

E. BELL.
SANDPAPER HOLDER.
APPLICATION FILED NOV. 18, 1909.

955,575.

Patented Apr. 19, 1910.

Fig. 1.

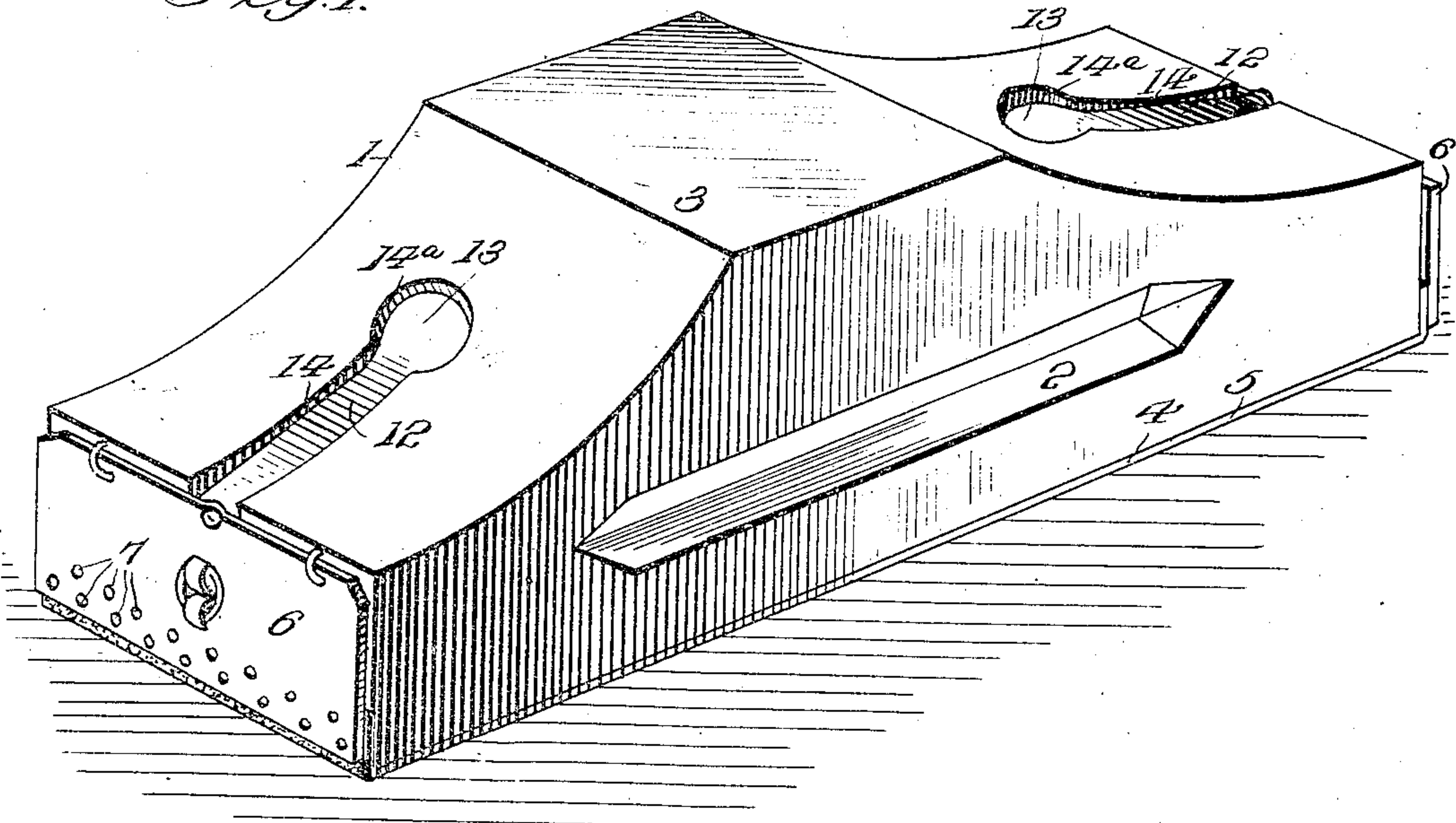


Fig. 2.

