

S. P. HORNSETH.

CLOTHES PIN.

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1,020,203.

Patented Mar. 12, 1912.

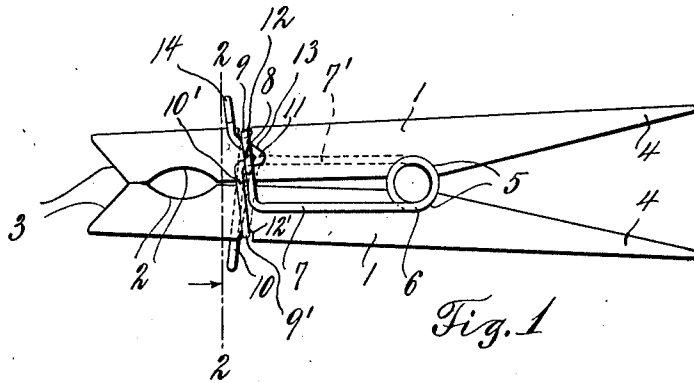


Fig. 1

Fig. 2

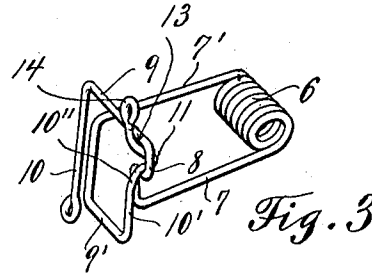
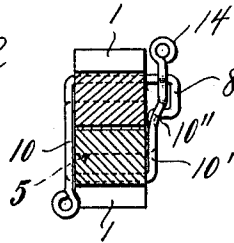


Fig. 3

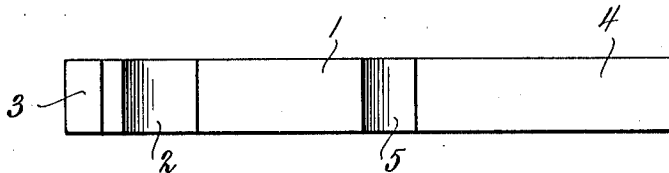


Fig. 4

WITNESSES:

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UNITED STATES PATENT OFFICE.

SEVRIN P. HORNSETH, OF RENVILLE, MINNESOTA.

CLOTHES-PIN.

1,020,203.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SEVRIN P. HORNSETH, a subject of the King of Norway, residing at Renville, in the county of Renville and State of Minnesota, have invented certain new and useful Improvements in Clothes-Pins, of which the following is a specification.

This invention primarily resides in the provision of a clothes pin which will automatically lock the jaws thereof together when the same are closed upon an object. Oftentimes the ordinary clothes pins lose their grip upon the articles they support and especially when the latter are disturbed by wind or accidentally displaced.

With the above and other objects in view, this invention consists in the combination, construction, and arrangement of parts, all as hereinafter more fully described, claimed, and illustrated in the accompanying drawings, wherein—

Figure 1 is a side elevation of the present invention; Fig. 2 is a vertical cross section taken on line 2—2 of Fig. 1; Fig. 3 is a perspective view of the spring means used with the clothes pin illustrating the present invention formed thereon; and Fig. 4 is a view of one of the jaws used in the present invention.

Throughout the following detail description and on the several figures of the drawings, similar parts are referred to by like reference characters.

In carrying out the present invention, the usual type of spring actuated clothes pins is used which comprises the jaws 1 having their forward extremities inclined inwardly, as at 3, to facilitate the applying of the clothes pin to the support, while their opposite terminals are shaped in the usual way as at 4, to permit opening of the jaws. The inner face of each jaw member 1 is provided with a recess 2 adjacent to the inclined terminal 3 and a second recess 5, which latter forms a seat for the coiled spring member 6.

The terminals 7 and 7' of the coiled springs 6 are extended forwardly on opposite sides of the clothes pin proper a short distance and are then bent at approximately right angles, the portion 7 having formed an eye or loop 8, and from thence the terminal is extended, as at 9, through the groove 12, terminating on the opposite side of the

clothes pin below the same, as at 10. The other terminal 7' is bent at approximately right angles and in an opposite direction to which the terminal 7 is bent, and is extended, as at 9', through the groove 12'. The terminal is extended upwardly on the opposite side of the clothes pin, as at 10', and is bent again at 10'', the remaining portion of the terminal being bent upon itself to form a projection or catch 11 adapted to engage in the eye or loop 8. For facilitating the operation of the clothes pin, the portion bent upon itself is so positioned as to present an inclined face 13 whereby the two jaws may be automatically locked, as will be obvious.

From the foregoing, it will be noticed that when it is desired to clamp any clothes to a support, the terminals 4 may be grasped by the hand and the terminal 14 operated by the thumb, whereby the catch 11 is released from engagement with the eye 8. The terminal 14 may then be released and, upon releasing the terminals 4 to secure the clothes to the support, the eye or loop 8 will strike the inclined face 13 of the catch 11 to cause the latter to engage in said eye automatically.

By constructing the clothes pin in accordance with the present invention, the supported articles will be free from accidental dislodgment. The extremities 10 and 10' being extended on the opposite sides of the body of the clothes pin form guides for the jaws when the latter are operated.

Having thus fully described my invention, what is claimed as new is:

As an article of manufacture, a clothes pin comprising a pair of jaws, and spring means interposed between said jaws for operating the latter, said spring means having its terminal portions each engaging about a respective jaw, one terminal portion of said spring being provided with an eye, the other terminal portion being provided with a catch adapted for engagement in the eye of said first named terminal portion of said spring.

In testimony whereof I affix my signature in presence of two witnesses.

SEVRIN P. HORNSETH.

Witnesses:

S. M. SERKLAND,
WILLIAM R. BAADE.