

No. 667,905.

Patented Feb. 12, 1901.

H. B. EMERSON.

RAZOR STROP.

(Application filed June 23, 1900.)

(No Model.)

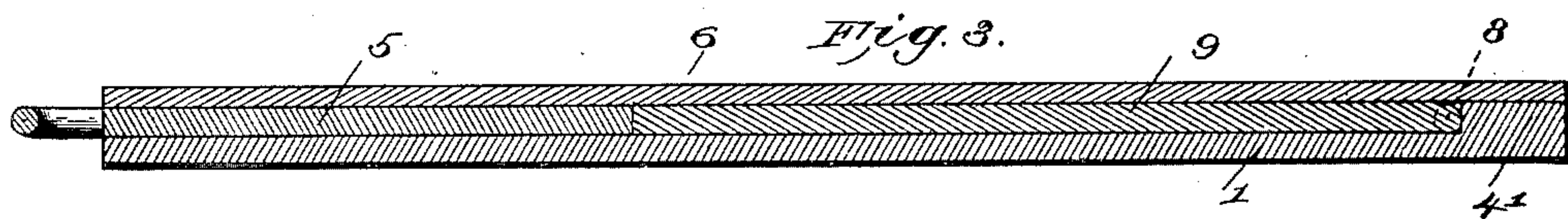
