

(No Model.)

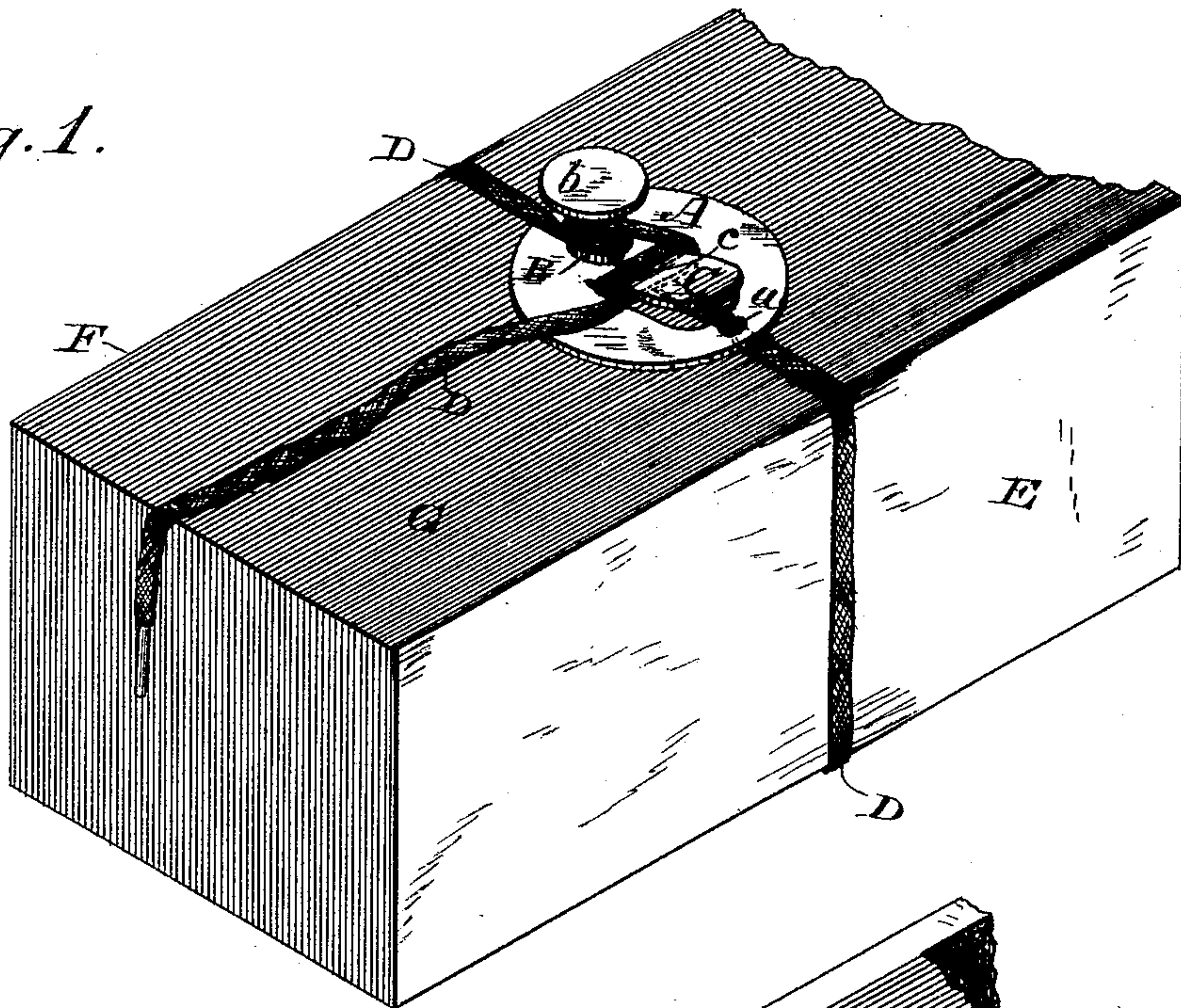
2 Sheets—Sheet 1.