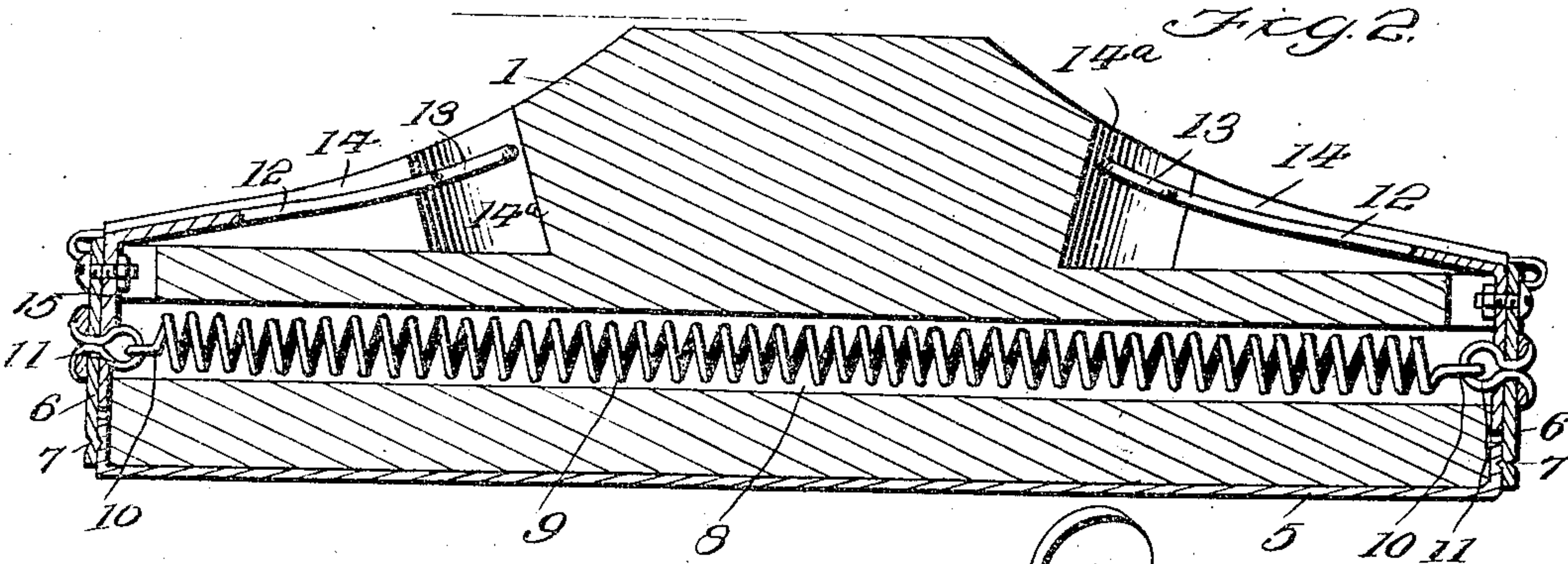
