

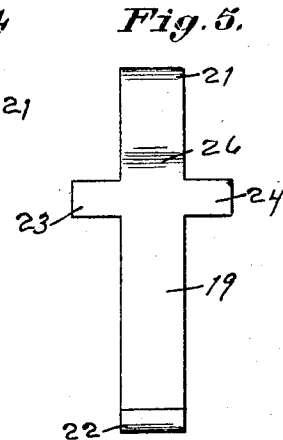
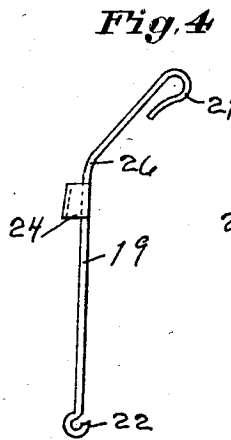
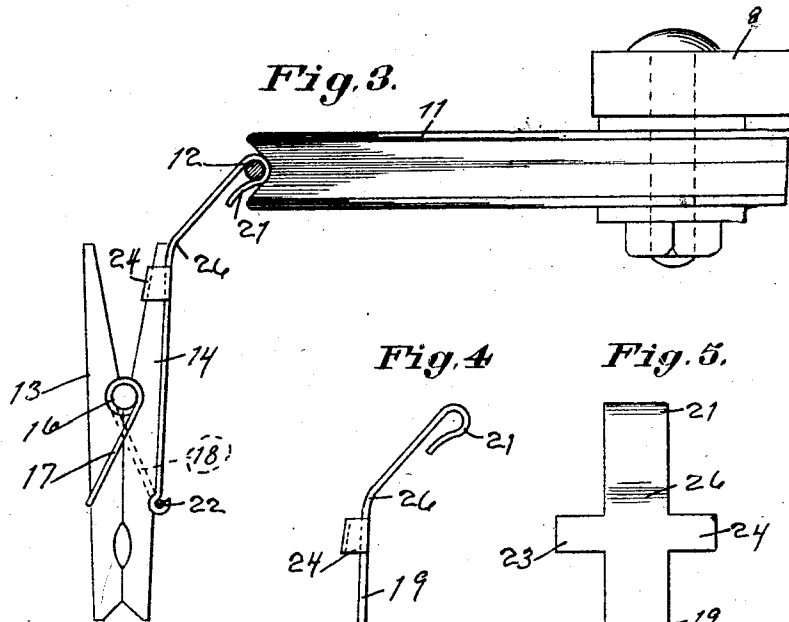
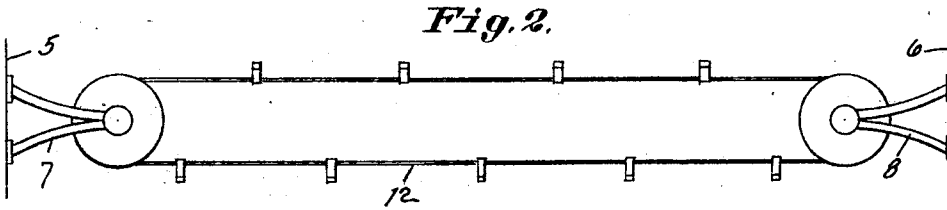
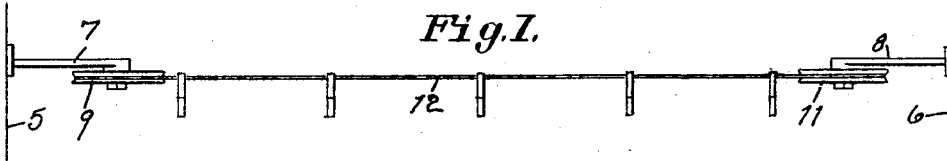
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F. W. POTTER

CLOTHESPIN

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Inventor.
F. W. POTTER

By Victor J. Evans
attorney.

UNITED STATES PATENT OFFICE.

FRANK W. POTTER, OF OAKLAND, CALIFORNIA.

CLOTHESPIN.

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This invention relates to improvements in clothes pins and has particular reference to a clothes pin adapted to be attached to a clothes-line in such a manner as to remain there after the clothes have been detached therefrom.

The principal object of this invention is to provide means whereby both strands of a pulley line may be utilized.

Another object is to produce an attachment for a clothes-line which may be readily secured to the ordinary spring clothes pin without altering its construction.

An additional object of this invention is to produce a device of this character which is cheap to manufacture and, therefore, one which may be sold at a reasonable cost.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a side elevation of a clothes-line having my clothes pins attached thereto,

Figure 2 is a top plan view of Figure 1,

Figure 3 is an enlarged detail view showing one of the pulley wheels of the clothes-line and the position my pin will assume in passing around the pulley,

Figure 4 is a side elevation of my improved clip, and

Figure 5 is a plan view of my clip previous to bending the pin-engaging arms.

It has been common to employ pulley lines wherein the pulleys were mounted vertically, wherein the lower line travelled in one direction and the upper line travelled in the opposite direction. By positioning the pulleys in a horizontal position, I have made it possible to utilize both portions of the line and by employing my improved clothes-pin clip I have eliminated the necessity of each time removing the pins from the line as is now common practice.

In the accompanying drawings wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numerals 5 and 6 designate suitable supports to which brackets 7 and 8, respectively are connected. These brackets each carry a pulley wheel as designated at 9 and 11, respectively.

Reeved over these pulley wheels is a line

12, which line may be of the customary woven line or a taut wire in accordance with the users' wishes.

Referring now to Figure 3, at 13 I have shown the ordinary members forming a clothes pin which are normally held together by a spring element 16 having arms 17 and 18 which bear against the outer surface of the members 13 and 14. The pin just described is of the usual construction and is one with which the public is familiar.

To this pin I attach a clip comprising a blank 19 having hooked extremities 21 and 22. The hooked extremity 21 is bent upon a curve sufficient to permit the engagement of the clothes-line 12 as is best illustrated in Figure 3. The hooked extremity 22 is formed upon an arc sufficient to engage the end of the arm 18 of the spring element.

This blank 19 is provided with engaging arms 23 and 24 which are adapted to be bent about the element 14, as illustrated in Figure 4. It will also be noted, by viewing Figures 3 and 4 that the blank is bent at a point adjacent the engaging arms 23 and 24 as designated at 26.

It will thus be seen that by securing one of my clips to each clothes pin as illustrated in Figure 3 and then engaging the hooked end 21 over the clothes-line 12, that the pin will be suspended from the clothes-line but offset in such a manner that the clip will ride in the groove of the pulley without danger of disengaging the rope from the pulley. It is then only necessary to pinch the pin in the customary manner and to engage the clothes to be held between the ends of the pin.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:—

1. In a device of the character described, the combination with a clothes pin of the spring type, a blank adapted to have its extremities bent, one of said extremities engaging a portion of the spring element of said pin, and a pair of arms disposed at right angles to the major portion of said

blank, said arms being adapted to engage said pin at a point remote from the engagement of said blank with said spring element.

2. In a device of the character described,
5 the combination with a clothes pin comprising two members pivotally secured to each other and provided with a spring element having arms engaging the outer surfaces of said pin, of a clip adapted to be
10 attached to said pin, said clip comprising a blank, bent at one end to engage a portion of said spring element, a pair of arms

formed integral with said blank and adapted to be bent so as to engage said pin at a point remote from the engagement of said
15 blank with said spring element, said blank having a bend formed therein for the purpose of offsetting a portion of said blank, and a bend of larger diameter than said first mentioned bend formed at the opposite
20 end of said blank from said first mentioned bend.

In testimony whereof I affix my signature.
FRANK W. POTTER.