

No. 834,628.

PATENTED OCT. 30, 1906.

W. L. MARBLE.
AX EDGE PROTECTOR.
APPLICATION FILED SEPT. 23, 1905.

Fig. 1.

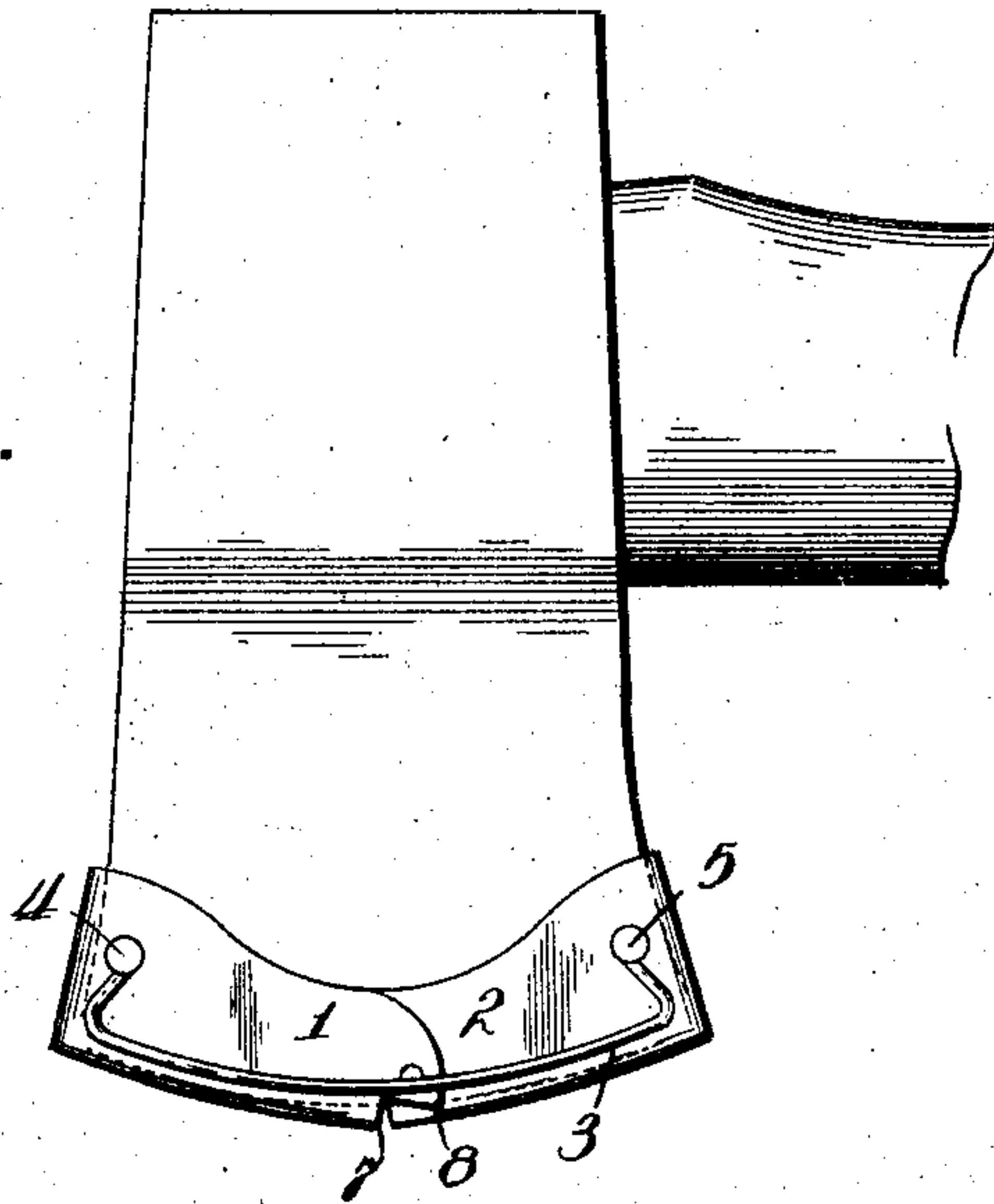


Fig. 2.

