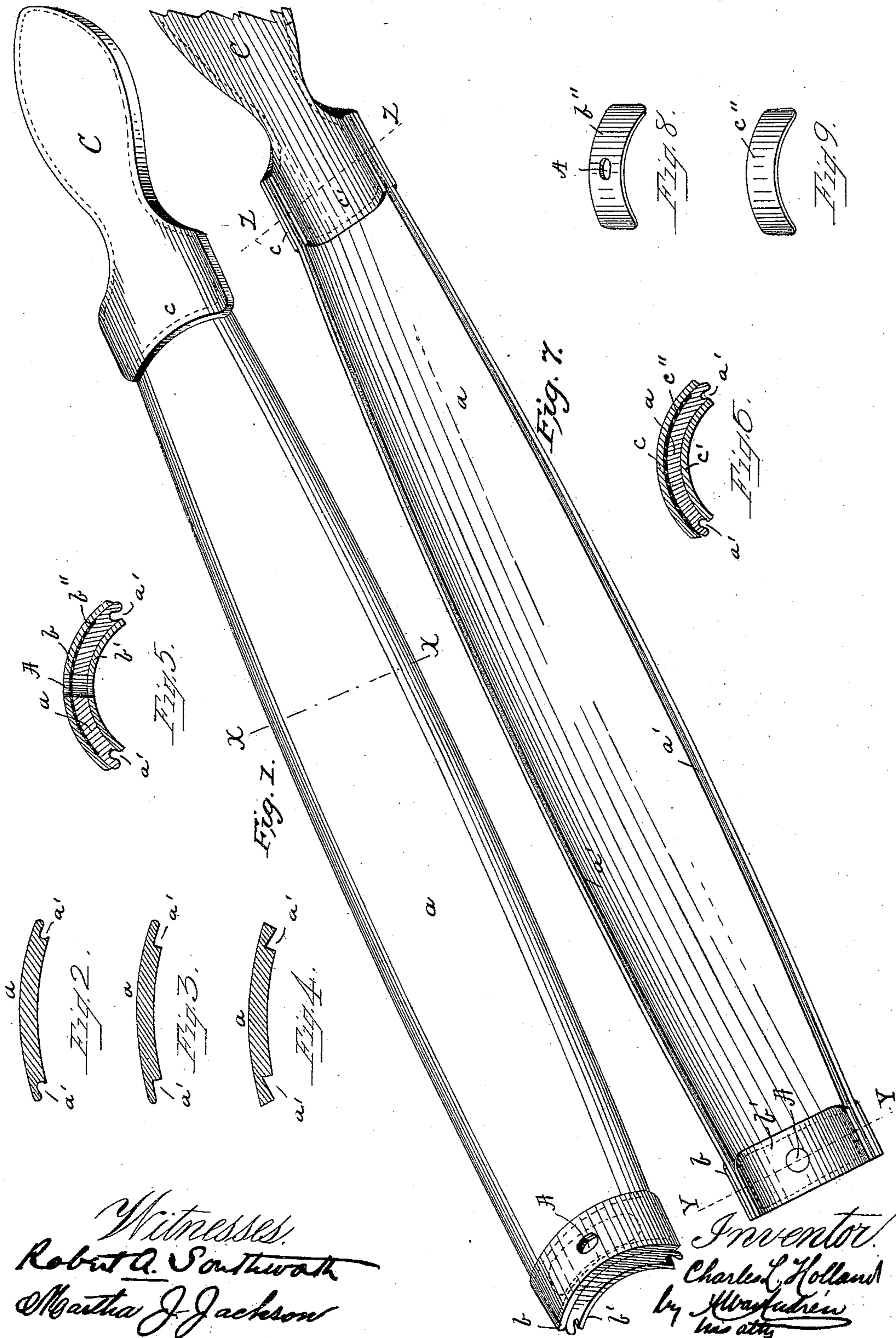


(No Model.)

C. L. HOLLAND.
RAZOR STROP.

No. 431,696.

Patented July 8, 1890.



Witnesses:
Robert A. Southworth
Martha J. Jackson

Inventor:
Charles L. Holland
by *Wm. A. Brown*
att'y

UNITED STATES PATENT OFFICE.

