

April 10, 1928.

1,665,534

F. P. D'ARCY

BORDER WIRE CONSTRUCTION AND ATTACHING CLIP FOR SAME

Filed May 18, 1925

FIG. 1.

FIG. 2.

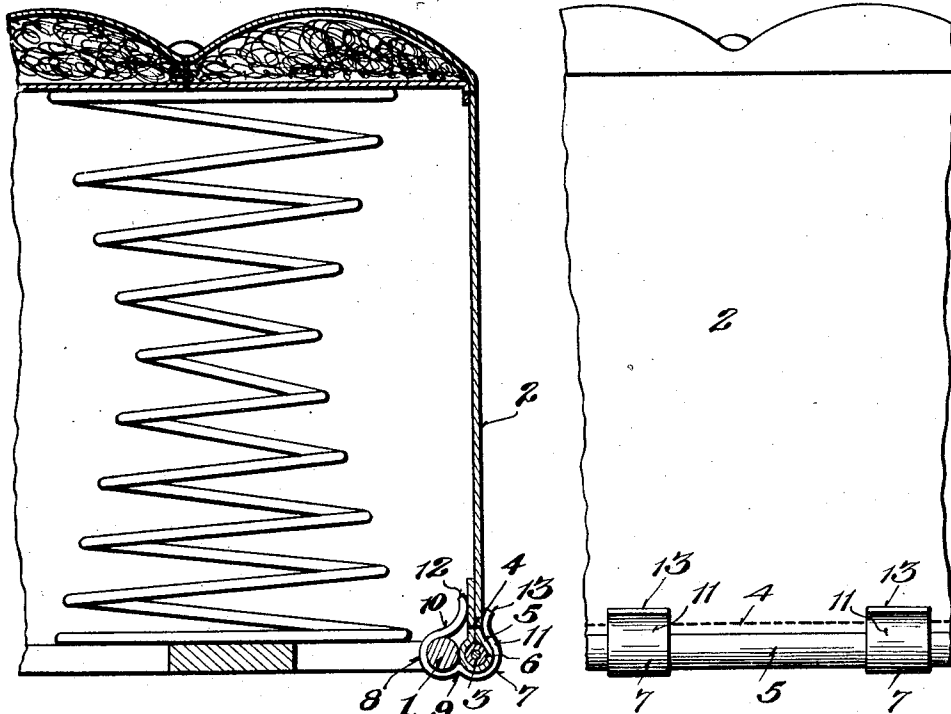
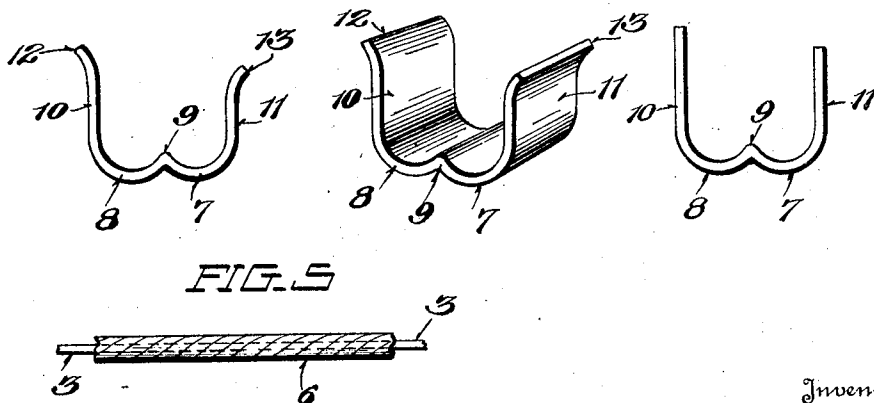


FIG. 3.

FIG. 4.

FIG. 5.



Inventor

Frank P. D'Arcy

By Frank H. Schwartz

Attorney

UNITED STATES PATENT OFFICE.

FRANK P. D'ARCY, OF KALAMAZOO, MICHIGAN.