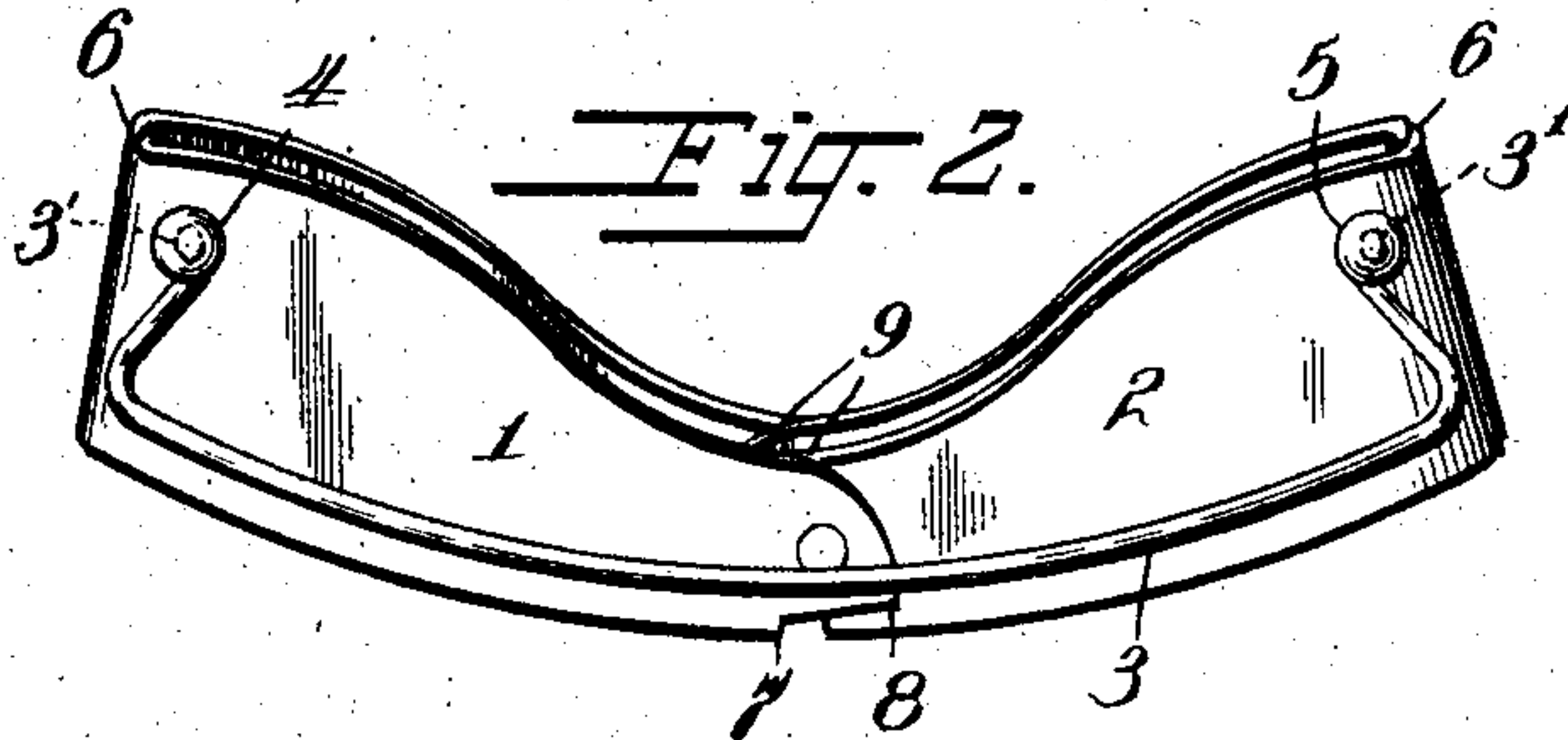


Fig. 3.

