(No Model.)

N. W. GREEN.

TAG FASTENER.

No. 543,478. Patented July 30, 1895.

Fig. 1

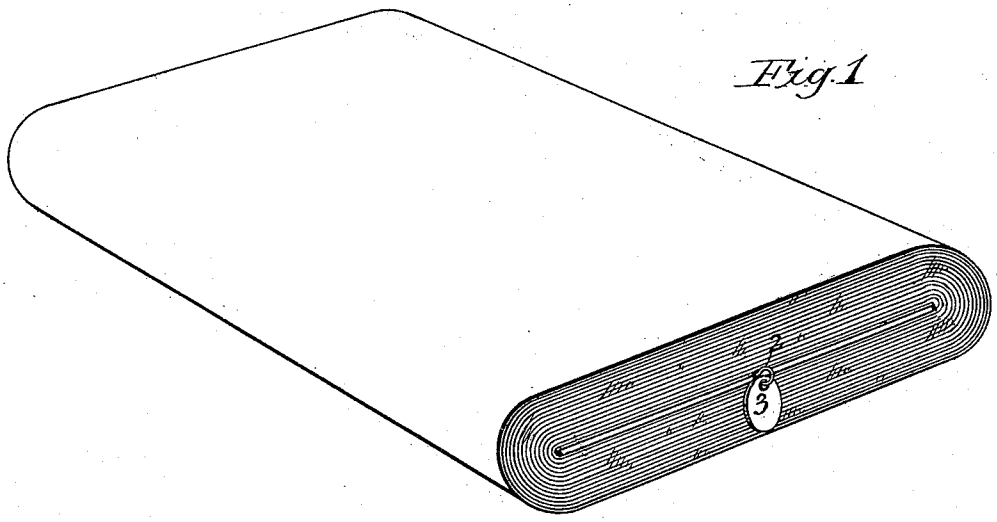


Fig. 2

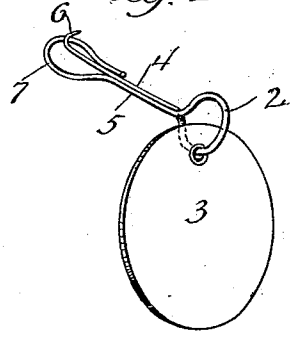


Fig. 3

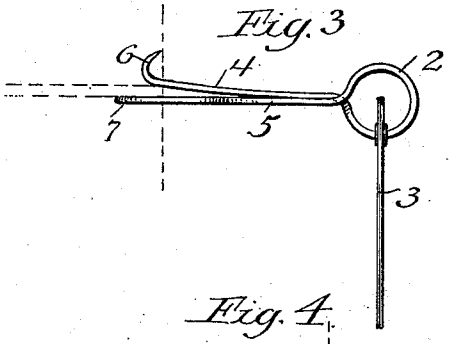


Fig. 4.

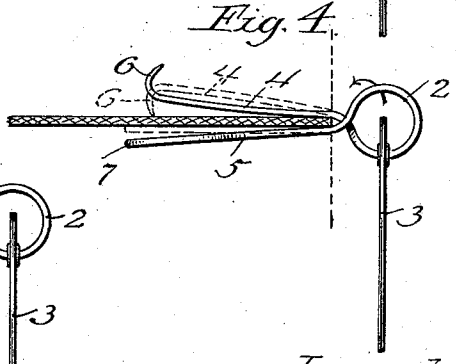
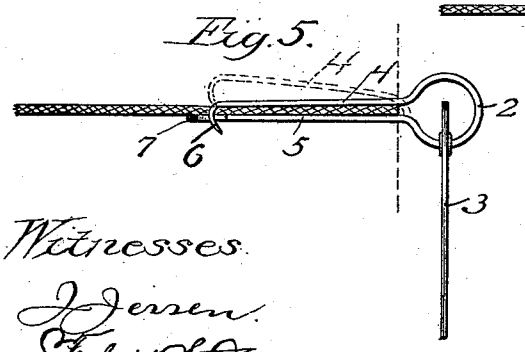


Fig. 5.



Witnesses.

J. Jensen.

Frederick S. Lyon

Inventor:

Nathaniel W. Green.

By Paul & Hawley

his attys.

UNITED STATES PATENT OFFICE.

NATHANIEL WYMAN GREEN, OF ALBERT LEA, MINNESOTA, ASSIGNOR OF ONE-HALF TO FRANK M. CRANE, OF SAME PLACE.

