

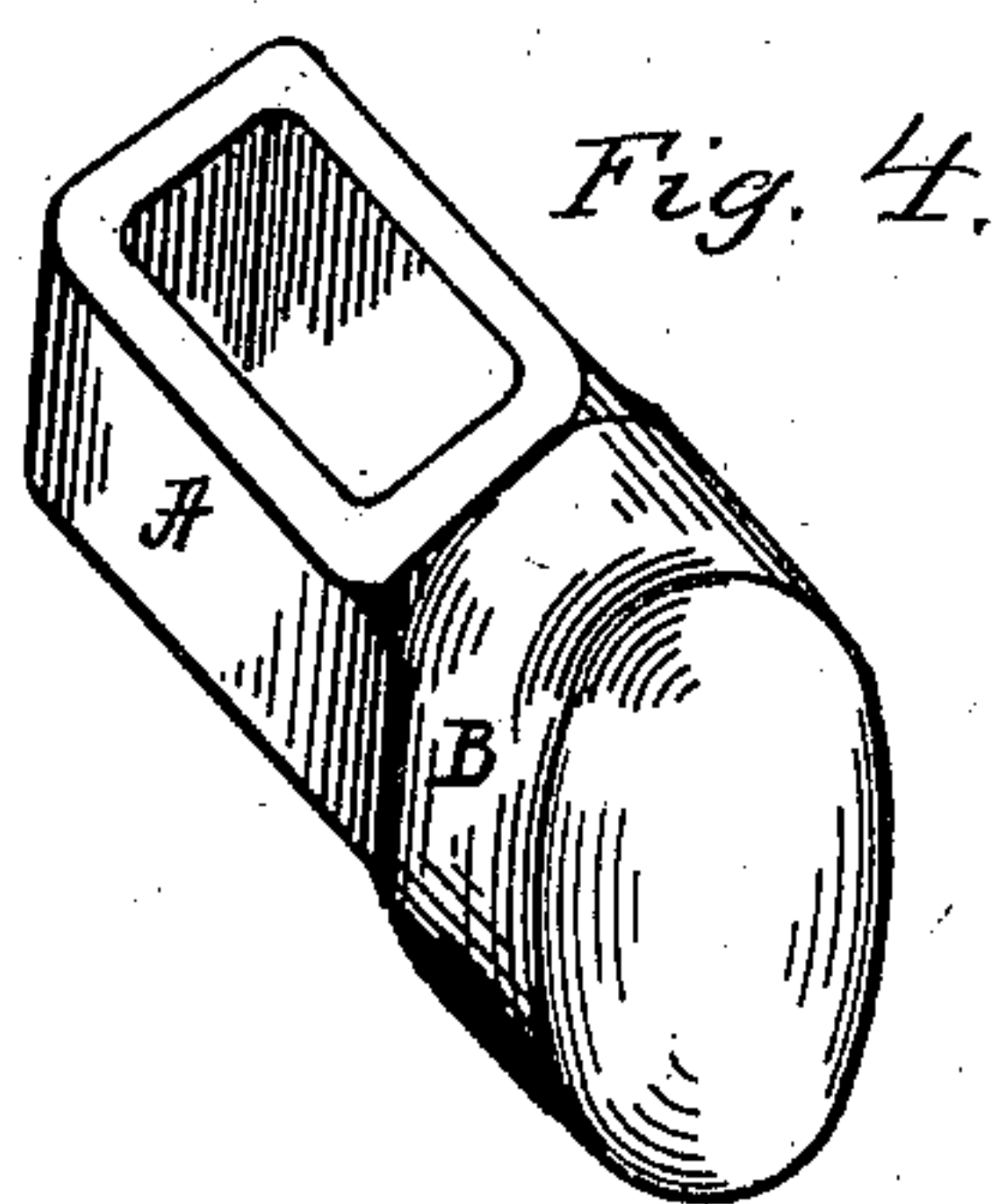
