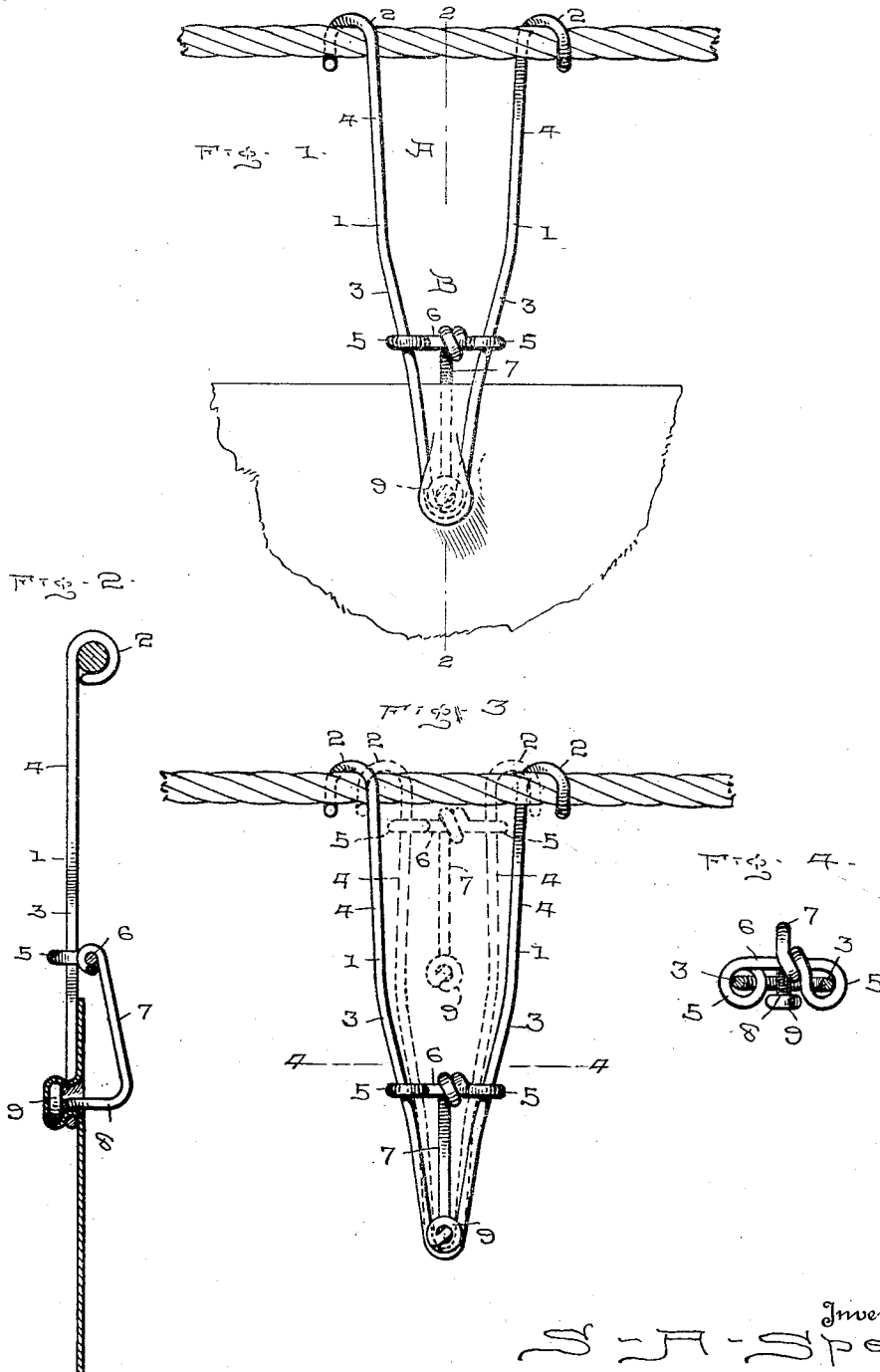


S. A. SPEAS.
CLOTHES PIN.
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1,246,485.

Patented Nov. 13, 1917.



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UNITED STATES PATENT OFFICE.

SAMUEL A. SPEAS, OF PARSONS, KANSAS.

CLOTHES-PIN.

1,246,485.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SAMUEL A. SPEAS, a citizen of the United States, residing at Parsons, in the county of Labette and State of Kansas, 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 its object to provide a novel construction of device of this character which will not slip upon the clothes line and which in cold weather will not permit of the clothes becoming frozen between the line and the clothes pin as is usual with the ordinary construction of clothes pins now in use.

Another object of the invention is the provision of a clothes pin by which the clothes may be attached to it and the clothes pin subsequently attached to the clothes line.

