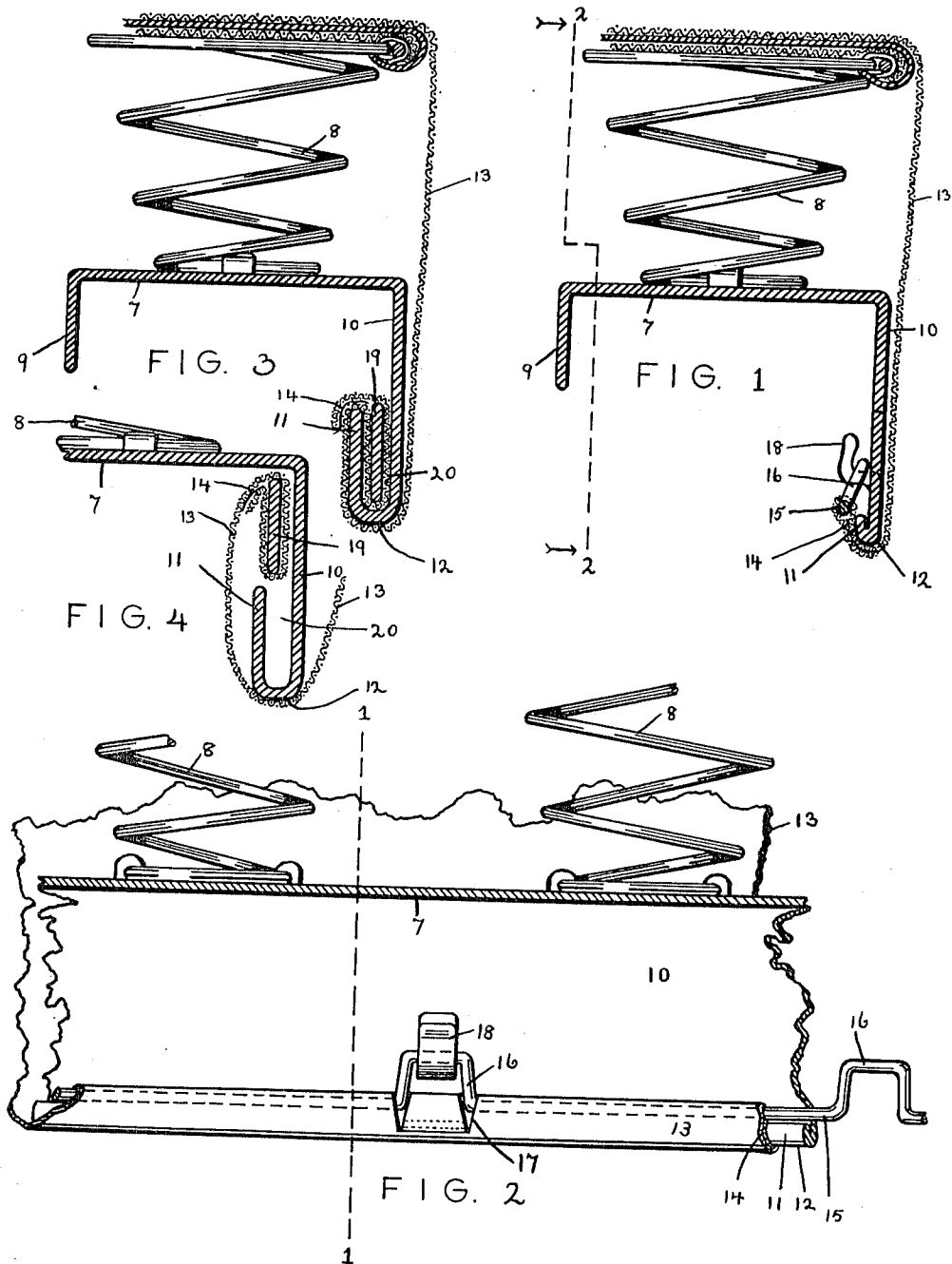


W. S. FOSTER.
DETACHABLE FASTENER FOR UPHOLSTERY.
APPLICATION FILED MAY 19, 1911.

1,020,407.

Patented Mar. 19, 1912.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM S. FOSTER, OF UTICA, NEW YORK, ASSIGNOR TO FOSTER BROTHERS MANUFACTURING CO., A CORPORATION OF NEW YORK.

DETACHABLE FASTENER FOR UPHOLSTERY.

1,020,407.

Specification of Letters Patent.

Patented Mar. 19, 1912.

Application filed May 19, 1911. Serial No. 628,266.

To all whom it may concern:

Be it known that I, WILLIAM S. FOSTER, of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Detachable Fasteners for Upholstery; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the reference-numerals marked thereon, which form part of this specification.

The purpose of my invention is to provide an improved fastening device for detachably securing the ticking or other covering to a bed-spring or other upholstered article.

My device is simple in construction and operation and adapted for use in a great variety of articles. It holds the covering securely in place without damaging or straining the same and cannot become accidentally displaced.

Figure 1 is a perpendicular cross sectional view through the edge of a bedspring which is equipped with one form of my fastening device. Fig. 2 is a perpendicular sectional view of the same taken on line 2—2 of Fig.

