as will be readily understood by referring to the drawings.

Within and between the case-sections *a a'* is located a lever, *d*, whose fulcrum is a rivet, *e*, passing through the case-sections. The outer end of lever *d* is notched, as at *d'*, to interlock with any suitable fastening on the outside of the house, and is of a weight sufficient to over-balance the inner end of said lever. Said inner end, *d''*, projects through the flanged head *b* of the case a distance sufficient to enable the operator to grasp it readily. The lever thus described is provided to hold the shutter in an opened position.

To hold the lever *d* central in the case, confronting flanges or lugs *f f* are provided near the outer end of said case, and the inner end, *b*, is formed with a coincident slot, *g*, through which said lever extends. In order to prevent the lever *d* from becoming clogged with paint when the blinds are painted, or with sleet, snow, or ice, I place the holding-flanges *f f* a little in from the outer end, so that the outer end of the case forms a protecting annular flange, as shown in Figs. 3, 4, and 6.

h indicates the gravity-latch provided to lock the shutter in its closed position. The manner of pivoting this latch and the construction of the case-section *a'* to receive said latch form features of my invention which I will proceed to explain. A slot, *i*, is provided in the flanged head *b*, adjacent to the slot *g*, first above described, and the perimeter of case *a'*, immediately in the rear of said slot, is flattened, as at *k*, instead of forming a perfect annulus, as at the other portions of the case. The latch *h* extends through slot *i* and is attached to the flattened portion *k* of the case by a rivet, *m*. This construction, in point of fact, pivots the latch *h* on the outside of the case, although it appears from the inner end as if located within said case. One advantage of so forming the case and so locating latch *h* is that the wall of the flattened portion *k* provides a convenient means to separate the two latches and keep them at all times in their proper positions relative to each other. Said construction is also a convenient and practicable one to produce by common methods of molding and casting.

Latch *h* is weighted at its free end and formed with a slot or hook, *k'*, to engage a staple, *n*, or similar fixture, in the window-stool.

5 Both of the described latches may be operated from the inner side of the shutter—that is to say, the inner side when closed—but the latch-lever *d* only can be reached from the outside.

10 In Fig. 6 the general construction of my device is as above described; but I have located the rivet *e* at the same point where latch *h* is pivoted, so that a single rivet passes through both latches and thus simplifies somewhat the
15 operation of assembling the several parts.

The case-sections *a a'* are kept from sliding on each other when driven into the shutter by lugs *o* on one section that fit into corresponding notches in the companion section.

20 I am aware that it is old, as shown by prior patents, to provide the cases of blind or shutter fasteners and analogous articles with holding-barbs, and also to make a cylindrical case

in two parts, and the same are hereby dis-
claimed.

I claim as my invention—

1. A shutter-fastener case consisting of two semi-cylindrical sections having a projecting flange, *b*, at its inner end and the holding-flanges *ff* at its outer end, said holding-flanges
30 being set in from the outer end of the case, as shown, whereby it forms an annular projecting flange, substantially as described, and for the purpose specified.

2. In a shutter-fastener, the combination of
35 the case having holding-flanges at each end and a flattened portion, *k*, with the lever *d* and latch *h*, both extending to the inner end of the case and pivoted to the flattened portion thereof, substantially as and for the purpose
40 specified.

RANSOM STEELE.

Witnesses:

JOHN EDWARDS, Jr.,
A. M. HYDE.