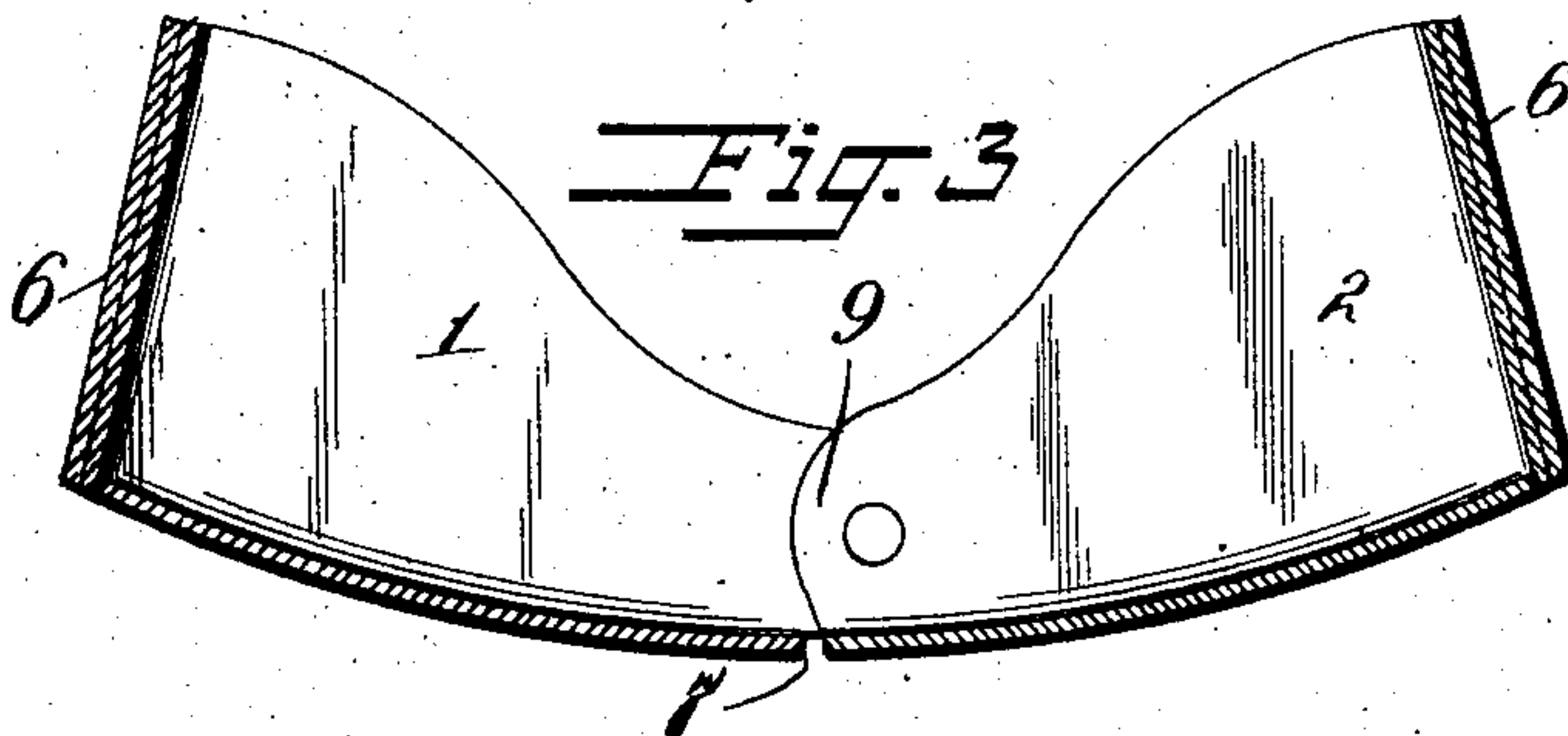
