E. Coogan,

Chair Tip.

No. 98926. Patented Jan. 18. 1870.

Fig. 1.

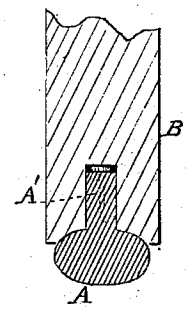
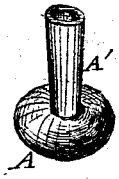


Fig. 2



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EDWARD COOGAN, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 98,926, *dated January* 18, 1870.

IMPROVED CHAIR-TIP.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, EDWARD COOGAN, of the city and county of Washington, in the District of Columbia, have invented a certain Improvement in Elastic or Flexible Chair-Tips; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a vertical central section of my improved chair-tip, and a portion of the leg of a chair.

Figure 2 is a perspective view of the tip, showing its construction.

Corresponding letters refer to corresponding parts in both figures.

Chair-tips, as heretofore constructed, have been found to be objectionable on account of the great difficulty there has been in inserting them into the cavity, and securing them therein. When they have been so constructed as to be capable of ready insertion, it has been found necessary to insert around them some kind of cement for the purpose of securing them in their positions, which operation causes much delay and great difficulty in removing them when it becomes necessary to do so, in order that their places may be supplied with new ones, or that they may be placed in a new or another chair.

The present invention is intended to provide a remedy for the above-enumerated difficulties; and, to this end,

It consists in an elastic or flexible tip for chairs, tables, bedsteads, and other descriptions of furniture, which rest upon legs or posts, consisting of rubber, gutta-percha, or other suitable elastic or flexible material, having upon its lower or outer end a globular or otherwise formed enlargement, upon which it and the article to which it is applied, rest, while that portion which enters the leg or post is in the form of a frustum of an inverted cone, with its apex or smallest portion joined to the globular portion, while its larger portion extends upward or outward for a distance sufficient to enable it to pass into a cavity to be formed in the leg or post, such upwardly or outwardly projecting part being made hollow or tubular for a portion of its length, so that, on inserting it into the cavity, it may be easily compressed to the size of that part which unites it to the enlargement upon its outer end.

A, in the drawings, refers to the enlargement upon the tips, A′ referring to that portion which enters the cavity formed in the leg or post of the furniture. This tip may be made of India rubber, gutta-percha, or other suitable material, and is best when formed as shown in fig. 2 of the drawings, but it may, however, be square or rectangular in its general outline; in either case, that portion which enters the material of which the post or leg is composed, is to be larger upon its upper end, or in that portion which first enters the cavity, and is to be provided with a recess or cavity, which shall extend for some distance into the same, so that, when about to be inserted into the post or leg of any piece of furniture, it may be compressed to the dimensions of that portion which joins the enlargement upon its outer end. This form of construction enables the operator to place the tip in any piece of furniture to which he wishes to apply it, by simply boring a hole for the reception of the shank A′.

The upper or outer end, although the largest, is easily compressed so as to enter the hole, when it may be forced in so as to cause the post to rest upon the enlarged portion, as shown in fig. 1 of the drawings.

When the tip is in place, the tendency of its upper end to enlarge itself to its former dimensions, secures it from being drawn out by use, and retains it in position until it becomes necessary to remove it, when, by the application of the requisite amount of force, in a direct line with the post or leg, it may be easily withdrawn.

B refers to a section of the leg of a chair, the construction necessary to adapt it for the reception of the tip being duly shown.

Having thus fully described my invention,

What I claim, and desire to secure by Letters Patent, is—

1. An elastic or flexible tip for chairs and other kinds of furniture, having a globular lower or outer end, from which projects a shank, A′, in the form of an inverted truncated cone, hollow at its upper end, substantially as and for the purpose specified.

2. In combination with the above, the leg or post B, substantially as and for the purpose specified.

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

EDWARD COOGAN.

Witnesses:

B. EDW. J. EILS,

C. F. CLAUSEN.