Fig. 3 is a perpendicular cross sectional view through the edge of a bedspring which is equipped with a modified form of my device. Fig. 4 is a similar view of the last form just before the parts have been placed in holding position.

Referring to the drawings in a more particular description, there is illustrated the metal side rail or shelf 7 of a bedspring or other spring cushioned article of furniture, which rail extends around each side of the article and ordinarily supports the outer row of coil springs 8. The side rail 7 may be most conveniently formed of sheet metal having on its inner edge a downwardly extending flange 9 and on its outer edge a downwardly extending flange 10 of which the lower portion 11 is turned inwardly and then upwardly forming a smooth rounding lower edge 12 around which the ticking or other material 13 used for upholstering is turned without danger of being cut. On the edge of the ticking 13 there is provided a hem 14, in which is placed the loose member of the fastening device.

In the form shown in Figs. 1 and 2 this

loose member is a stiff wire 15 having a series of loops 16 formed at regular intervals as clearly indicated in Fig. 2, which project in the same direction and out through apertures 17 cut in the hem 14. From the inner side of the side rail 10 and at similar regular intervals project inwardly and upwardly hooks 18 formed integral with the side rail metal in the usual manner by a press punch. The ticking 13 is laid over the top of the article to be upholstered with its edges falling down over the side of the article. By pressing down the springs 8 enough slack is obtained in the ticking 13 to turn the same under and around the edge 12 and to hook the loops 16 over the upwardly projecting hooks 18. Upon releasing the springs they take up the slack in the ticking which is then held snugly over the top and sides of the article and the loops 16 are held in the hooks 18 as clearly shown in Fig. 1. The upper part of the hook 18 may be bent back toward the adjacent metal sufficiently to allow the loop 16 to be passed over it only upon the use of some little force and thus prevent accidental disengagement of the parts when the side of the spring is compressed as in ordinary use.

The modification shown in Figs. 3 and 4, consists in forming the loose fastening member in the hem 14 of a thin and relatively wide strip 19 preferably of sheet metal. The fixed fastening member on the side rail consists of an upwardly opening pocket 20 formed between the downwardly extending flange 10 and the upwardly extending edge thereof 11. The ticking as before passes around beneath the rounding edge 12 and the strip of metal 19 surrounded by the hem 14 of the ticking is slid down into the pocket. The tension of the springs 8 keeps the strip 19 in the pocket 20 and the narrowness of the pocket prevents the strip from turning over therein and so obviously prevents the strip 19 from being removed by the downward pull given to the hem of the ticking.

My fastening may be readily detached by pressing down on the whole series of side springs sufficiently to produce slack in the ticking when the movable member may be removed from the fixed member in an obvious manner. As long as any appreciable number of springs are not compressed the stiffness of the rod or movable member is

sufficient to prevent any of the fastening from being accidentally released. For this reason the fastening will not be released by any ordinary use as in such use not enough of the springs are compressed at the same time to remove the tension upon the covering. The depth of the hem is sufficient to allow either form of loose member to be slipped into it after the hem is made, and in the form, having the loops 16 the apertures 17 are cut into the hem where needed after the looped member is in the hem. The loose members may be readily removed from the hem when it is desired to wash the ticking. It will be understood of course that a mattress will generally be used over the covering 13 as the main purpose of this covering 13 is to protect the mattress from being injured by contact with the springs 8.

What I claim as new and desire to secure by Letters Patent is:

1. A fastening of the class described consisting of a covering under tension and having a downwardly extending edge, a downwardly extending side rail around the lower edge of which said covering is passed, a stiff rod secured to said downwardly extending edge, and means on the inside of said rail and integral therewith for holding said rod by means of said tension and adapted to allow the removal of said rod therefrom upon temporary removal of said tension.

2. A fastening of the class described consisting of a covering under tension and having a hem in its downwardly extended edge, a downwardly extending side rail around the lower edge of which said covering is

passed, a stiff rod in said hem and means on the inside of said rail and integral therewith for holding said rod by means of said tension and adapted to allow removal of the said rod therefrom upon temporary removal of said tension.

3. In a fastening for the covering of an upholstered article the combination of a downwardly extending side rail, a covering under tension extending around the lower edge of said side rail and upwardly on the inner side thereof, a stiff rod removably secured to the edge of said covering and means on the inside of said side rail and integral therewith for holding said rod by means of said tension and adapted to allow removal of said rod therefrom upon temporary removal of said tension.

4. In a fastening for the covering of an upholstered article, the combination of a downwardly extending side rail, a covering under tension extending around the lower edge of the said side rail and upwardly on the inner side thereof and having on its edge a hem, a stiff rod in said hem removably endwise therefrom and means on the inside of said side rail and integral therewith for holding said rod by means of said tension and adapted to allow removal of the said rod therefrom upon temporary removal of the said tension.

In witness whereof I have affixed my signature, in the presence of two witnesses, this 13 day of May 1911.

WILLIAM S. FOSTER.

Witnesses:

HARRIET WILLIAMS,
JAMES H. MERWIN.