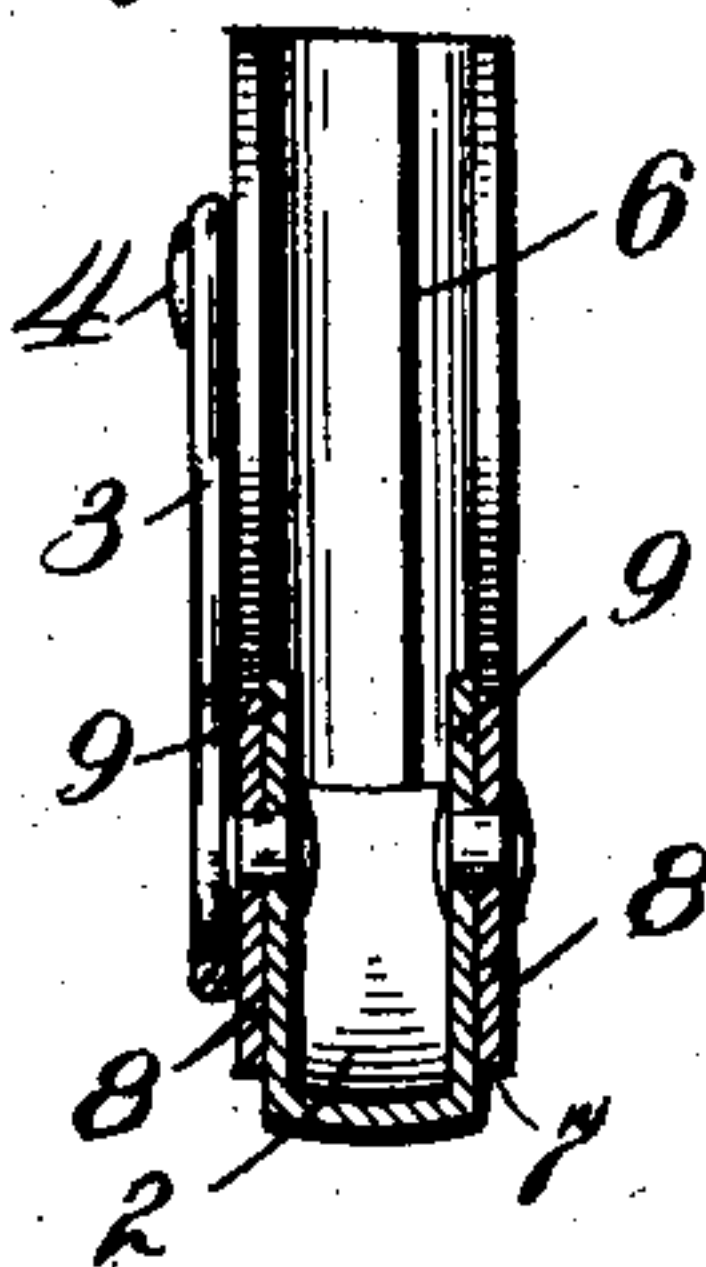