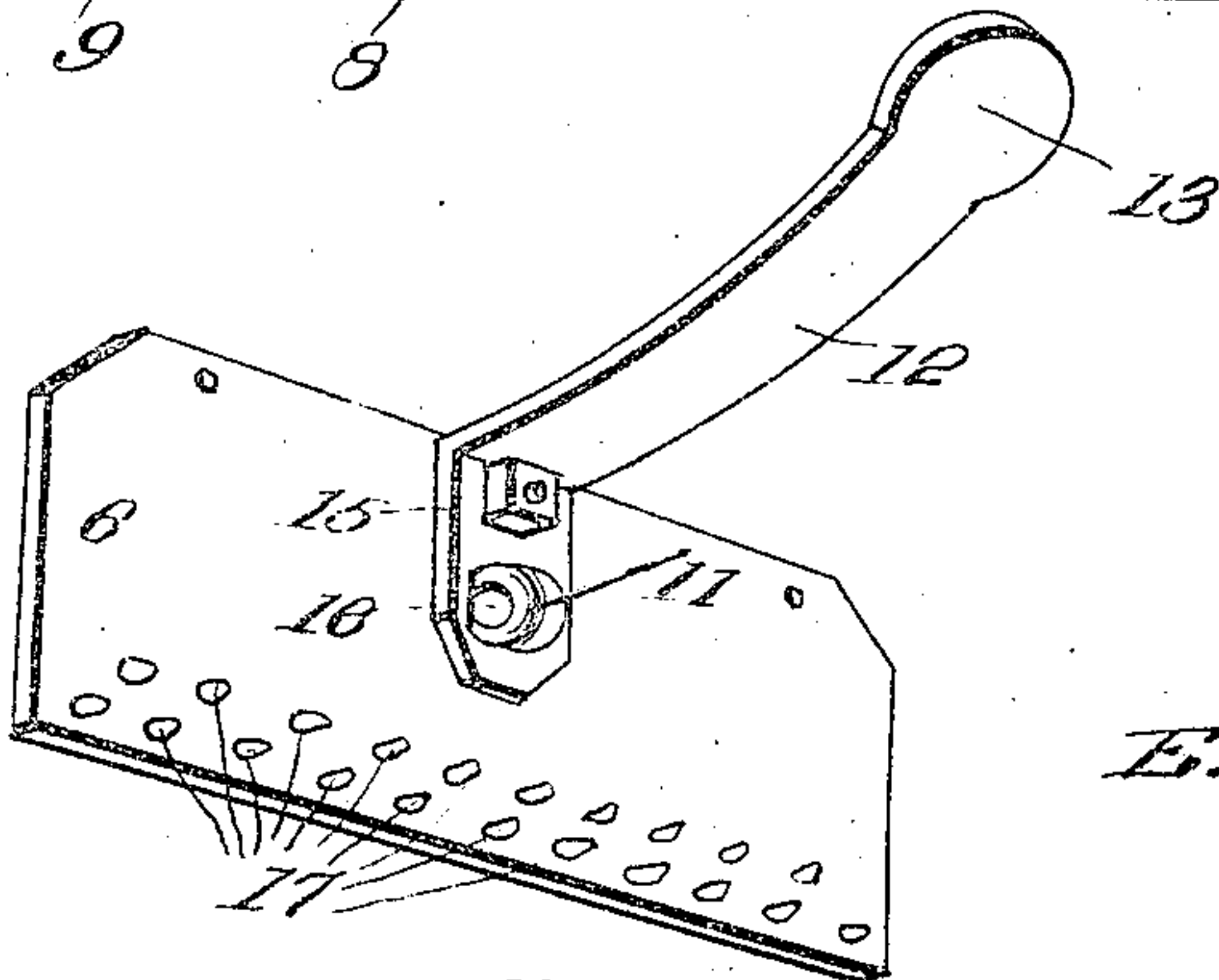