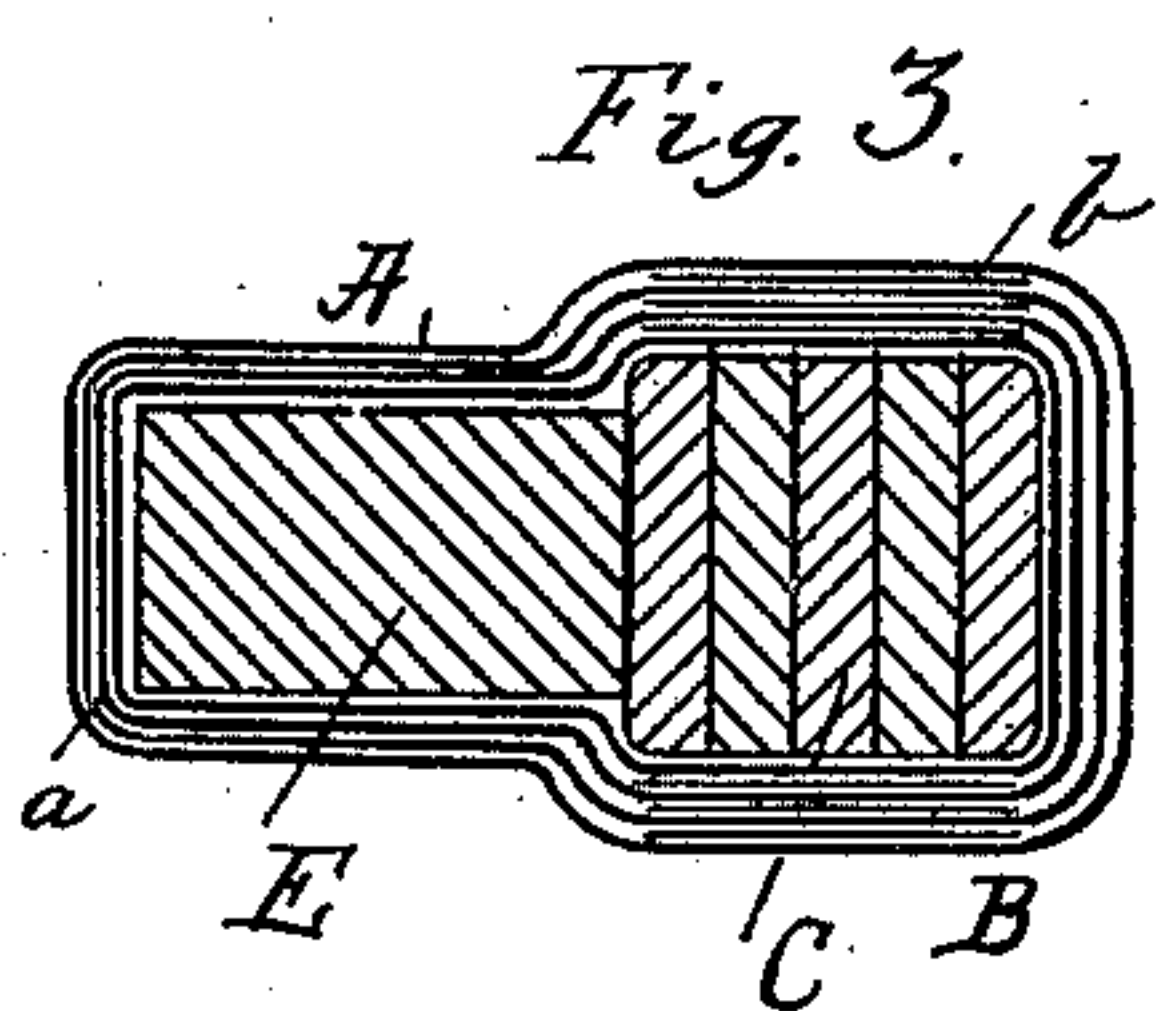