J. A. RILEY.  
TIE FASTENER.

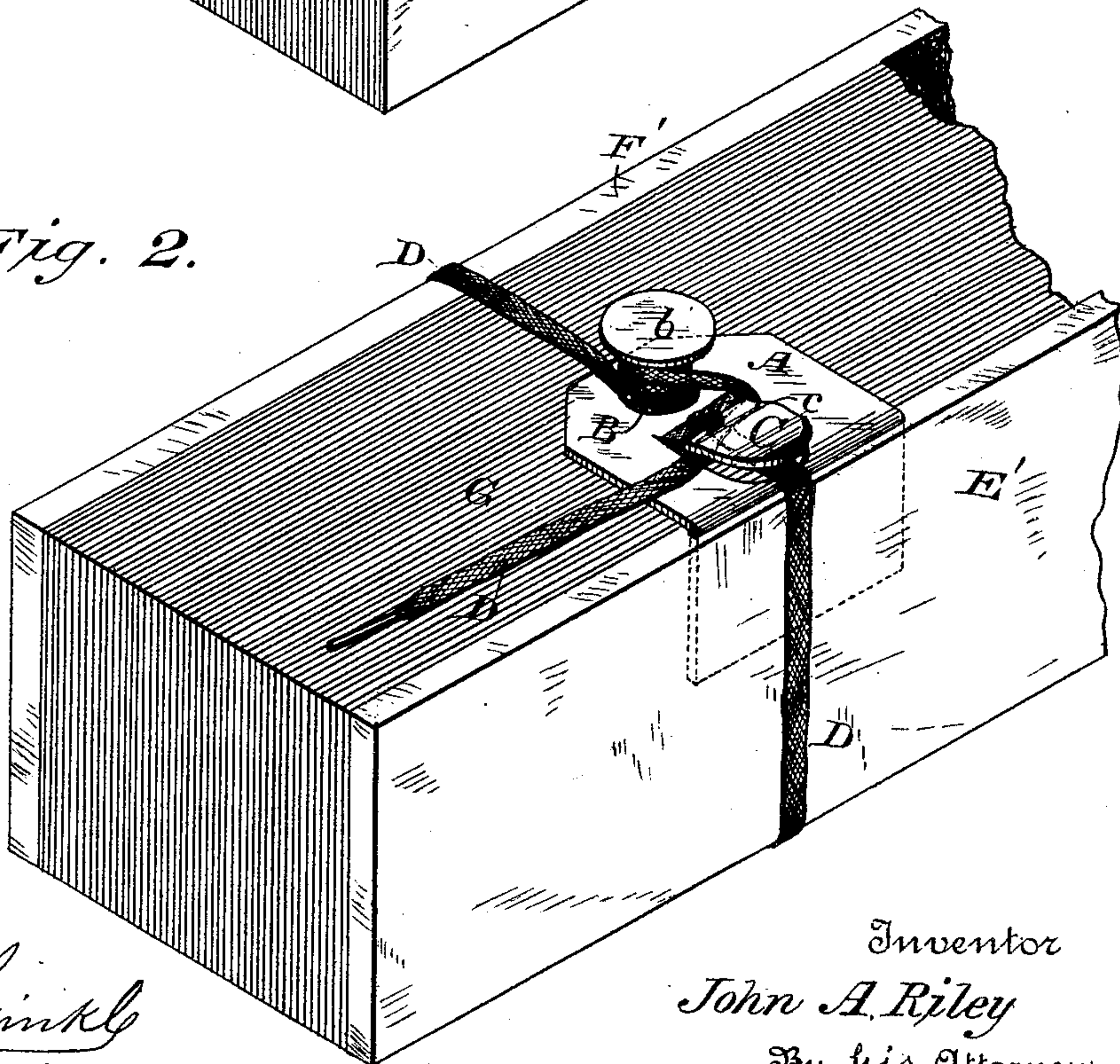
No. 415,283.

Patented Nov. 19, 1889.

*Fig. 1.*



*Fig. 2.*



Witnesses

*Wm. A. Sisk*  
*Frank Neil*

Inventor

*John A. Riley*

By his Attorneys

*W. H. Chadsey*

(No Model.)

