

(No Model.)

J. A. STAPLES.

ATTACHING DEVICE FOR SUPPORTING WIRES OF UPHOLSTERY.

No. 534,844.

Patented Feb. 26, 1895.

Fig. I.

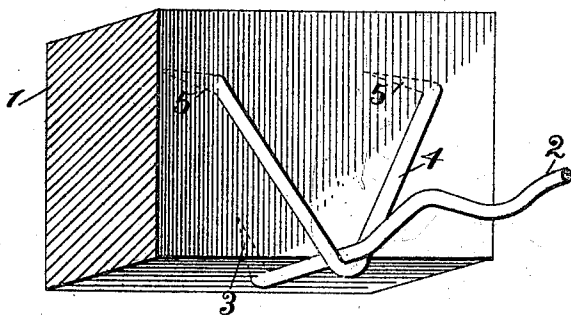


Fig. III.

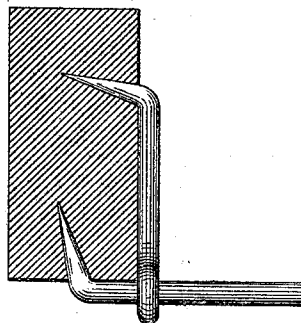
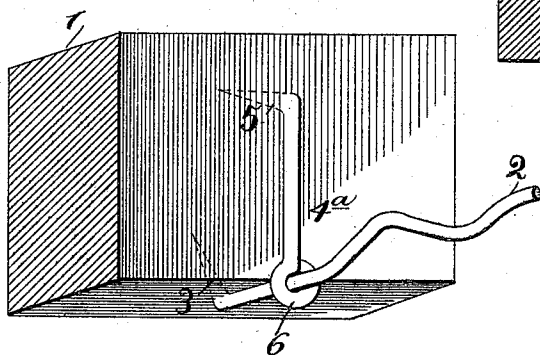


Fig. II.



WITNESSES

George W. Kay, Jr.

M. V. Bidgood

INVENTOR

John A. Staples

Attys.

UNITED STATES PATENT OFFICE.

JOHN A. STAPLES, OF NEWBURG, NEW YORK.

ATTACHING DEVICE FOR SUPPORTING-WIRES OF UPHOLSTERY.

SPECIFICATION forming part of Letters Patent No. 534,844, dated February 26, 1895.

Application filed June 1, 1894. Serial No. 513,130. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. STAPLES, a citizen of the United States, residing at Newburg, county of Orange, State of New York, have
5 invented a new and useful Attaching Device for the Supporting-Wires of Upholstery, of which the following is a specification.

In upholstering, it is customary to provide wires, stretched upon the frame of the chair
10 or sofa to be upholstered, and adapted to support the springs of the seat. A rapid and most convenient method of fastening such wires consists in driving their sharpened and
15 upturned ends directly into the wood frame, and my invention relates to the combining with wire ends so fastened of wire hangers or stirrups having inturned ends, adapted to be
20 driven into the wood. Such stirrups are preferably made in V form so that they can be readily put in place after the wire ends are
fastened and the resultant connection, although very quickly applied is found to be very strong and rigid.

In the accompanying drawings: Figure I is
25 a perspective view of a part of a chair frame and wire attachment illustrating my invention. Fig. II is a similar view showing a modified form thereof. Fig. III is a sectional view
30 illustrating the form of the invention shown in Fig. I.

1 is part of the wood frame of a chair or other piece of furniture to be upholstered.

2 is an end of one of the wires which support the springs. It has an upturned sharpened end 3 to be driven directly into the wood,
35 as shown. Preferably the sharpened end 3 is bent outward slightly so that, when it is driven in it will forcibly tauten and stiffen the wire as well as increase its hold on the seat frame.

40 4 is a V-shaped stirrup or hanger having out-turned sharpened ends 5. In attaching the wires in the ordinary way, with the frame upside down, after the wire-end 3 has been

driven in, the V-shaped stirrup 4 is dropped on and falls naturally onto the wire and with
45 its points in such position that they can be driven readily into the vertical surface of the frame with a blow of the hammer. When the frame is thus upside down, there is generally
50 so little room for working that it would be practically impossible to attach the hanger by nailing or screwing its ends, while the V-shaped hanger, dropping readily to place,
55 seats itself, and may be held by slight pressure of the finger on its apex against the wire, while its ends are being driven in.

The function of the upturned end 3 of wire 2 is limited to the one of resisting endwise strain on wire 2, while downward strain is taken by the stirrup 4. Preferably the sharp-
60 ened ends 5 are slightly bent upward, so that when driven in they will tighten the stirrup against the under side of the wire 2.

The modified form shown in Fig. II has an eye 6 formed at the lower end of a single wire
65 hanger 4^a. The end of the wire 2 is slipped into this eye before it is attached to the seat frame.

When in the claim I refer to the "ends" of the hanger I do not wish to be understood as
70 limiting the claim to a plurality of ends. One (as in Fig. II) or more (as in Fig. I) may be used.

Having thus described my invention, the following is what I claim as new therein and
75 desire to secure by Letters Patent:

The combination of the seat frame, the wire 2 having upturned and slightly out-turned end 3, and wire stirrup or hanger 4 having out-turned and slightly upturned ends 5 and
80 arranged and adapted to operate, substantially as set forth.

JOHN A. STAPLES.

Witnesses:

C. H. HANFORD,
HARRY E. KNIGHT.