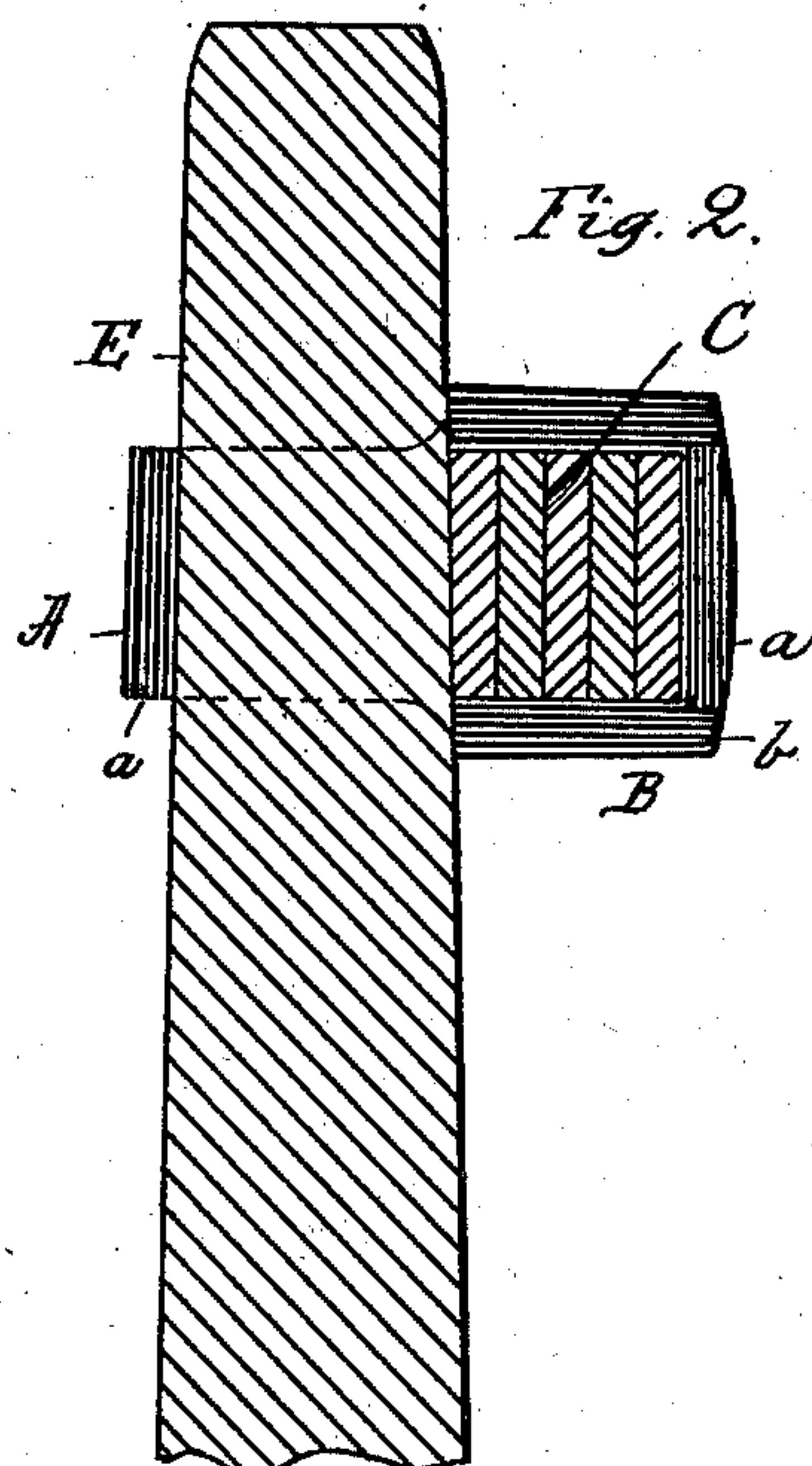