BORDER-WIRE CONSTRUCTION AND ATTACHING CLIP FOR SAME.

Application filed May 18, 1925. Serial No. 31,015.

This invention relates to means for attaching any kind of cloth, imitation leather, genuine leather, or any other fabric to a border wire or frame used in upholstering spring constructions for chairs, couches, automobile seats, and various other articles for which it is adapted and comprises all improvements over the prior art which are disclosed in this application.

One object is to provide a construction which can be rapidly and firmly secured to the border wire. This is accomplished by sewing a wire in the edge of the leather, to make what is known as a "welt." This welt can be quickly made, and requires but a few clips quickly applied to securely attach it to the border wire. Another object is to provide a special form of clip for this purpose.

The above and other objects which will hereinafter appear, are attained by improvements embodying new and useful features as disclosed in this application.

To enable others skilled in the art to so fully comprehend the essential features of the improvements that they may embody the same by the modifications contemplated by the improvements disclosed in this application, drawings illustrating a preferred form have been annexed as a part of this disclosure.

Fig. 1 is a longitudinal sectional elevation of a cushion illustrating the improved border wire construction.

Fig. 2 is a front elevation of the cushion shown in Fig. 1.

Fig. 3 is an end view of the preferred form of attaching clip.

Fig. 4 is a perspective view of the attaching clip.

Fig. 5 is a side elevation of the welt wire.

Fig. 6 is a modified form of attaching clip.

1 is the border wire of the cushion. Before making up, the leather or fabric 2 is folded over a welt wire 3 and sewed at 4 about the welt wire to form what is known as a welt 5. The welt wire 3 is of a size to have some stiffness but can be readily bent by the fingers. It is also preferably covered with some material. That shown in Fig. 5 has a paper covering 6. The welt 5 is then

placed alongside the border wire 1 and secured thereto by bending metal clips 7 about, and into firm engagement with, both the welt and border wire as shown in Fig. 1.

The preferred form of clip has a base 8 provided with an intermediate ridge 9 to aid in properly locating and securing of the border wire and welt, and two arms 10, 11. The long arm 10 engages the border wire and one side of the welt, and the short arm 11 engages the other side of the welt. The outer ends of the arms are preferably provided with outwardly directed flanges 12, 13 to avoid biting or cutting through the leather or fabric.

In Fig. 6 is illustrated a modification substantially the same as that shown in Fig. 3 except that the ends are not bent outwardly to form flanges.

Without further elaboration, this disclosure will so fully reveal the gist of the improvements that others can, by applying current knowledge, readily vary these improvements without omitting certain features, that, from the standpoint of the prior art, fairly constitute essential characteristics of the generic and specific aspects of these improvements, and therefore such variations are intended to be comprehended within the meaning and range of equivalency of the following claims.

I claim:

1. In combination, a border wire, fabric having a welt paralleling said border wire, and separate clips securing said border wire and welt together at spaced intervals, said welt having a wire therein with a thick soft cover and which is greatly thinner than the border wire and readily bendable by the fingers.

2. In combination, a border wire, fabric having a welt paralleling said border wire and in substantially the same horizontal plane, and in contact, therewith, and separate clips securing said border wire and welt together at spaced intervals, said welt having a wire therein which is greatly thinner than the border wire and readily bendable by the fingers.

3. In combination, a border wire, a fabric having a welt paralleling said border wire

and in substantially the same horizontal plane, and in contact, therewith, and separate clips securing said border wire and welt together at spaced intervals, each clip 5 having a base, and two arms extending in the same general direction away from the base, the base engaging both the border wire and welt, one arm engaging the border wire and one side of the welt, and the other

arm engaging the other side of the welt but 10 not engaging the border wire.

4. The combination set forth in claim 3 in which said other arm is substantially shorter than said one arm.

5. The combination set forth in claim 3 in 15 which the base of each clip has a ridge intermediate the border wire and the welt.

FRANK P. D'ARCY.