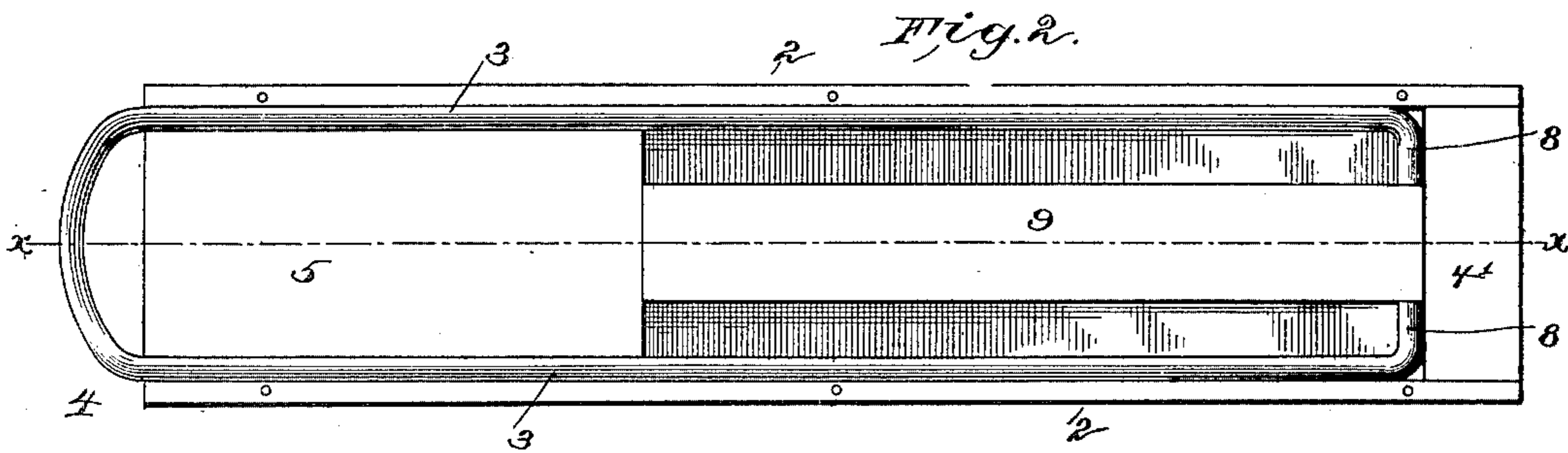
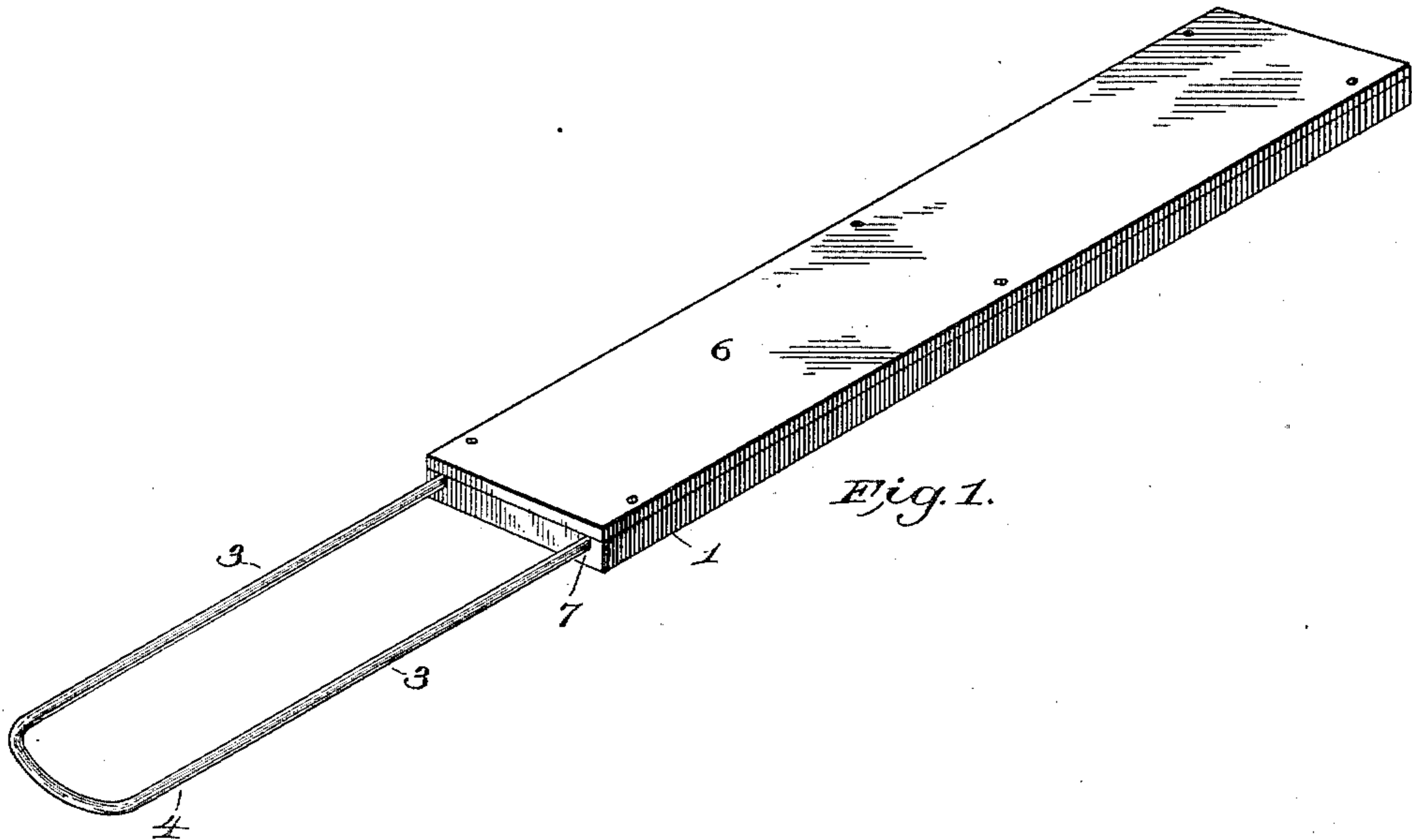
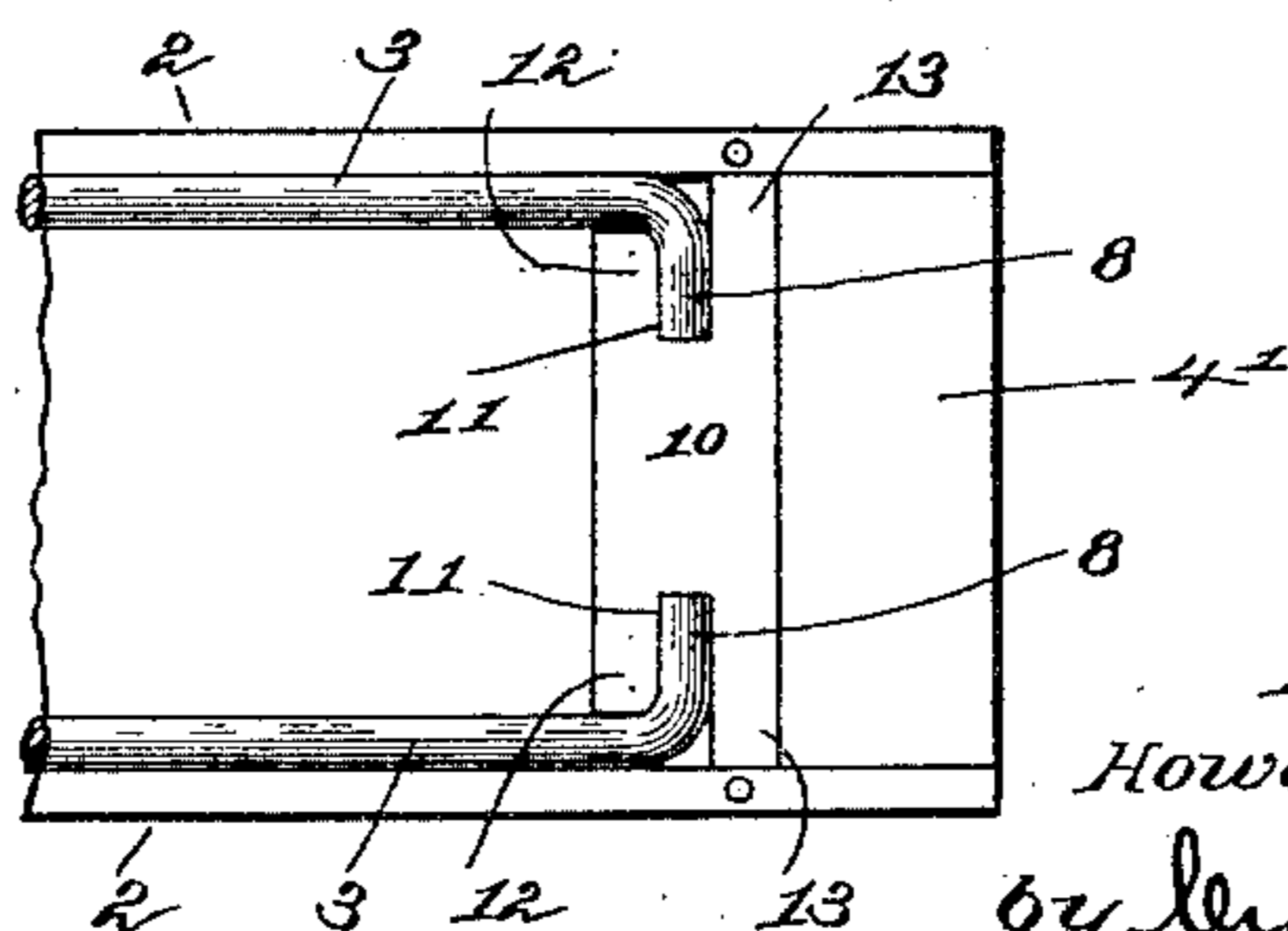