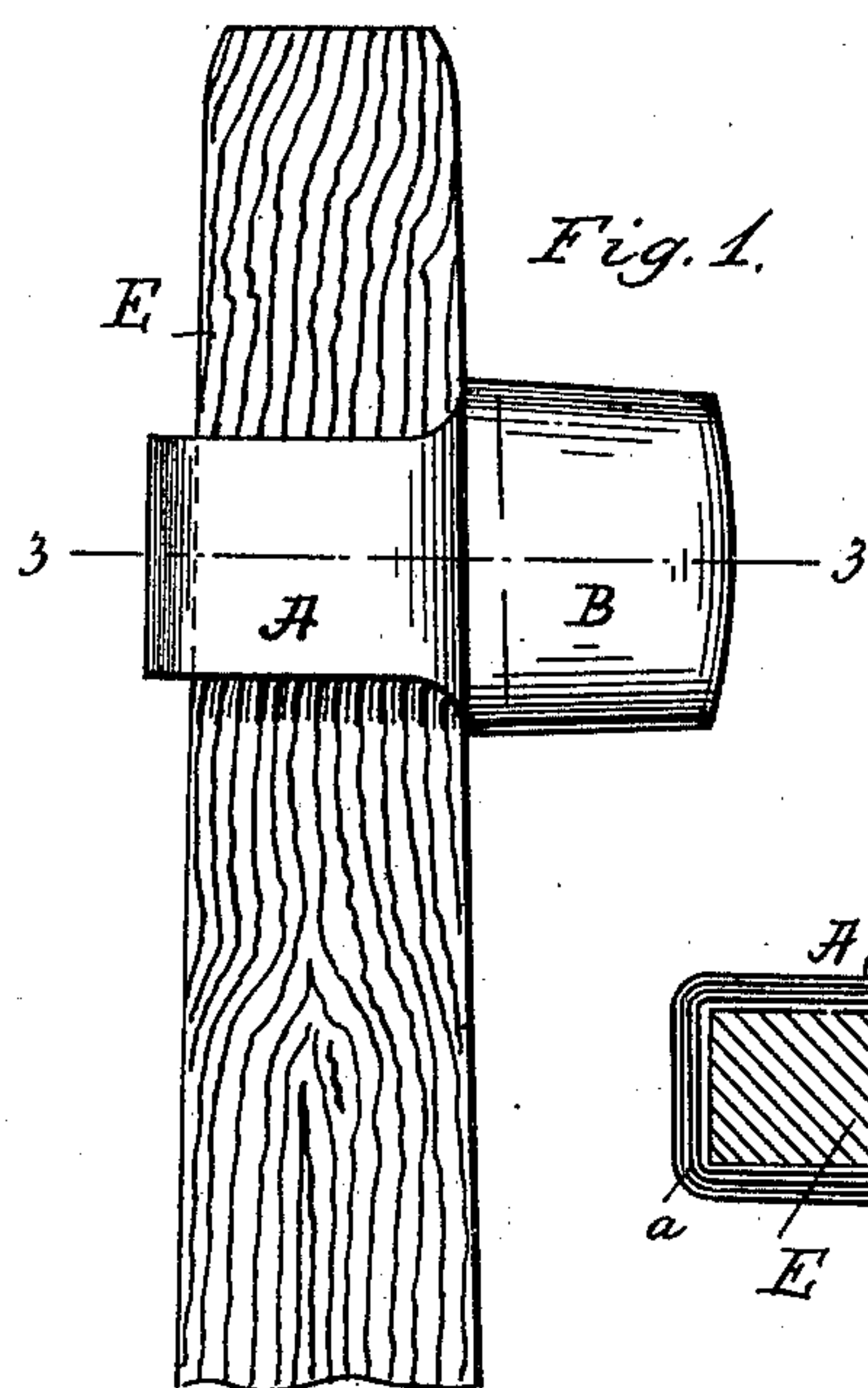