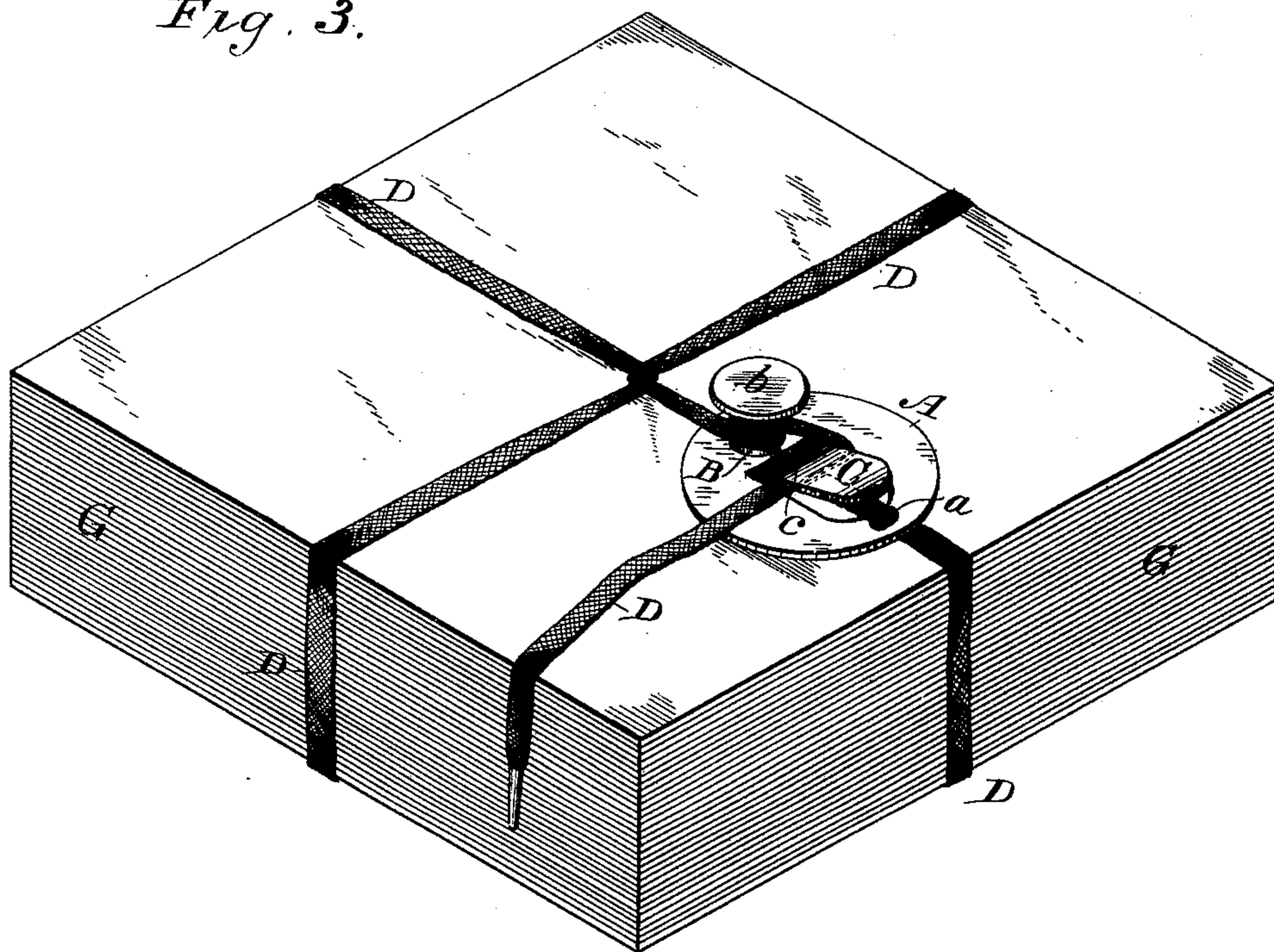
2 Sheets—Sheet 2.

J. A. RILEY.  
TIE FASTENER.

No. 415,283.

Patented Nov. 19, 1889.

*Fig. 3.*



Witnesses

*Wm A. Linnell*  
*Chas. E. Gorton*

Inventor

*John A. Riley*  
By his Attorney  
*W. H. Chadsey*



# UNITED STATES PATENT OFFICE.

JOHN A. RILEY, OF ALBUQUERQUE, TERRITORY OF NEW MEXICO.

## TIE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 415,283, dated November 19, 1889.

Application filed March 7, 1889. Serial No. 302,284. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN A. RILEY, a citizen of the United States, residing at Albuquerque, in the county of Bernalillo, Territory of New Mexico, have invented a new and useful Improvement in Tie - Fasteners, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

It has been found convenient in tying cords or strings around packages, bales, bundles of various kinds, letters or papers in envelopes, and files of papers, bills, &c., to first securely attach one end of the cord or string to a plate that is provided with an arm or stud or having an aperture wherewith to afford a means of securing or assisting in securing the other end of the cord or string after it has been tightly drawn around the bale, bundle, or package, &c.; but such tie-fasteners have not afforded constructions sufficient in their holding capacity, and at the same time insuring the desired facility of manipulation, for rendering them practically successful in meeting the various requirements in ready-tie fasteners.

