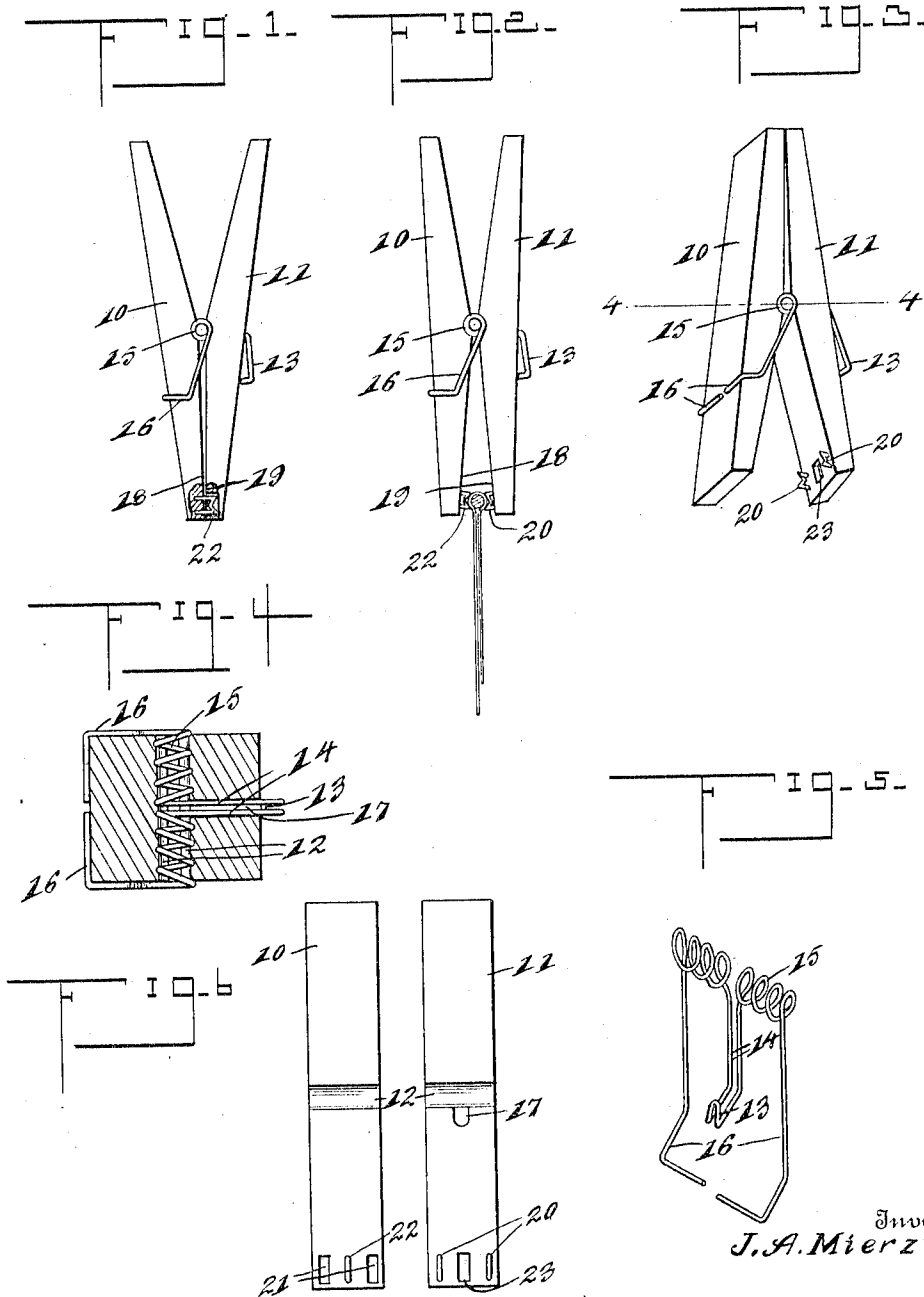


J. A. MIERZWIK.
CLOTHES PIN.
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1,081,852.

Patented Dec. 16, 1913.



