

(Model.)

F. HAAS & W. D. EVANS.
RAZOR STROP.

No. 468,407.

Patented Feb. 9, 1892.

Fig 1.

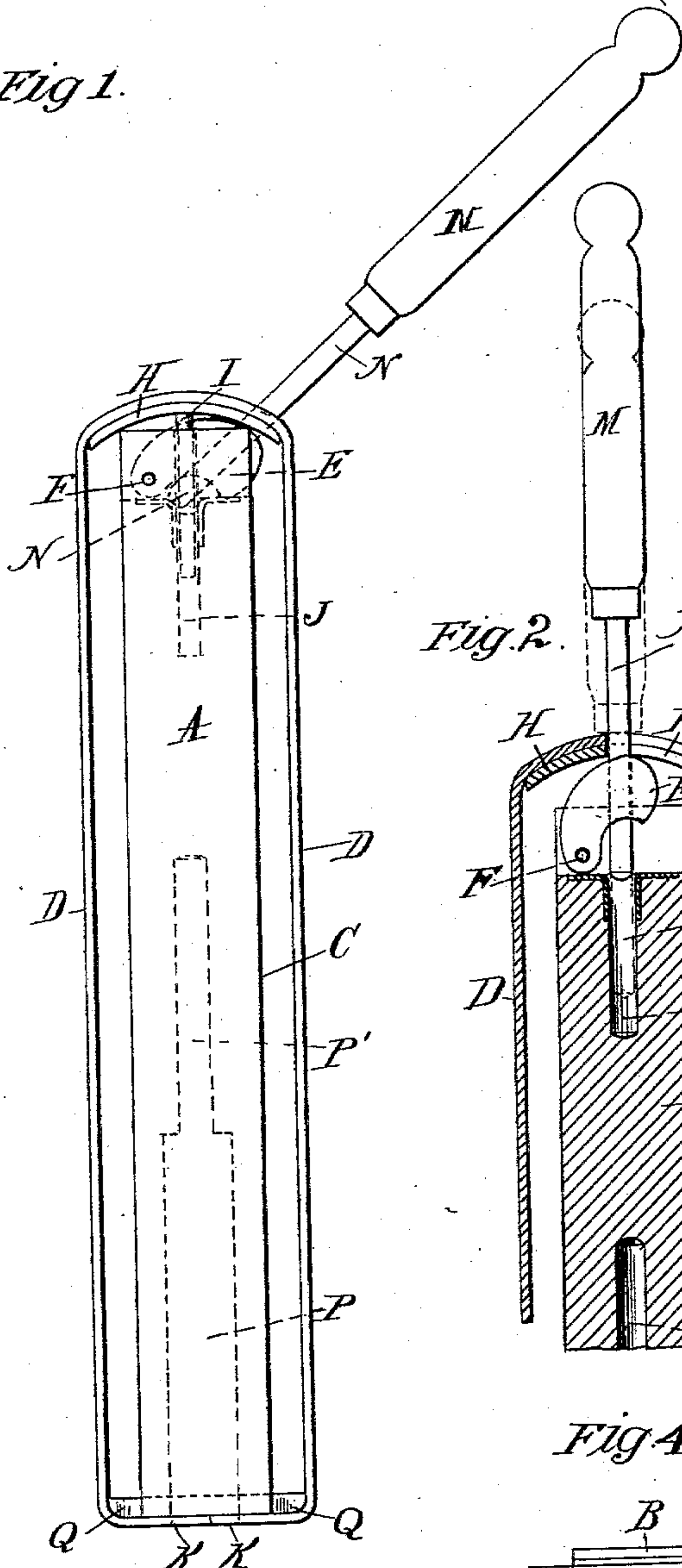


Fig 2.