Fig. 4.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

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## RAZOR-STROP.

SPECIFICATION forming part of Letters Patent No. 667,905, dated February 12, 1901.

Application filed June 23, 1900. Serial No. 21,256. (No model.)

*To all whom it may concern:*

Be it known that I, HOWARD B. EMERSON, a citizen of the United States, and a resident of Everett, county of Middlesex, and State of Massachusetts, have invented an Improvement in Razor-Strops, of which the following description, in connection with the accompanying drawings, is a specification, like numerals on the drawings representing like parts.

This invention relates to razor-strops; and its object is to provide a strop which can be made to occupy but a small space, thus making an article suitable for traveling purposes; and to this end I have provided my strop-body with a telescoping handle, so that when not in use the handle can be pushed into the body, thus reducing the size of the article to practically the size of the strop-body.

In the drawings, Figure 1 is a perspective of the strop with the handle extended. Fig. 2 is a plan view of the device with the top face removed, showing the means for spacing the ends of the handle-wires. Fig. 3 is a longitudinal vertical section on the line *xx*, Fig. 2; and Fig. 4 shows a slightly-different form of spacing means for the handle-wires.

The body of the strop comprises generally the base-piece 1 and the top piece 6, between which the handle 4 is guided and telescopes. The base-piece 1 has extending longitudinally along the sides thereof the upturned flanges 2, which form a guide for the side pieces 3 of the handle 4 and a support for the top piece 6. The handle 4 is U-shaped and is preferably made of wire, though any other suitable material may be used. The sides 3 of the handle bear against the side flanges 2 as it is extended or collapsed, and the inner ends of the side pieces are bent inwardly, as at 8, in order to cooperate with the filling-pieces or stops 4' and 5, situated between the flanges 2 at either end of the base-piece, to limit the movement of the handle in either direction, as will be presently described. The filling-piece 5 serves also as a guide to hold the handle in proper alinement and is of such a width that as the sides 3 of the handle play between the said filling-piece and the side flanges 2 they are snugly held in position, the said filling-piece being of such a length as to keep the handle true, and thus prevent any binding, which would result if the handle were

not at all times maintained in perfect alinement.