A further object of the invention is the provision of a clothes pin of the above stated character which embodies a pair of resilient arms that are formed with oppositely disposed hooks that are designed to lockingly engage the clothes line to prevent the device from slipping.

A still further object of the invention is the provision of a clothes pin embodying a substantially V shaped support which includes resilient diverging arms upon which is mounted a slide that is provided with a tongue having a head on its lower end adapted to lockingly engage in the crotch of said support to fasten and retain the clothes therein, said diverging arms serving to hold and retain the slide in locked position.

With these and other objects in view as will appear as the description proceeds, the invention comprises the various novel features of construction, combination and arrangement of parts, as will be more fully described hereinafter and set forth with particularity in the appended claim.

Referring to the drawings,

Figure 1 is a front elevation of my improved clothes pin attached to a clothes line and showing the manner of supporting a piece of clothes.

Fig. 2 is a vertical sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a front elevation of the clothes pin attached to a clothes line with the clothes

removed, the device being shown in an inoperative position by dotted lines, and

Fig. 4 is a horizontal sectional view on the line 4—4 of Fig. 3.

Similar characters of reference are used to denote like parts throughout the accompanying drawings and the following description.

Referring more particularly to the drawings, the letter A represents a substantially V shaped support which is shown to consist of angular diverging resilient arms 1, the upper free ends of which are formed with oppositely disposed hooks 2. As shown each of these hooks is so formed that they will extend up over and around the clothes line and then down and underneath the line so as to form an effective grip therewith in order to prevent the support from slipping upon the line. Each of the lower portions 3 of the resilient arms 1 diverge slightly more than the upper sections 4 thereof for a purpose which will presently appear.

A slide B formed from a single piece of wire is mounted upon the resilient arms 1 and is shown to consist of loops 5 which are connected by a cross piece 6 forming an integral part of the loops and designed to hold them in spaced relation and in alignment with one another. Each of these loops 5 surrounds the spring arms 1 and are slidably mounted thereon. The terminal end of the wire forming one of the loops 5 is looped or wrapped around the cross piece 6 and then extends downwardly and outwardly between the loops 5 as at 7 and is provided at its lower end with a right angular extension 8 that projects through the crotch of the V shaped support and is coiled to provide a head 9.

In order to attach the clothes pin to the line, it is only necessary to grasp the V shaped support and engage the left hand hooks 2, we will say for the purpose of illustration, over and under the clothes line, after which the right hand hook is moved downward and upon the opposite side of the line so that the right hand hook 2 may be moved over and down and under the line to effectively clamp and retain the support upon the wire. By arranging and forming these hooks in this particular manner it will be apparent that it will be impossible for the clothes pin to slip or slide upon the line under any conditions.

When it is desired to attach a piece of

clothes to the clothes pin, it is simply necessary to move the slide B upward upon the resilient arms of the support into the dotted line position shown in Fig. 3, whereupon a portion of the clothes may be inserted between the arms of the V shaped support after which the slide may be moved downwardly so that the head 9 thereof will force the clothes through and down into the crotch of the V shaped support into clamping position. When the slide has been moved down into a locked position, as shown in Fig. 1, of the drawings it will be apparent that the diverging sections 3 of the arms 1 will prevent the slide from accidentally moving upwardly which would disengage the piece of the clothes from the clothes pin, by reason of the fact that the upper free ends of the diverging sections 4 of the arms 1 are rigidly clamped to the line. It is to be understood that when the slide is moved upwardly, by manual force, that in order to do so the resilient arms 1 are moved toward each other which in turn will take up a certain amount of the slack that is usual in the clothes line, but which will assume its normal position after the clothes have been clamped in the crotch of the support of the clothes pin.

However, if desired, the clothes may be first attached in the crotch of the V shaped support by the slide, and the upper ends of the resilient arms 1 then hooked over and

attached to the line so as to securely and effectively hold the clothes pin in position upon the wire. The diverging sections 3 of the arms 1 when in this position will effectively hold and retain the slide in locked position against accidental vertical movement which would disengage the clothes from the clothes pin.

From the foregoing description it will be apparent that I have provided a device which is of simple construction and of durable and substantial design and which may be readily and quickly manipulated to clamp the clothes in position upon the clothes line.

What I claim is:

A clothes pin comprising a substantially V shaped support embodying resilient diverging arms, oppositely curved hooks formed on the upper free ends of said arms and designed to be lockingly and removably engaged over and under the opposite sides of a clothes line, and a slide mounted upon the support to cooperate therewith to clamp a piece of clothes therebetween.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL A. SPEAS.

Witnesses:

J. H. KENT,
P. J. ERMEY.