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

WEBSTER L. MARBLE, OF GLADSTONE, MICHIGAN, ASSIGNOR OF ONE-HALF TO FRANK H. VAN CLEVE, OF ESCANABA, MICHIGAN.

AX-EDGE PROTECTOR.

No. 834,628.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed September 23, 1905. Serial No. 279,813.

To all whom it may concern:

Be it known that I, WEBSTER L. MARBLE, a citizen of the United States, residing at Gladstone, in the county of Delta and State of Michigan, have invented new and useful Improvements in Ax-Edge Protectors, of which the following is a specification.

This invention relates to ax-edge protectors.

The object of the present invention is the provision of a cheap, simple, light, and durable ax-edge protector of improved construction which can be rapidly and easily attached to or detached from the ax and conveniently carried in the pocket when not in use.

The invention also contemplates providing an improved ax-edge protector adapted to hold itself on the ax without connecting devices of any kind and also to automatically adjust itself to ax-blades of different widths within certain limits.

The present invention is intended more particularly for use on camp and chopping axes which are carried about from place to place in wagon, canoe, or pack and protects the ax edge from injury, as well as preventing injury to objects with which it may come in contact when not in use.

The invention is set forth fully hereinafter and recited in the appended claims.

In the accompanying drawings, Figure 1 is a view of the ax-edge protector applied to an ax. Fig. 2 is a perspective view of the ax-edge protector looking into the interior thereof; Fig. 3, a longitudinal section through the ax-edge protector; Fig. 4, a cross-section through the pivots connecting the two sections of the protector.

The protector is composed of two flat pocket-like clips or sections 1 and 2 of sheet metal pivoted together and urged toward each other by a spring, preferably a bowed wire spring 3, whose ends are formed into eyes 3', which are pivotally secured to the respective sections 1 and 2 by rivets 4 and 5, which they encircle. The body portion of the spring preferably lies flat along one side of said sections. If preferred, another spring similar to spring 3 may be used on the opposite sides of the sections 1 and 2.

Each of the sections 1 and 2 is a rigid structure, being formed from a single piece of sheet metal bent to the desired shape so as to form two parallel sides, a bottom, and one

end, the other end and the top being left open. The closed end 6 is composed of two overlapping parts, so that it is of double thickness, and is therefore stiff and strong. The sides of said sections are preferably flat and parallel, and the bottom of one section is cut out at 7, thus providing the ears 8, between which is received the end of the other section which is pivoted to said ears at 9, the axis of the pivot being transverse to the sides of said sections.

The use of two sections or clips adjustably connected together enables the protector to be used on ax-blades of different widths, while the provision of the spring combined therewith causes the device to automatically engage with the inclined ends of the blade and hold itself on the same without necessitating the use of other fastenings.

In using the protector it is simply snapped over the ax edge and assumes the position shown in Fig. 1. When the ax is to be used, the protector is pulled off the ax-blade and may then be carried in the coat or vest pocket until it is desired to replace it on the ax-blade.

It is obvious that the clips or sections 1 and 2 need not be of equal length, as one might be longer than the other, nor of the precise form shown, and the manner of connecting them together could be varied, as also the form of spring used. I do not, therefore, limit myself to the details of the construction shown and described in carrying out the invention.

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

1. An ax-edge protector composed of two flat pocket-like ax-edge-protecting sections or clips pivotally connected together on an axis transverse to the side of said sections, and adapted to fit over the edge of the ax-blade and engage with the inclined ends thereof.

2. An ax-edge protector composed of two flat pocket-like rigid sections or clips, having open tops so that they are adapted to fit over the edge of the ax-blade, and a spring connecting said sections and causing them to automatically engage with said blade.

3. An ax-edge protector composed of two flat pocket-like ax-edge-protecting sections or clips pivotally connected together on an

axis transverse to the side of said sections, and a spring having its ends respectively connected with said sections.

4. An ax-edge protector composed of two
5 flat pocket-like ax-edge-protecting sections pivotally connected together on an axis transverse to the side of said sections, and a bowed spring whose ends are connected to the respective sections, and whose interven-
10 ing portion lies along one side of said sections.

5. An ax-edge protector composed of two flat pocket-like sheet-metal sections pivoted together on a transverse axis and adapted to

engage with the ends of the ax-blade, a bowed 15
spring having a body portion lying flat along one side of said sections and provided with eyes at its ends, and studs on the respective sections which pass loosely through the eyes
aforesaid. 20

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

WEBSTER L. MARBLE.

Witnesses:

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HARLEY WADSWORTH.