Jan. 3, 1928.

1,654,756

B. R. RYAN

FASTENING ELEMENT

Filed Sept. 11, 1925

Fig. 1.

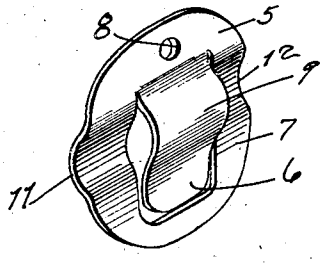


Fig. 2.

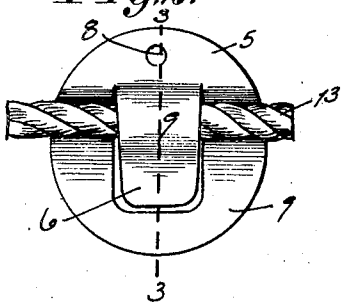


Fig. 3.

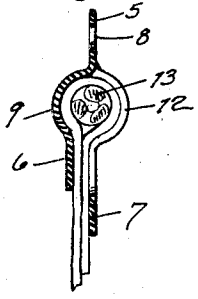


Fig. 4.

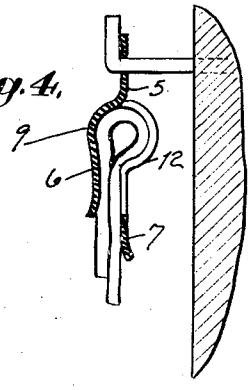
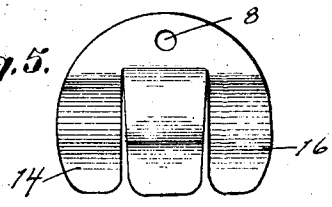


Fig. 5.



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UNITED STATES PATENT OFFICE.

BERNARD RUPERT RYAN, OF SYDNEY, AUSTRALIA.

FASTENING ELEMENT.

Application filed September 11, 1925. Serial No. 55,820.

This invention relates to improvements in fastening elements, and has particular reference to a clothes pin adapted to be used in retaining clothes on a line.

The principal object of this invention is to produce a device of this character which includes a metal member having a flexible tongue so struck as to be capable of a limited spring action.

Another object of this invention is to produce a clothes pin which will be cheap to manufacture, simple in use, and one which will take up a minimum amount of space when stored.

A further object is to produce a device of this character which cannot become easily broken in counter-distinction to the customary wooden clothes pin which breaks readily.

A still further object is to produce a clothes pin which will not in any manner damage the clothes being held thereby.

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 perspective view of my improved clothes pin,

Figure 2 is a front elevation of the same, showing the pin upon a clothes line,

Figure 3 is a cross-section taken on the line 3—3 of Figure 2,

Figure 4 is a view similar to Figure 3 showing the device hung upon a wall hook and not employing a clothes line, and

Figure 5 discloses a modified form of my invention.

In the hanging of clothes, it is essential that the devices have sufficient gripping action to hold the clothes against accidental removal as often occurs in a strong wind. It is also essential that the clothes pin have a considerable surface as often the hands are wet due to the handling of the clothes, which makes small pins hard to handle.

Further clothes pins should be compact so that they will take up a minimum amount of space in handling and storing, and at the same time, retain the large amount of surface above referred to.

I have devised a clothes pin which accomplishes all the objects above referred to, and in the accompanying drawings, Figure 1, the numeral 5 designates a blank preferably of metal from which blank a tongue 6 is struck. Striking the tongue from this blank 5 leaves a substantially U-shaped portion 7 surrounding the tongue 6.

In the blank 5 I also punch an opening 8 the purpose of which will be later seen. In the tongue 6 I form a bend 9, while in the U-shaped portion 7 I form bends 11 and 12.

This construction permits a clothes line to be passed beneath the tongue 6 so as to lie in the bend portions 9, 11 and 12, as best shown in Fiures 2 and 3.

In employing my device the clothes to be hung are placed over the clothes line designated at 13, after which one of my clothes pins is placed over the whole so as to hold the clothes to the line as best shown in Figure 3.

As there are no sharp corners in my device, the clothes being held will not be damaged in any way. Further the large amount of surface will serve to securely hold the clothes and at the same time this same surface permits sufficient gripping surface for the purpose of applying or removing the pin.

In Figure 4, I have illustrated the use of the pin in hanging an object upon a hook. It is at this time that the opening 8 is employed. The common type of clothes pin now upon the market, does not permit the hanging of clothes from a wall hook in this manner.

In the modified form shown in Figure 5, the construction is identical with the exception that the U-shaped portion 7 of Figure 1 has been eliminated and two arms as shown at 14 and 16 will take its place.

The manner of employing this modified form is the same as that above described.

It is to be understood that the forms of my invention herewith shown and described are to be taken as preferred examples of the same and that various changes in the shape, size and arrangement of parts may be re-

sorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:—

In a clothes pin, a blank having a tongue struck therefrom, said tongue having a bend formed therein, the remainder of said blank having a bend formed therein and in an opposite direction from the first mentioned bend, and at a point diametrically opposite the bend formed in said tongue, so as to engage a line passing between said blank and said tongue.

In testimony whereof I affix my signature.

BERNARD RUPERT RYAN.