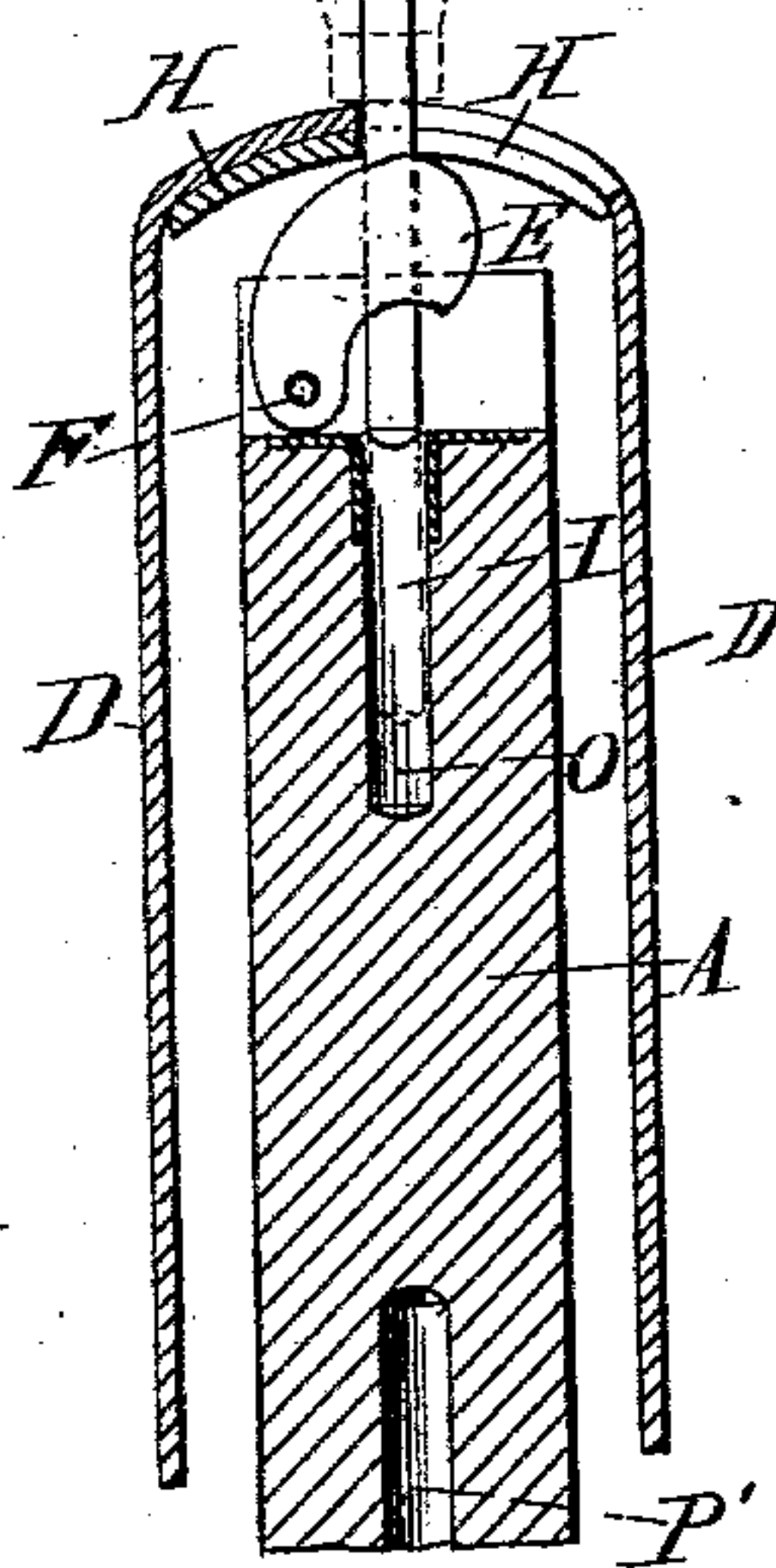


Fig 4.