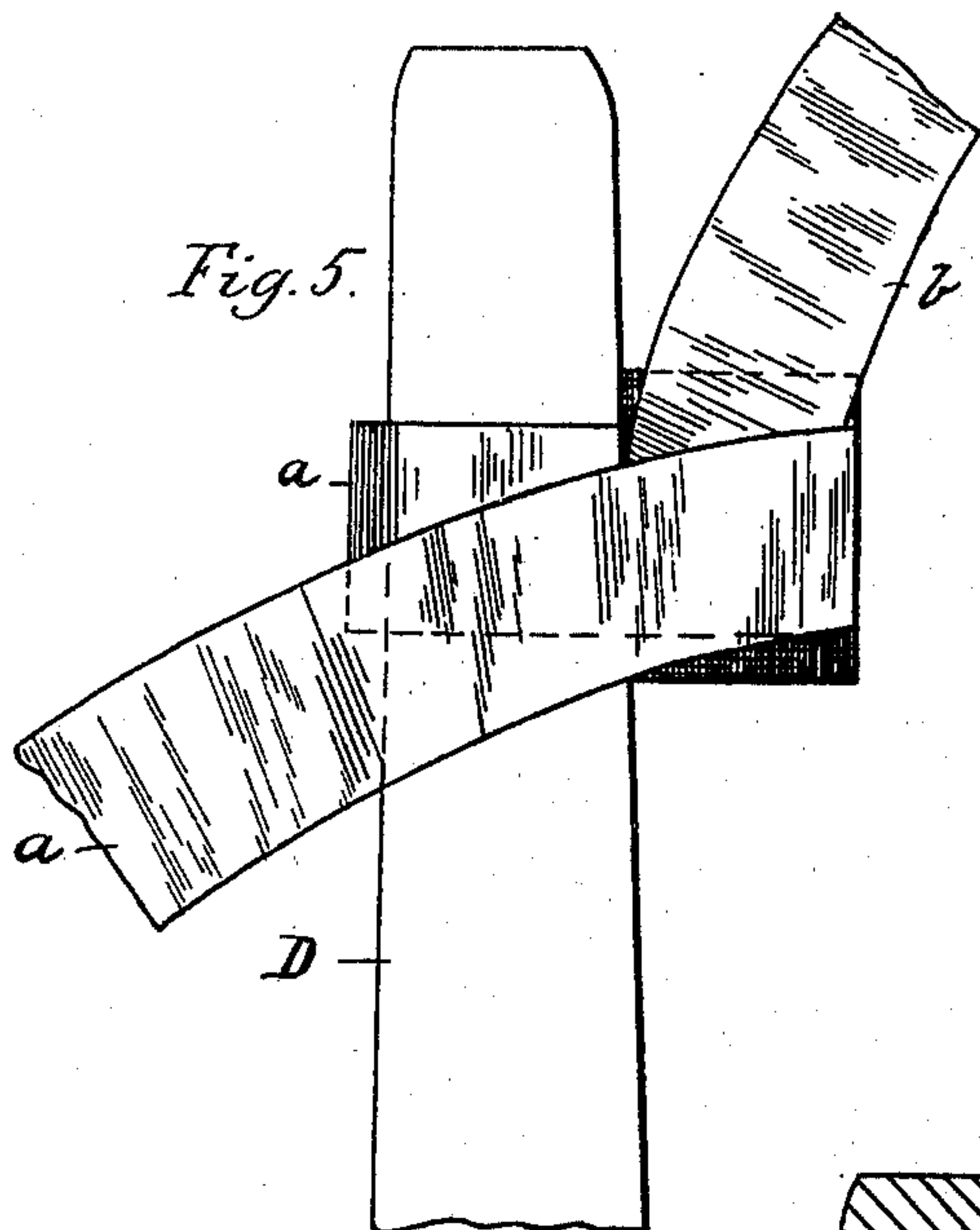
No. 625,620.

