(84.)

F. S. BEARDSLEY.

Improvement in India Rubber Binding for Matting.

No. 122,933. Patented Jan. 23, 1872.

fig. 1.

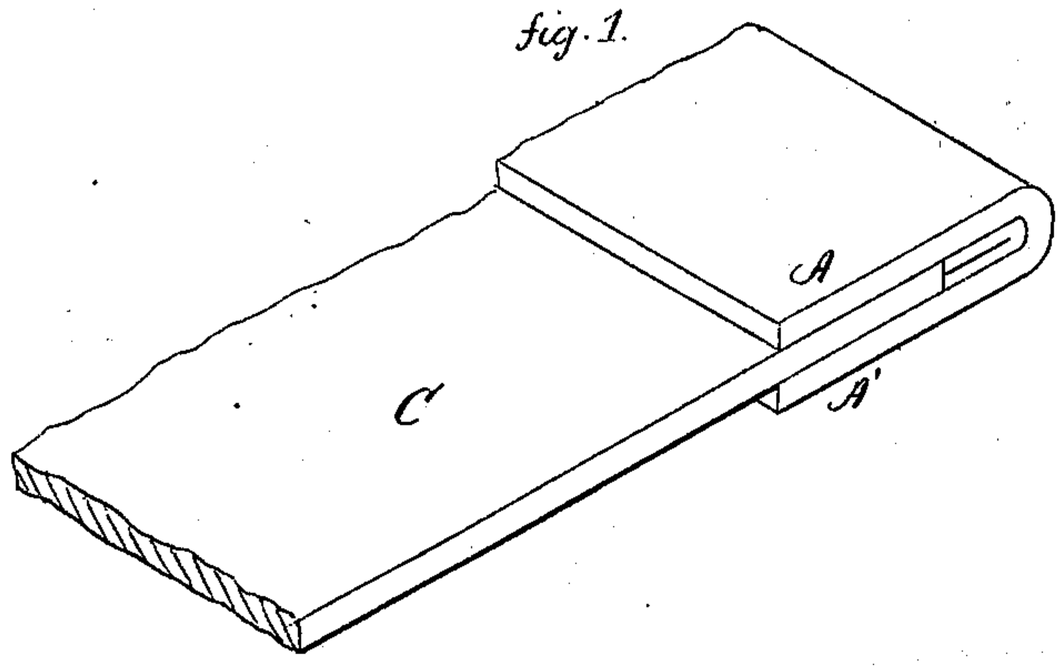


fig. 2.

fig. 3.

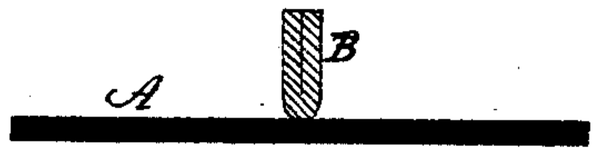
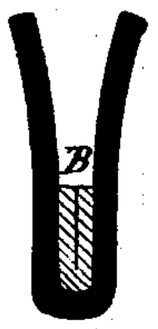


fig. 4



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERICK S. BEARDSLEY, OF BRIDGEPORT, CONNECTICUT.

IMPROVEMENT IN INDIA-RUBBER BINDINGS FOR MATTING.

Specification forming part of Letters Patent No. 122,933, dated January 23, 1872.

To all whom it may concern:

Be it known that I, FREDERICK S. BEARDSLEY, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new Improvement in India-Rubber Binding; and I do hereby declare the following, when taken in connection with the accompanying drawing and letters of reference marked thereon to be a full, clear, and exact description of the same, and which said drawing constitutes a part of this specification, and represents in—

Figure 1, a perspective view of a material with the binding applied, and in Figs. 2, 3, and 4, transverse sections, showing the construction of the binding.

This invention relates to a binding chiefly designed for matting, but is alike applicable to many other uses, the object being to construct a durable binding from India rubber which may be applied to articles where hard wear is unavoidable, and secured without stitches or an equivalent device; and it consists in the employment of a strip of India rubber and fabric combined, doubled, and at the point of folding a strip of India rubber inserted, of about the thickness of the fabric to be bound, so as to spread the binding to that extent—the binding completed and ready for use by the process of vulcanization.

I take a strip, A, of any desirable length and width required for the binding, formed of fabric and India rubber or any of its allied gums. Then at its center, as seen in Fig. 3, before vulcanization, I place a narrow strip of India rubber, B, the thickness, or nearly so, of the material to be bound; then double or fold the strip A around the strip B, as seen in Fig. 4, pressing the strip A onto the strip B; then completing by the process of vulcanization, leaving the binding complete, as in Fig. 4, ready for use. The material C, Fig. 1, to be bound is inserted between the two parts, A A′, of the binding, and any suitable gum for securing the binding to the material is applied, and the binding pressed thereon, as seen in Fig. 1, making it practically a part of the material bound. The edge being protected by the introduction of the piece B does not cut the outer binding, as would be the case were this piece not introduced.

I have represented the binding in the drawing as very much enlarged. The thickness necessary for the article for which it is to be applied will be readily understood by those familiar with the use of India rubber.

I claim as my invention—

As an article of manufacture, a binding formed from a strip, A, having the piece of filling B inserted between the folds of the binding, in the manner substantially as described.

FREDERICK S. BEARDSLEY.

Witnesses:

GOODWIN STODDARD,

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