The objects of my invention are to provide a tie-fastener that is light and inexpensive, affording superior means for ready manipulation and answering the purposes of securely holding when used upon bales, bundles, or packages of the kinds ordinarily tied up with cords or strings.

The invention consists in the combinations of parts hereinafter described, and specifically embraced in the claims.

Figure 1 is a perspective view of a package or file of papers wherein two thin boards are employed and held in position on the papers placed between them by means of my tie-fastener, one end of the package being represented as broken away. Fig. 2 is a similar view, with the exception that the plate portion of the fastener is of a modified form and the file-boards thicker. Fig. 3 is a view of a bundle of letters wrapped and secured by my tie-fastener.

A is a circular disk or plate provided with a stud or post B, having a flat top *b*.

C is a struck-up tongue having a hole *c* through its base.

Near the edge of plate A, at a point opposite the post B, there is provided a hole *a*, through which one end of the cord or string D is passed and then fixedly attached around the base of the tongue C. In attaching this end I pass the cord or string through the hole *c* in tongue C. Said end is made of the looped order in any suitable manner, and the loop is spread and passed over the end of the tongue and then drawn up tightly around its base.

The top of the post B is flattened out to form a head or flat disk *b*, that will serve to prevent the coils of a cord or string, when wound thereupon, from readily slipping off over the same.

In the modified form of the plate A shown in Fig. 2 a rectangular plate in general outline is used and secured at one of its ends to one of the side or file boards E' F'. In this form one end of the cord or string D is fixedly secured directly to the base of the tongue C' without first passing it through a hole, as in the other case, the plate A' being held in its proper relation to the board E' by the manner of securing it thereto, and thus obviating any necessity of adjusting the other end of said tie-plate.

In the operation of applying my tie-fastener, as shown in the principal form, I pass the string around the file of papers or bundle to be tied, drawing it tightly thereupon and bringing and holding the tie-plate firmly against one side. I then quickly wrap the loose end of the cord or string two or three times around the post B and then slip the end under the tongue C, the latter claspings and holding it from unwrapping from around the post B. The strain of the cord tends to hold the tie-plate down tightly against the package and also to draw down the tongue C somewhat against the end of the string drawn thereunder. This drawing down of the tongue results from the tension on the string which passes through the hole *c* in the tongue.

While I prefer the manner of fixedly attaching one end of the cord or string, as above described, I may fasten the same thereto in any convenient manner, as by slip-noosing it around the base of the tongue. In some cases I may secure said end of the string directly to the side of the plate E, as by tying through the hole *a*.



Instead of using the thin boards D and E on the sides of the packages of papers or letters, the fastener may be applied without such means of holding said articles in position, and it may be used as a bag-tie or for other purposes where it is designed to fasten the ends of a rope or twine, string, cord, or tape.

In Fig. 3 I have shown a bundle of letters wrapped around by a string arranged thereon at right angles to itself and then tied by means of the fastener proper.

In tying a bundle of letters and similar articles, &c., it is best to pass the string around once and then around again at right angles, and then secure the free end of the string by means of the fastener. This will be found especially useful and expeditious for mailing-clerks and others engaged in bundling and tying together similar papers, articles, &c., when rapidity of manipulation is greatly desired and may be thereby facilitated.

Having thus fully described my invention, what I claim, and desire to secure in Letters Patent, is—

1. A tie-fastener consisting of a plate A,

having a struck-up tongue C, having a hole *c*, a headed post B near the base of said tongue, and a string passed through said hole *c* and attached to said plate at the base of said tongue, substantially as set forth. 30

2. A tie-fastener consisting of the plate A, provided with the hole *a* and having the struck-up tongue C, provided with the hole *c*, a headed post B near the base of said tongue, and a string passed through said holes *a* and *c* and attached to said plate at the base of said tongue, substantially as set forth. 35

3. A tie-fastener consisting of a plate A, having a struck-up tongue C, a headed post B near the base of said tongue and in the rear thereof, and a string attached at one end to said plate and to be passed around said post and beneath said tongue when wrapped around a package, substantially as set forth. 40 45

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

JOHN A. RILEY.

Witnesses:

CLARENCE C. BAKER,  
WM. MOORE CLAYTON.