Patented May 23, 1899.

F. A. WARDWELL.
LOOM PICKER.

(Application filed Nov. 17, 1898.)

(No Model.)



Witnesses
Karl A. Andrién.
Charles A. Harris.

Inventor
Frank A. Wardwell
by
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UNITED STATES PATENT OFFICE.

FRANK A. WARDWELL, OF METHUEN, MASSACHUSETTS.

LOOM-PICKER.

SPECIFICATION forming part of Letters Patent No. 625,620, dated May 23, 1899.

Application filed November 17, 1898. Serial No. 696,724. (No model.)

To all whom it may concern:

Be it known that I, FRANK A. WARDWELL, a citizen of the United States, residing at Methuen, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Loom-Pickers, of which the following is a specification.

This invention relates to improvements in loom-pickers; and it is carried out as follows, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side elevation of the invention. Fig. 2 represents a longitudinal section of the same. Fig. 3 represents a cross-section on the line 3 3 shown in Fig. 1. Fig. 4 represents a perspective view of the improved loom-picker, and Fig. 5 represents a side elevation showing the improved loom-picker in process of construction.

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

In the drawings, A represents the loop or binder, and B represents the casing within which is contained the filling, composed of sheets C of leather or other suitable yielding material. The loop or binder A is composed of a strip *a*, preferably made of suitable textile or fibrous material, and the casing B is likewise composed of a strip *b*, preferably made of a similar textile or fibrous material.

In making my improved loom-picker I make use of a suitable former D, (shown in Fig. 5,) preferably made of metal and of a sectional shape and size like the picker-bar E, on which the loom-picker is to be used. Against the front edge of such metal former D, I place the filling C and wind around the latter and the bar D in a horizontal plane the strip or ribbon *a*, which is preferably saturated with cement or other suitable adhesive substance, which ribbon serves for the formation of the loop or binder and also in part as the formation of the casing within which the filling is contained. At the same time I wind around the filling in a vertical plane a similar strip or ribbon *b*, which is likewise preferably saturated with cement or other suitable adhesive material, and said ribbon serves for the formation of the casing within which the filling is contained. In winding the said ribbons *a* and *b* around the bar D and filling C, I prefer

to lap alternately one of the ribbons over the other where they cross each other, as represented in Fig. 5, so as to cause the laminated layers of the respective ribbons to be, as it were, interwoven and firmly united together by the adhesive material. A single ribbon may be used, if so desired, and intermittently wound horizontally around the bar D and filling C and vertically around the latter; but in practice I prefer to employ two separate ribbons, as by such means a smoother and more finished result is obtained. After the cemented ribbons have been thus wound around the bar D and filling C their ends are cemented onto the respective outer layers, and thus secured in place, after which the casing is forced into a female mold of the shape and size intended to be given to the finished casing and allowed to set and harden, after which it is removed from said mold and the bar D withdrawn from the loop or binder A, leaving the now-finished loom-picker in the shape as represented in Fig. 4 and adapted to receive the picker-staff E, as shown in Figs. 1, 2, and 3.

For additionally strengthening and uniting the ribbons of which the improved loom-picker is composed I may in practice prefer to apply to it one or more coatings of suitable cement, varnish, shellac, &c., so as to render it waterproof and of a more smooth and finished appearance.

The improved loom-picker thus constructed is very light, strong, and durable. It can be manufactured at a small expense and is not liable to be readily broken down or disintegrated during the weaving operation.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

1. The herein-described loom-picker, consisting of a filling, and a textile or fibrous ribbon or ribbons alternately wound in horizontal and vertical planes around the filling, said horizontally-wound ribbon being passed over and covering the front face of the filling and extended in rear thereof to provide a loop or binder, the overlapping portions of said ribbon or ribbons being united by adhesive material, substantially as and for the purpose described.

2. A loom-picker consisting of a filling and a ribbon or ribbons adhesively treated and

wound in two opposite planes, one vertically for the formation in part of the casing, and the other horizontally for the formation of the binder and portion of the casing, said latter-
5 named ribbon extending across the outer face of the filling, substantially as and for the purpose set forth.

3. As a new article of manufacture, a loom-
picker composed of superposed layers of tex-
10 tile material wound in two opposite planes to form a binder portion and working face respectively, the contacting surfaces of said tex-

tile material being bound together by an adhesive substance, and the exterior surface of the picker being coated with a waterproofing 15 composition, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FRANK A. WARDWELL.

Witnesses:

LONZO S. CROSBY,
JOS. S. HOWE.