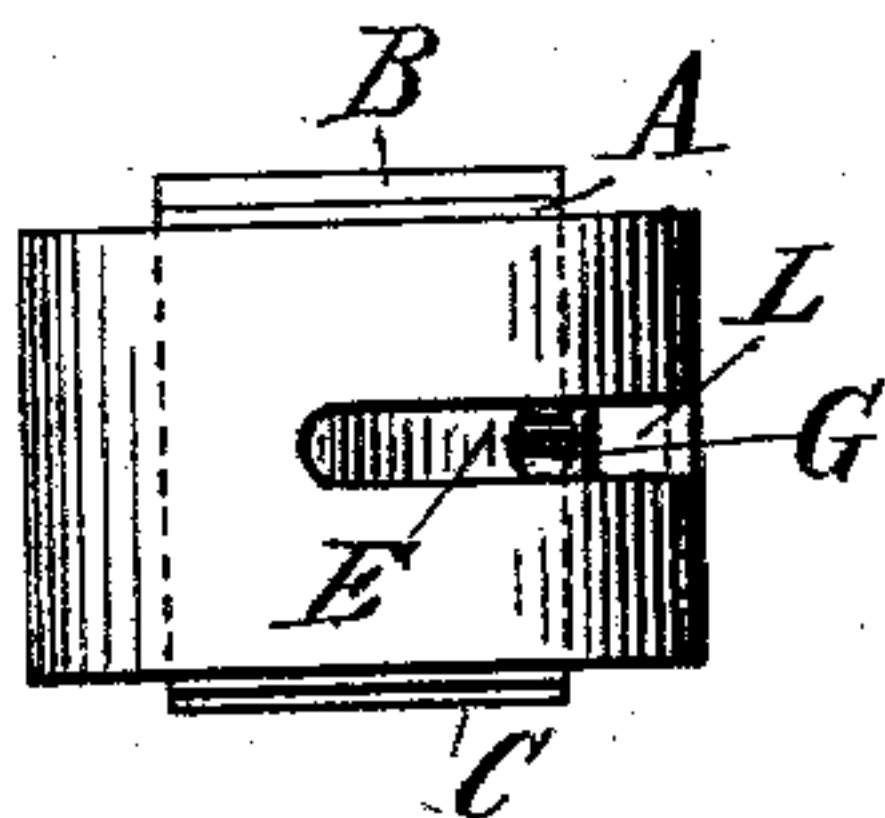
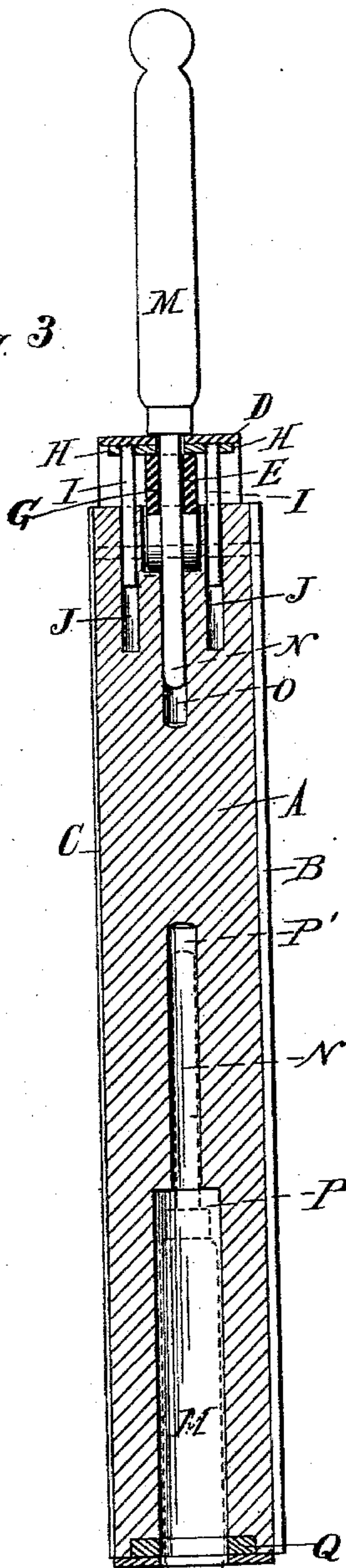


Fig 3.



WITNESSES:

Eduard C. Rowland
J. C. Hoffman

INVENTORS:

Frederic Haas and
William D. Evans
BY *Phillips Abbott*
their ATTORNEY

UNITED STATES PATENT OFFICE.

FREDERIC HAAS AND WILLIAM D. EVANS, OF NEW YORK, N. Y.; SAID EVANS
ASSIGNOR TO SAID HAAS.

RAZOR-STROP.

SPECIFICATION forming part of Letters Patent No. 468,407, dated February 9, 1892.

Application filed July 7, 1891. Serial No. 398,647. (Model.)

To all whom it may concern:

Be it known that we, FREDERIC HAAS and WILLIAM D. EVANS, citizens of the United States, and residents of New York, in the county of New York and State of New York, have jointly invented certain new and useful Improvements in Razor-Strops, of which the following is a specification.

Our invention relates to improvements in razor-strops; and it consists in the employment of novel devices whereby the strop may be put under tension and relieved therefrom, and also to a peculiar construction and arrangement of the block forming the body or base of the strop, so that the handle may be placed within it and thus the length of the device reduced.