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CLOTHES-PIN.

1,081,852.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN A. MIERZWIK, a citizen of the United States, residing at Roscoe, in the county of Nolan, State of Texas, have invented certain new and useful Improvements in Clothes-Pins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to clothes pins and has for an object to provide a clothes pin having the jaws provided on their gripping faces with novel projections which co-act in securely holding the clothes pin fast to operative position when applied.

A further object of the invention is to provide a clothes pin having novel tension means for normally holding the jaws closed.

With the above objects in view the invention consists of certain novel details of construction and combination of parts hereinafter fully described and claimed, it being understood that various modifications may be made in the minor details of construction within the scope of the appended claim.

In the accompanying drawing forming part of this specification:—Figure 1 is a side elevation of the clothes pin with the jaws closed and with portions broken away to expose the projections. Fig. 2 is a side elevation of the clothes pin applied. Fig. 3 is a perspective view of the clothes pin with the jaws open. Fig. 4 is a cross sectional view taken on the line 4—4 Fig. 3. Fig. 5 is a detail perspective view of the spring. Fig. 6 is a detail view showing the inner faces of both jaws.

Referring now to the drawing in which like characters of reference designate similar parts, the clothes pin is shown to comprise a pair of jaws 10 and 11 each of which is substantially rectangular in cross section. Each jaw is of greater thickness at the center than at the ends and the inner face slopes from the ends toward a common apex at the center. Formed in the apex is a transverse half round recess 12, the recesses of both jaws coöperating in forming a cylindrical opening for the reception of the spring.

As most clearly shown in Fig. 5 the

spring is formed of a single length of resilient wire bent to form a loop 13 the parallel legs 14 of which are formed with laterally directed alined spring convolutions 15 and then are terminally bent to form opposing right-angular hooks 16. Finally the legs 14 and hooks 16 are bent bodily toward each other and the bight of the loop 13 is bent abruptly toward said convolutions.

In mounting the spring, the convolutions 15 are disposed in the half round recesses 12 of the jaws with the rightangular hooks 16 extending along the sides of the jaw 10 and terminally engaged over the outer face of the jaw. The legs 14 are engaged side by side through an opening 17 formed in the jaw 11, and the bight of the loop 13 bears against the outer face of the jaw 11. The bight of the loop and the rightangular hooks are urged toward each other by the spring convolutions 15 and normally hold the inner faces of the working ends 18 and 19 of both jaws in intimate contact.

To enable the jaws to grip and clamp a garment to a clothes line without danger of slipping, a pair of substantially M-shaped wire members 20 are disposed on the working face of the jaw 11, these members being adapted to seat in recesses 21 formed in the jaw 10 when the jaws are closed. A substantially M-shaped wire member 22 is disposed on the working face of the jaw 10 and is adapted to seat in a recess 23 formed in the working face of the jaw 11 between the wire members thereof when the jaws are closed. The clothes line with attached garment is passed between the central depressions of the M-shaped members of both jaws, and when the jaws are closed these M-shaped members may be said to embrace the clothes line with attached garment, as shown in Fig. 2, and positively prevent escape of the clothes pin from applied position.

What is claimed is:—

A clothes pin comprising a pair of jaws having confronting transverse half round recesses in the opposing faces coöperating in forming a cylindrical opening, and a tension device comprising alined spring convolutions seated in said opening, a loop connecting the inner ends of said convolutions and passed through one of said jaws thence

terminally bent and engaging the outer face
of said jaw, and opposing rightangular
hooks forming the terminals of said con-
volutions and engaged along the outer sides
5 and outer face of the other of said jaws,
said convolutions urging said loop and said
hooks toward each other whereby to nor-
mally hold said jaws closed.

In testimony whereof, I affix my signa-
ture, in the presence of two witnesses.

JOHN A. MIERZWIK.

Witnesses:

V. H. FLEMELFER,

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."