

A. MUELLER.
HAT PIN GUARD.
APPLICATION FILED JULY 10, 1911.

1,020,653.

Patented Mar. 19, 1912.

Fig. 1.

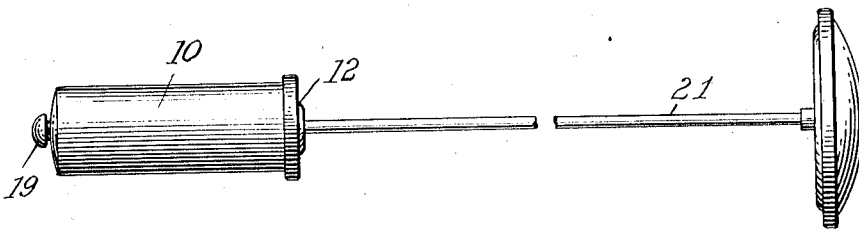


Fig. 2.

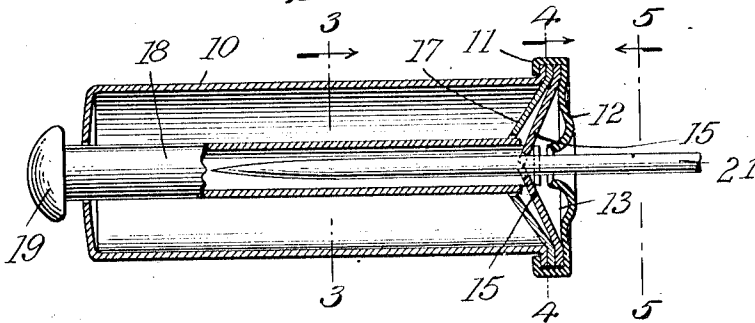


Fig. 3.

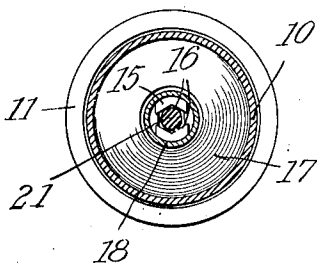


Fig. 4.

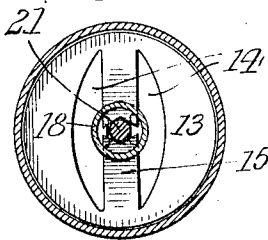


Fig. 5.

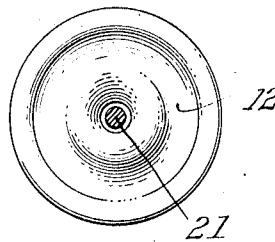
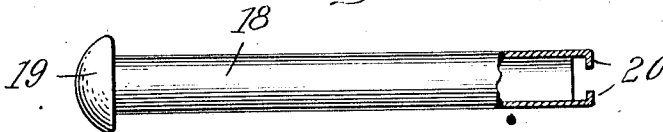


Fig. 6.



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HAT-PIN GUARD.

1,020,653.

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To all whom it may concern:

Be it known that I, AUGUST MUELLER, a citizen of the United States, residing at New York city, county and State of New York, have invented a new and Improved Hat-Pin Guard, of which the following is a specification.

This invention relates to a hat pin guard of novel construction which may be readily applied and removed, and is not liable to become accidentally detached.

In the accompanying drawing, which is made part of this specification Figure 1 is a side elevation of a hat pin guard embodying my invention; Fig. 2 an enlarged longitudinal section thereof; Fig. 3 a cross section on line 3—3, Fig. 2; Fig. 4 a cross section on line 4—4, Fig. 2; Fig. 5 a cross section on line 5—5, Fig. 2, and Fig. 6 a detail side view partly in section of the plunger.

A tubular casing 10 is provided with a lower flange which is interlocked with the upwardly turned flange or bead 11 of a centrally apertured base plate or pin guide 12. Above plate 12 there is secured within casing 10, a resilient plate 13 provided with a pair of opposed slots 14, and an intervening bridge which is divided at the center to form a pair of diametrically opposed spring arms 15. These arms thus form an integral portion of plate 13, the free ends of the arms being notched as at 16. Above plate 13 there is arranged a third coniform apertured plate or cap 17 that serves to limit the inward play of spring arms 15. The rim of coniform plate 17 and that of resilient plate 13 are interposed between the end flange of casing 10 and pin guide 12, so that the beaded edge of the latter serves to securely attach plates 17 and 13 to the casing. Axially through casing 10, there extends a tubular plunger 18 passing outwardly through the apertured head of the casing and here provided with a

readily accessible button or finger piece 19 that closes the plunger. The inner end of the plunger passes freely through the central aperture of cap 17 and is by prongs 20 connected to both of the spring arms 15, near the free ends thereof.

In use the hat pin 21 is with its pointed end pushed into casing 10, so as to pass through apertured base plate 12 between spring arms 15, and into the hollow of the tubular plunger 18. By the introduction of the pin into the casing, the spring arms will become slightly deflected so as to obtain with their notched ends 16, a firm grip on the pin and thus securely lock the guard thereto. By slightly drawing the plunger out, the spring arms will be swung apart to release their hold on the pin, so that the latter may be readily withdrawn.

It will be seen that the device may be readily manipulated, that it is of neat appearance, and that it effectively incases the protruding end of the pin, so that dangerous contact therewith is averted.

I claim:

A hat pin guard comprising a tubular casing flanged at one end, a centrally apertured coniform plate, a divided additional plate having a pair of opposed spring-arms, a pin guide interlocked with the casing-flange, and securing the coniform plate and the divided plate to the casing, and a tubular plunger adapted to receive the pointed end of a hat pin, said plunger extending outside the casing at the end opposite the pin guide and being engaged by the spring-arms, while the coniform plate constitutes a bearing for the plunger and also a check for limiting the inward play of the spring-arms.

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