CHARLES L. HOLLAND, OF REVERE, ASSIGNOR OF ONE-HALF TO JOHN E. GRAHAM, OF SALEM, MASSACHUSETTS.

RAZOR-STROP.

SPECIFICATION forming part of Letters Patent No. 431,696, dated July 8, 1890.

Application filed November 8, 1889. Serial No. 329,672. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. HOLLAND, a citizen of the United States, and a resident of Revere, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Razor-Strops, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to improvements in razor-strops of the kind known in the trade as "hanging" strops, and it is carried out as follows, reference being had to the accompanying drawings, wherein—

Figure 1 represents a perspective view of the improved strop. Fig. 2 represents a cross-section on the line X X in Fig. 1. Figs. 3 and 4 represent modified forms of the grooved or channeled under side of the strop. Fig. 5 represents a cross-section on the line Y Y in Fig. 7. Fig. 6 represents a similar cross-section on the line Z Z in Fig. 7. Fig. 7 represents a bottom view of the strop; and Figs. 8 and 9 represent detail perspective views of the upper and lower shaping-plates, as will hereinafter be more fully shown and described.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

Hanging razor-strops are generally made in the form of a flat leather strap having sharp and square edges, which is objectionable, as the razor is liable to become dulled when drawn across such edges of the strop.

The object of my invention is to remedy this difficulty by so constructing a hanging razor-strop that its edges shall remain rounded, and thus producing the best and quickest results in sharpening razors or similar cutting-tools. For this purpose I make on the under side of the strop *a*, near its outer edges, a pair of longitudinal grooves *a' a'* by the removal of a portion of the stock, as shown in Figs. 2, 3, 4, and 7. Such grooves may be of any desired form or shape, and by this arrangement the edges of the strop *a* are made elastic and flexible, capable of being easily curved, as shown in the drawings, for the purpose set forth. The strop-edges may be glued to the under side of the strop, if so desired.

To the outside and inside of the upper end of the strop *a*, I sew the leather or metal pieces *b* and *b'*, the former being somewhat longer than the latter, so as to cause the upper end of the strop to be made convex on its upper side and concave on its under side. To the lower end of the strop *a* is secured the handle *C*, which is preferably made in two parts stitched together and united to the lower end of the strop by means of the handle ends *c* and *c'*, the former being the outside and larger one and the latter being the under side and lesser one, for the purpose of convexing the outside and concaving the under side of the strop. For the purpose of still further retaining the outside convex shape of the strop, I prefer to secure to the upper end of it, above or below said strop, a curved spring-metal plate *b''*, and in a like manner a similar spring-metal plate *c''* is secured to the inside or outside of the lower end of said strop *a*, as shown in Figs. 5, 6, 8, and 9. Such curved plates *b'' c''* or shape-retainers *b b' c c'* may be used with leather or canvas strops to equal advantage.

A is a perforation, as usual, through the upper end of the strop for the purpose of suspending it on a nail or hook attached to the wall or other object, as usual.

What I wish to secure by Letters Patent, and claim, is—

1. The improved razor-strop, as described, provided with longitudinal grooves or cut-away portions *a' a'* on its under side for the purpose of rounding and rendering the edges of the strop flexible, as herein set forth.

2. The strop *a*, having longitudinal grooves *a' a'* on its under side, combined with outer and inner shape-retaining pieces secured at the inside and outside of its ends, such shape-retaining pieces being longer on the outside of the strop than on the inside thereof, for the purpose set forth.

3. The strop *a*, having longitudinal grooves *a' a'* on its under side, combined with curved metal plates *b'' c''*, secured, respectively, to its upper and lower ends, substantially as and for the purpose set forth.

4. The strop *a*, having longitudinal grooves

a' a' on its under side, combined with outer and inner shape-retaining pieces secured to the ends of the strop and the curved metal pieces *b'' c''*, substantially as and for the purpose set forth.

5 In testimony whereof I have signed my name to this specification, in the presence of

two subscribing witnesses, on this 29th day of October, A. D. 1889.

CHARLES L. HOLLAND.

Witnesses:

ALBAN ANDRÉN,
MARTHA J. JACKSON.