TAG-FASTENER.

SPECIFICATION forming part of Letters Patent No. 543,478, dated July 30, 1895.

Application filed October 19, 1894. Serial No. 526,366. (No model.)

To all whom it may concern:

Be it known that I, NATHANIEL WYMAN GREEN, of Albert Lea, in the county of Freeborn and State of Minnesota, have invented certain new and useful Improvements in Tag-Fasteners, of which the following is a specification.

My invention relates to means for fastening tags upon pieces, bolts, or bales of cloth or like thin material; and the object which I have in view is to provide a simple, cheap, neat, and reliable fastening and one which may be applied both quickly and firmly to the goods.

My invention consists in a wire fastener, a single piece of wire being formed into several loops and a hook, one of the loops and the hook being adapted to engage opposite sides of the cloth and to be so placed and secured by the turning of the outer end or loop after the first placing of the edge of the piece of material between the two parts, all as hereinafter described, and particularly pointed out in the claims.

The invention will be more readily understood by reference to the accompanying drawings, forming a part of this specification, in which—

Figure 1 shows a bolt of cloth and one of my tags applied thereto. Fig. 2 is a perspective view of the tag and fastener. Fig. 3 is a side or edge view of the same, showing the normal positions of the parts. Fig. 4 shows the positions of the parts when the edge of the cloth is first taken in. Fig. 5 shows the final fast position of the fastener.

As shown in the drawings, the fastener is made up of a single piece of wire bent into form and comprising the outer eye or loop 2, wherein the paper tag 3 is secured, and the two straight portions 4 and 5, the first terminating in a sharp and backwardly-turned hook or point 6 and the second in a larger hook or open loop 7, which is formed in a plane at right angles to the hook 6 and substantially so to that of the eye 2. It will be noted that the straight parts 4 and 5 practically cross one another at the inner end of the eye 2, so as to prevent the tag 3 from slipping out; and it will be further noted that the hook 6 and part 4 normally extend up through the loop 7, so that sufficient space is left between the back of the hook and the back of the loop 7 to receive the edge of a piece of cloth or other fabric. This permits the fasteners to be pushed onto the edge readily, and as the point of the hook 6 is turned backwardly the fastener may be pushed in between several folds of cloth without the hook catching thereon.

The fastener is forced in until the edge of the cloth is close to the eye, and then the eye is grasped and given a half turn, the hook reversing its position, with its point against the piece of cloth, which the natural spring of the device causes it to pierce.

It will be observed that the spreading of the two parts of the fastener serves to increase rather than decrease the clamping-tension thereof upon the cloth when the fastener is turned and secured, as shown in Fig. 5. Thus but two movements are required to secure the fastener—one to force the same between the folds of cloth and over one of them and the other to turn the eye. No pressure of the fingers upon the small wire is required.

A further advantage lies in the fact that the fastener may be pushed clear into the bolt of cloth and that the eye stands upon and down thereon, so that the tag hangs close to the end of the roll or bolt and presents a neat appearance.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A tag fastener, comprising an outer end or handle part, and wire parts extending therefrom, one of said parts provided with an open loop and the other with a point or hook normally within the loop, the back of said hook being adapted to be turned after the insertion of a piece of material between the hook and the loop to reverse the hook and project the same into the material, substantially as described.

2. As a new article of manufacture, the herein described tag fastener, consisting of an outer end or loop and extending parts, said extending parts being provided with a hook and a loop respectively, the back of the hook being normally presented toward said loop, and said outer end or eye adapted to turn after the insertion of a piece of material between

the hook and the loop to reverse the hook, as described.

3. In a tag fastener, the combination, with the outer end, loop or eye 2, of the tag secured therein, the extensions 4 and 5 crossing one another at the inner side of the eye 2 and the hook and open loop upon said parts 4 and 5, respectively, substantially as described.

4. The tag fastener, composed of a bent wire and comprising the outer eye and straight parts 4 and 5, provided with the hook and loop respectively, said hook and loop being in planes substantially at right angles to one another, the back of said hook being normally presented to the open loop, and said eye adapted to turn after the insertion of a piece of material between the hook and loop portions and to reverse the hook, substantially as described.

In testimony whereof I have hereunto set my hand this 10th day of October, A. D. 1894.

NATHANIEL WYMAN GREEN.

In presence of—
C. B. KELLAR,
BEN. FRYSLIE.