Oct. 28, 1924.

1,513,703

G. FRISCH

SPRING INSERTING TOOL

Filed July 6, 1923

Fig. 1

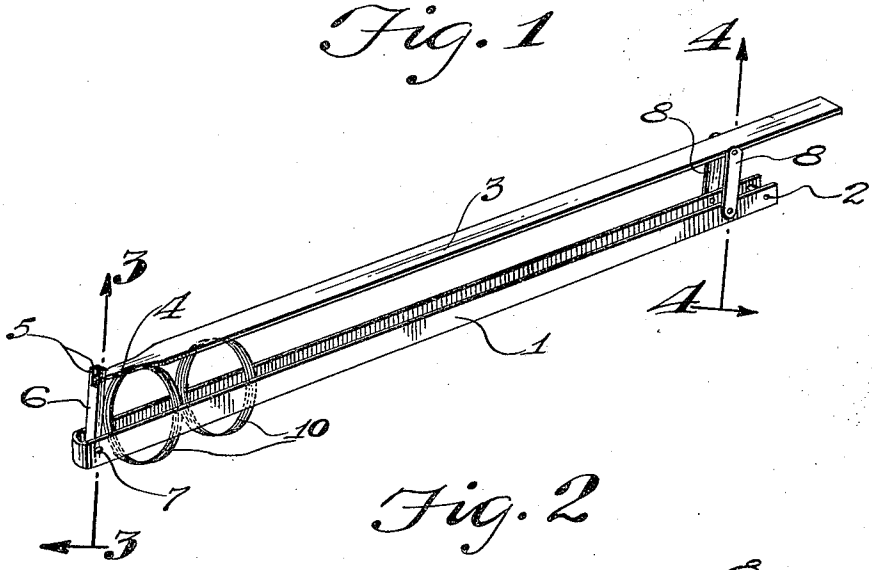


Fig. 2



Fig. 3

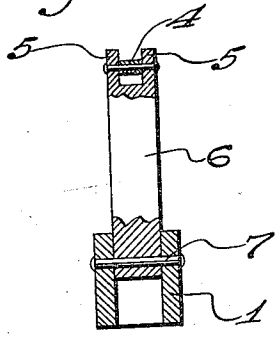
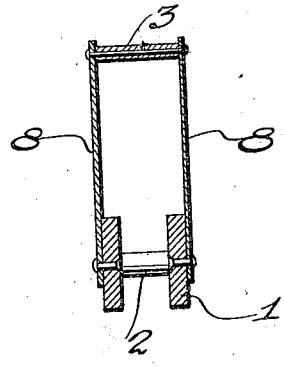


Fig. 4



George Frisch
INVENTOR

BY Victor J. Evans
ATTORNEY

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UNITED STATES PATENT OFFICE.

GEORGE FRISCH, OF CHICAGO, ILLINOIS.

SPRING-INSERTING TOOL.

Application filed July 6, 1923. Serial No. 649,932.

To all whom it may concern:

Be it known that I, GEORGE FRISCH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Spring-Inserting Tools, of which the following is a specification.

This invention relates to a tool particularly designed for placing the springs in upholstery cushions, and more particularly to a tool designed for placing the springs in the improved form of upholstery cushion construction disclosed in my companion application filed July 6, 1923, Serial No. 649,931.

Another object of the invention is to provide a tool as specified which is simple in construction, and may be easily operated for placing a plurality of springs in position within an upholstery cushion, at a time.

Other objects of the invention will appear in the following detailed description taken in connection with the accompanying drawings wherein:—

Fig. 1 is a perspective view of the improved tool showing it in spring carrying position prior to its insertion into the fabric body of an upholstery cushion.

Fig. 2 is a side elevation of the tool showing it in spring ejecting position.

Fig. 3 is a vertical section through the tool taken on the line 3—3 of Fig. 1.

Fig. 4 is a vertical section on the line 4—4 of Fig. 1.

Referring more particularly to the drawings, the improved tool comprises a substantially U-shaped body 1 the ends of the legs of which are connected by means of a connecting pin 2. A spring pushing bar 3 is provided which has its forward end 4 reduced in width and mounted between the arms 5 formed on the upper forked end of the pivoted connector 6. The connector 6 is pivotally connected by means of a rivet or the like 7 to the body 1 adjacent its bight portion. The rear end of the spring pushing bar 3 is pivotally connected by means of links 8 to the legs of the body 1.

In use, the bar 3 is moved into spaced relation from the edge of the body 1, as shown in Fig. 1 of the drawings, and the upholstery springs as shown at 10 are placed between the legs of the body 1 and against the spring pushing bar 3 after which the tool is slipped, in a vertical position into the fabric top of the cushion construction as shown in my companion application above referred to, and the tool is then turned flatwise or on its side after which the bar 3 is moved rearwardly which pivots it upon its connection with the legs 8 and the members 6 and their pivotal connection with the body and moves it against the edge of the body and forces the springs 10 from between the legs and into their respective pockets in the cushion body. It will be noted that the bar 3 is longer than the body 1 so that a finger and thumb grip may be had upon its outer end to permit its manual operation.

It is, of course, to be understood that the invention may be constructed in other manners and the parts associated in different relations and, therefore, I do not desire to be limited in any manner except as set forth in the claims hereunto appended.

Having thus described my invention what I claim is:

1. A spring inserting tool comprising a substantially U-shaped body adapted to receive springs between the legs thereof, and means pivotally connected to the body for forcing the springs from between the legs.

2. A spring inserting tool comprising a substantially U-shaped body adapted to receive springs between the legs thereof, a spring pushing bar, and a plurality of links pivotally connected to the bar and body for permitting the bar to be moved to force the springs from between the legs of the body.

3. A spring inserting tool comprising a U-shaped body adapted to receive springs between its legs, a spring pushing bar having one end reduced, a connecting member pivotally connected to said reduced end and to the body adjacent its bight portion, links pivotally connected to the bar and body adjacent the ends remote from said connecting member, said bar being longer than said body.

4. A spring inserting tool comprising a

supporting member including spaced arms for receiving springs therebetween, a bar having pivotal connection with the arms and adapted to engage the springs whereby to force the same from between the arms.

5. A spring inserting tool comprising spaced supporting arms for receiving springs therebetween, a bar operatively disposed in spaced relation with said arms and adapted to engage said springs and pivotal connection between the bars and arms whereby movement of the bar will force the springs from the arms.

In testimony whereof I affix my signature.

GEORGE FRISCH.