In order to further aid in keeping the handle in perfect alinement, I provide a suitable spacing-block between the inturned ends 8 of the side pieces 3, which has the function of positively maintaining the outer ends of the side pieces 3 constantly against the side flanges 2, regardless of whether the handle is extended or collapsed. In Figs. 2 and 3 this spacing-block is represented as a strip 9, which is suitably fastened to the base-piece 1 and which is of the proper width to bear against the inturned ends 8 and hold them against the side flanges.

From the above description it will be seen that the sides 3 of the handle 4 are constantly held throughout their length against the side flanges 2, which results in holding the handle rigid and in perfect alinement with the guiding-grooves 7, but at the same time allows it to have a free and easy sliding movement.

In Fig. 4 I have illustrated a slightly-different form of spacing-block, which consists of a movable piece 10, connected with the side pieces 3 of the handle. This spacing-block 10 has a general H shape, the recesses 11 being made to fit the inturned ends 8 of the side pieces 3, as shown in Fig. 4, thus holding the sides of the handle against the side flanges 2 and serving to maintain the handle in perfect alinement.

In devices of this character, wherein the handle is made to telescope, some means are necessary to keep the handle true, and by providing a strop with a wire handle of the shape shown and using a suitable form of spacing-block for maintaining the parallelism of the sides of the handle I am able to produce an article of extreme lightness, which can be made to occupy a minimum amount of space and, what is still more important, one in which the telescoping handle plays evenly and without any of the binding which would result if the handle were not constantly maintained in proper alinement with the body.

As seen in Fig. 1, the guiding-grooves 7 for the handle are square in cross-section, and this construction has proved to be very advantageous, for the sides of the handle being made from a wire circular in cross-section have contact with the grooves only at four

points—that is, the two sides and top and bottom. This results in decreased friction, while the handle works as evenly and true as if the grooves were shaped to the wire.

5 It will be understood, of course, that the body of the strop is covered with leather or any other suitable material; but as my invention relates particularly to the telescoping handle further description of the stropping-  
c surface is not deemed necessary.

This invention is not limited to the precise construction herein set forth, as it may be modified in various details within the scope of the appended claims.

15 Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a razor-strop, a body comprising a top and a base piece, said base-piece having longitudinally-extending side flanges, a substantially U-shaped handle bearing at its sides against the flanges on the base, the ends of the handle being bent inward, and stops cooperating with said inturned ends to limit the  
25 movement of the said handle in either direction.

2. In a razor-strop, a body having suitable guiding-grooves, a handle guided in said grooves and having an open end, a spacing-block in said open end for preserving the  
30 sides of the handle in parallelism, and stops to limit the movement of the handle in either direction.

3. In a razor-strop, a body having suitable guiding-grooves, a U-shaped handle guided in said grooves, the sides of said handle being offset at their inner ends, a spacing-block between the said offset ends, and stops cooperating with said offset ends for limiting  
35 the movement of the handle in either direction.  
40

4. In a razor-strop, a body comprising a top

and a base piece, said base-piece having longitudinally-extending side flanges, a handle of substantially U shape, the sides of said  
45 handle being offset at its inner end, and a spacing-block between the said offset ends for holding the sides of the handle against the side flanges.

5. In a razor-strop, a body comprising a top  
50 and a base piece, said base-piece having longitudinally-extending flanges, a substantially U-shaped handle, the sides of said handle being bent inward at its open end, a spacing-block between the inturned ends of the han-  
55 dle for holding the sides of the handle against the said flanges, and stops cooperating with the said inturned ends of the handle to limit its movement in either direction.

6. In a razor-strop, a body having guiding-  
60 grooves square in cross-section, a U-shaped handle guided in said grooves, the sides of the handle being circular in cross-section, and a spacing-block in the open end of the handle.

7. In a razor-strop, a body comprising a  
65 base-piece having upturned flanges at its sides, a top piece supported on said flanges, a filling-piece at one end of the body and between the base and top piece, said filling-piece being of a width less than the space be-  
70 tween the flanges whereby grooves are left at each side of the filling-piece for a handle, a U-shaped handle guided in said grooves, and a spacing-block in the open end of the handle for constantly holding the sides of the  
75 handle against the flanges.

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

HOWARD B. EMERSON.

Witnesses:

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LOUIS C. SMITH.