In the drawings, Figure 1 illustrates an elevation of the strop, the handle being in position to put it under tension. Fig. 2 illustrates a sectional view taken through the two side straps, showing the position of the parts when the handle or lever has put the straps under tension, but prior to locking the cam. Fig. 3 is a section at right angles to the section shown in Fig. 2, showing the cam locked in position by the handle and also showing in dotted lines the position of the handle when placed within the block. Fig. 4 illustrates an end view of the strop, showing the slot in the strap through which the lever or spindle of the handle works.

A is the block forming the base for the strop. Upon two of its sides are the ordinary leather facings B and C. They are cemented or in some suitable way fastened to the block, and are ordinarily constructed to take the place more or less of a hone.

D is a continuous leather strip or band. On one side of the strop it is ordinarily, although not necessarily, treated differently than upon the other side, so that different effects may be produced upon the razor when passed or rubbed over the different sides.

E is a cam-shaped piece of metal, which is pivoted at F to the block.

G is a hole made in the face of the cam near the point of its greatest eccentricity.

H is a piece of metal, preferably concavo-convex in shape, having two spindles I I attached to it. These spindles enter and easily

slide through two holes J J made in the block, and they serve to guide the plate H. It will be noticed that the continuous strap D, the ends of which are cemented at K K to the block, passes over and around this concavo-convex metal plate H, and there is a slot L cut in the strip of leather and also in the plate H. (See Fig. 4.)

M is a device which acts as a handle for the strop when in use, and also as a lever to put the straps D D under tension. It is provided with a metallic spindle N, which is adapted to pass through the slot L and enter the hole G made in the cam and also to enter the hole O made in the block. (See Figs. 2 and 3.)

P P' is a hole having two dimensions made in the block at the opposite end to that upon which the cam is placed. The two dimensions are such as will properly accommodate the handle M and its spindle N.

Q is a piece of wood, although metal may be used, placed transversely across the end of the block A to give the necessary lateral projection to the side straps D D.

The operation of the device is as follows: To put the side straps D D under tension, the handle M is taken in the hand, the end of the spindle N is introduced through the slot L into the hole G in the cam, as shown in Fig. 1. The handle is then pressed over in the direction of the arrow, the strop being meantime held by the other hand. When the spindle N has reached the end of the slot L, or nearly to that point, the spindle N will be in line with the hole O and the cam will have been rocked upon its pivot F, so as to put the side straps D D under the desired tension, but the cam will not have reached the dead-point or "dead-center," as frequently called. The handle is now pushed inwardly, as shown in dotted lines in Fig. 2, which causes the spindle N to pass through the hole in the cam and to enter the hole O in the block, the parts assuming the position shown in Fig. 3. It will be perceived that the cam is now locked and that the straps are under tension suitable for use, and that the handle M serves as a convenient handle for the strop. After use the handle may be pulled straight out, entirely separating it from the other parts, whereupon the cam, not being at the dead-

point, will be immediately rotated or collapsed by the tension of the straps and they will be released from tension, thus preventing undue stretching, and the handle is then
5 taken and inserted into the hole P P' at the other end of the block, leaving only a small portion of it projecting, whereby it may be withdrawn again for further use.

It will be obvious to those who are familiar
10 with this art that various modifications may be made in the details of construction of our apparatus and yet the essentials thereof be employed. We therefore do not limit ourselves to the details of construction.

15 We claim—

1. The combination, in a razor-strop, of a block, straps attached to the block at or near one end and extending over a movable support at the other end of the block, a cam
20 under said support, and a spindle or handle, substantially as set forth.

2. The combination, in a razor-strop, of a block having a hole at one end, a cam pivoted to the block near the said hole and having a
25 hole in it, a spindle or handle adapted to

enter the holes in the block and in the cam, a strap-supporting plate resting upon the cam, side straps adapted to be put under tension by the cam, and a slot in the straps and in said plate, substantially as set forth. 30

3. The combination, in a razor-strop, of a block having a hole at one end, a cam pivoted to the block near the said hole and having a hole in it, a spindle or handle adapted to enter the holes in the block and in the cam, 35 a strap-supporting plate resting upon the cam, side straps adapted to be put under tension by the cam, a slot in the straps and in the said plate, and a guiding-spindle for the plate, adapted to enter holes in the block, substantially as set forth. 40

Signed at New York, in the county of New York, and State of New York, this 3d day of July, A. D. 1891.

FREDERIC HAAS.
W. D. EVANS.

Witnesses:

PHILLIPS ABBOTT,
CHARLES A. LIEB.