

R. W. HARDIE.
SCARF PIN GUARD.
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1,015,266.

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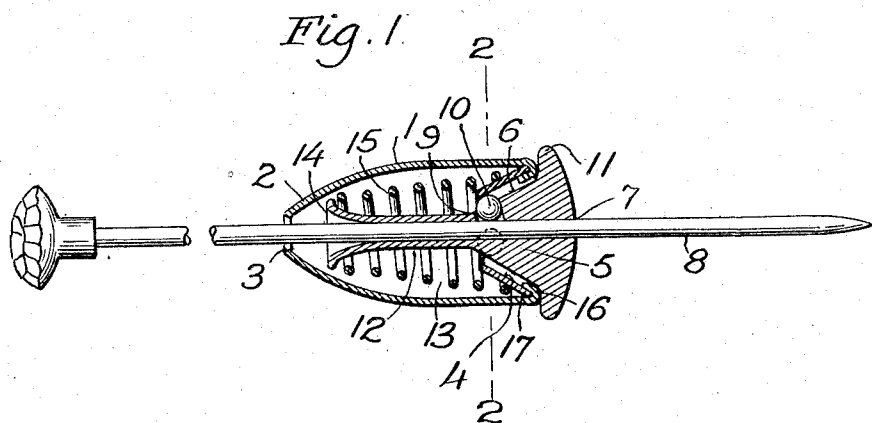
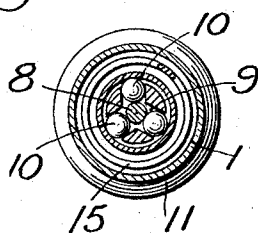


Fig. 2.



WITNESSES

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SCARF-PIN GUARD.

1,015,266.

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To all whom it may concern:

Be it known that I, ROBERT W. HARDIE, a citizen of the United States, and resident of the city of Yonkers, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Scarf-Pin Guards, of which the following is a full, clear, and exact description.

10 My invention relates to clutches designed to be used as guards for scarf pins, and has for its principal object, to provide means adapted to prevent a scarf pin from working loose from a scarf, or from being surreptitiously removed therefrom. This I accomplish by the means hereinafter described and illustrated in the accompanying drawings, wherein I have shown my invention embodied in the form preferred by me, and 20 wherein similar characters of reference indicate corresponding parts throughout the several views.

In the drawings, Figure 1, is a vertical longitudinal section of a scarf pin guard 25 embodying my invention showing a scarf pin applied thereto. Fig. 2 is a horizontal section taken on the line 2—2 of Fig. 1.

As illustrated in the drawings, 1 represents a tubular casing, preferably reduced 30 in diameter at the end 2 having an insertion opening 3. The opposite end of the casing is provided with an inclined inner end wall 4, flaring outwardly in a direction opposite to the insertion end of the casing and forming a recess, adapted to receive a head 5, 35 having an inclined wall 6 corresponding in a general way with the inclined inner end wall of the casing. The head 5 is provided with a central aperture 7 adapted 40 to receive a scarf pin 8, and with lateral apertures or recesses 9, for holding frictional balls 10, or other gripping devices adapted to bear against the inner inclined end wall 4 of the casing, and also against 45 a scarf pin 8 inserted in the central aperture 7 of said head. The head 5 is also provided with a tubular stem 12, extending through an aperture 13 in the conical end wall of the casing, which is preferably made large 50 enough to allow the inner end of said stem to pass through and up into the interior of the casing. The extremity 14 of said stem is preferably flaring to permit the point of a scarf pin to be readily inserted in said 55 stem. A spring 15, is arranged within the casing, between said head and the insertion

end of the casing and bears against the stem 12 so as to press said stem and the head 5 inwardly, thereby bringing the frictional or gripping devices against the inclined end wall 4 of the casing and against a scarf pin extending through said head 5. 60

To operate the clutch or guard, the pointed end of a scarf pin is inserted through the aperture 3 of the reduced end 2 of the casing into the stem 12 and through the head 5. The downward pressure of the end 65 of the pin against the balls 10 presses the head 5 outward slightly against the tension of said spring 15, thereby permitting the end of the pin to pass between the balls 10, and out through the head 5. When the downward pressure on the pin is released, the spring 15, forces the stem 12 inward, at the same time moving the head 5 toward 75 the inclined inner wall 4 and pressing the friction devices 10 against said end wall. The friction balls 10 are thereby pressed laterally against the shank of the pin extending through the head 5, and prevent the 80 pin from becoming loose, or from being removed from the scarf without the knowledge or consent of the wearer.

It is apparent that if an effort be made to remove the pin from the scarf of a wearer, 85 an upward pull of the pin, while gripped by the balls 10 will tend to pull the head 5 farther inward in the recess in the end of the casing, and bring the balls 10 into a more contracted portion of the recess and 90 consequently cause the balls to grip the pin more tightly.

When it is desired by the user to release the pin, the head 5 is pulled outward slightly from the end wall of the casing, by 95 means of a rim 11, which overlaps the adjacent end of the casing and extends outward laterally therefrom, thereby bringing the friction balls 10 into a wider part of said recess, and when in such position, the friction balls 10 relax their grip on the pin and 100 permit the pin to be readily withdrawn from the guard.

As shown in the drawings, the end wall 4 is formed independently of the body of the casing and is secured thereto in any suitable 105 manner, as by turning over the adjacent edge 16 of the casing onto the outer edge 17 of the end wall 4. By means of such construction, the tubular stem 12 may be passed 110 through the aperture 13 of the end wall and the spring 16 arranged in position before

the end wall is set permanently in the casing. The end wall of the casing may however be formed integral with the body of the casing without departing from my invention.

5 Having thus described my invention, what I claim as new and desire to secure by Letters-Patent is:

10 1. A scarf pin guard, comprising a casing having an insertion opening at one end and at the opposite end an inner end wall inclined inwardly forming a recess and provided with an aperture, a head within said recess provided with an aperture to receive
15 a scarf pin and with a stem extending through said end wall into the interior of said casing, a pin gripping device mounted in said head adapted to bear against one side of said end wall, and a spring within said casing on the opposite side of said end wall
20 adapted to press said stem and head normally inward.

2. A scarf pin guard, comprising a cas-

ing having an insertion opening at one end and at the opposite end an inner end wall inclined inwardly forming a recess, a head 25 within said recess and provided with an aperture to receive a scarf pin and with a stem extending into said casing through said end wall and provided with a flaring inner end, a gripping device mounted in 30 said head bearing against said inclined end wall of the casing and projecting into said scarf pin aperture of said head, and a spring within said casing between the inner side of said end wall and insertion end of said 35 casing to press said stem and head normally inward.

In witness whereof I have hereunto set my signature in the presence of two attesting witnesses.

ROBERT W. HARDIE.

Witnesses:

JAMES A. BLANCHFIELD,
EVA PARNES.