Fig. 3.



Inventor
E. Bell.

Witnesses
W. H. Woodson,
Juana M. Tallin,

By

A. H. Macey, Attorneys.

UNITED STATES PATENT OFFICE.

ELMER BELL, OF WEST MIDDLETOWN, OHIO.

SANDPAPER-HOLDER.

955,575.

Specification of Letters Patent. Patented Apr. 19, 1910.

Application filed November 18, 1909. Serial No. 523,777.

To all whom it may concern:

Be it known that I, ELMER BELL, citizen of the United States, residing at West Middletown, in the county of Butler and State of Ohio, have invented certain new and useful Improvements in Sandpaper-Holders, of which the following is a specification.

This invention relates generally to lumber or board dressing appliances or tools and the invention has for its primary object a simple and durable construction of holder for use in connection with sand paper sheets, the same being efficient in operation to securely hold a strip or strips of sand paper in a manner which will render it convenient for the carpenter to work the sand paper over the surface to be dressed.

With this and other objects in view as will more fully appear as the description proceeds, the invention consists, essentially, in a sand paper block so formed as to constitute an easy and convenient hand-hold and provided with spring clamps that are designed to securely engage the ends of a strip or strips of sand paper, while at the same time the lower flat face of the block forms a proper backing for said strips, and the invention also consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a sand paper block embodying my invention; Fig. 2 is a longitudinal sectional view thereof; and, Fig. 3 is a perspective view of one of the clasps.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

My improved sand paper holder comprises a block 1 which may be formed of any desired substance or material, either solid or hollow, (the former in the present instance) and which may be of any desired shape or design, although preferably being formed with finger and thumb grooves 2 at opposite sides and a flat palm rest 3, the upper surface of said block preferably tapering from said palm rest, whereby to form proper engagement surfaces for, say, the fore-finger

of the operator's hand when the device is held therein.

The lower face of the block 1 is preferably plane or flat, as indicated at 4, and a strip of sand paper, as indicated at 5, is designed to be applied to such face, the ends of the strip being turned up into engagement with the ends of the block and held at such points by clamping plates 6. These plates are hinged at their upper edges to the ends of the block, as by staples or the like, as clearly illustrated in the drawing, and they are formed on their inner faces and preferably at their lower edges with roughened or serrated surfaces 7, whereby they may be more securely engaged and hold the ends of the sand paper strip 5. In order to hold these clamping plates 6 in firm engagement with the ends of the sand paper strip 5, the block 1 is formed with a longitudinal bore 8 and a coil spring 9 is mounted in said bore. Hooks 10 are secured to the ends of the contractile spring 9 and are intended for engagement in eyes 11 which are secured in the respective clamping plates 6. In the preferred construction, the ends of the eyes 11 are passed outwardly through openings formed in the respective clamping plates 6 and are engaged or bent outwardly against the outer faces of the plates, as shown.

The releasing means for the plates 6 in the present embodiment of my invention comprises handles 12 formed at their free ends with finger pieces 13 and lying in recesses 14 formed in the upper face of the block 1. These handles 12 are formed with angularly disposed outer ends 15 which are secured to the upper edges of the respective clamping plates 6 by screw bolts and nuts or similar fastening devices, and the lower extremities of these angularly disposed portions 15 of the handles are formed with apertures 16 through which the respective eyes 11 extend, said eyes thereby serving the function of fastening devices for the handles as well as keepers or engaging devices for the hooks of the contractile spring 9. Obviously, the inner ends of the recesses 14 are enlarged, as indicated at 14^a, to accommodate the finger pieces 13 of the handle.

From the foregoing description in connection with the accompanying drawing, the operation of my improved sand paper holder will be apparent. In the practical use of the device, one or any other desired number of strips of sand paper, as 5, are

applied to the face 4 of the block 1, their ends being slipped in between the roughened faces of the clamping plates 6 and the ends of the block, the finger pieces 13 being tapered so as to swing the plates outwardly to permit of this insertion and being then released, whereupon the plates will securely clamp the strip or strips and the parts will be thus assembled in readiness for the surface dressing operation. When one strip has become worn out, it may be readily replaced by another or removed and the next strip underneath used, if the strips be superposed one upon the other on the holder. It will be seen that I have provided a very simple, durable and efficient construction of sand paper holder which is composed of comparatively few parts that may be cheaply manufactured and easily assembled and which will not be liable to get out of order.

While the accompanying drawing illustrates one embodiment of my invention, it is to be understood that my invention is not limited thereto, but that various changes may be made in the construction, arrangement and proportions of the parts without departing from the scope of the invention as defined in the appended claims.

Having thus described the invention, what is claimed as new is:

1. A sand paper holder, comprising a block, clamping plates hingedly connected to the ends of said block, the block being formed with a longitudinal bore extending therethrough, and a contractile spring located in said bore and connected to said plates.

2. A sand paper holder, comprising a block formed with a longitudinal bore, a spring mounted in said bore, clamping plates hingedly connected to the ends of said block, eyes secured to said plates and projecting inwardly therefrom, hooks connecting the spring to the eyes of the respective plates, and releasing handles, said handles being formed with angular portions, the extremities of which are provided with apertures through which the eyes pass, as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ELMER BELL. [L. S.]

Witnesses:

C. M. CARVER,
JOHN L. BELL.