

(No Model.)

W. H. THOMPSON.
SAFETY LOCKING GUARD FOR HATS, &c.

No. 452,682.

Patented May 19, 1891.

Fig. 1.

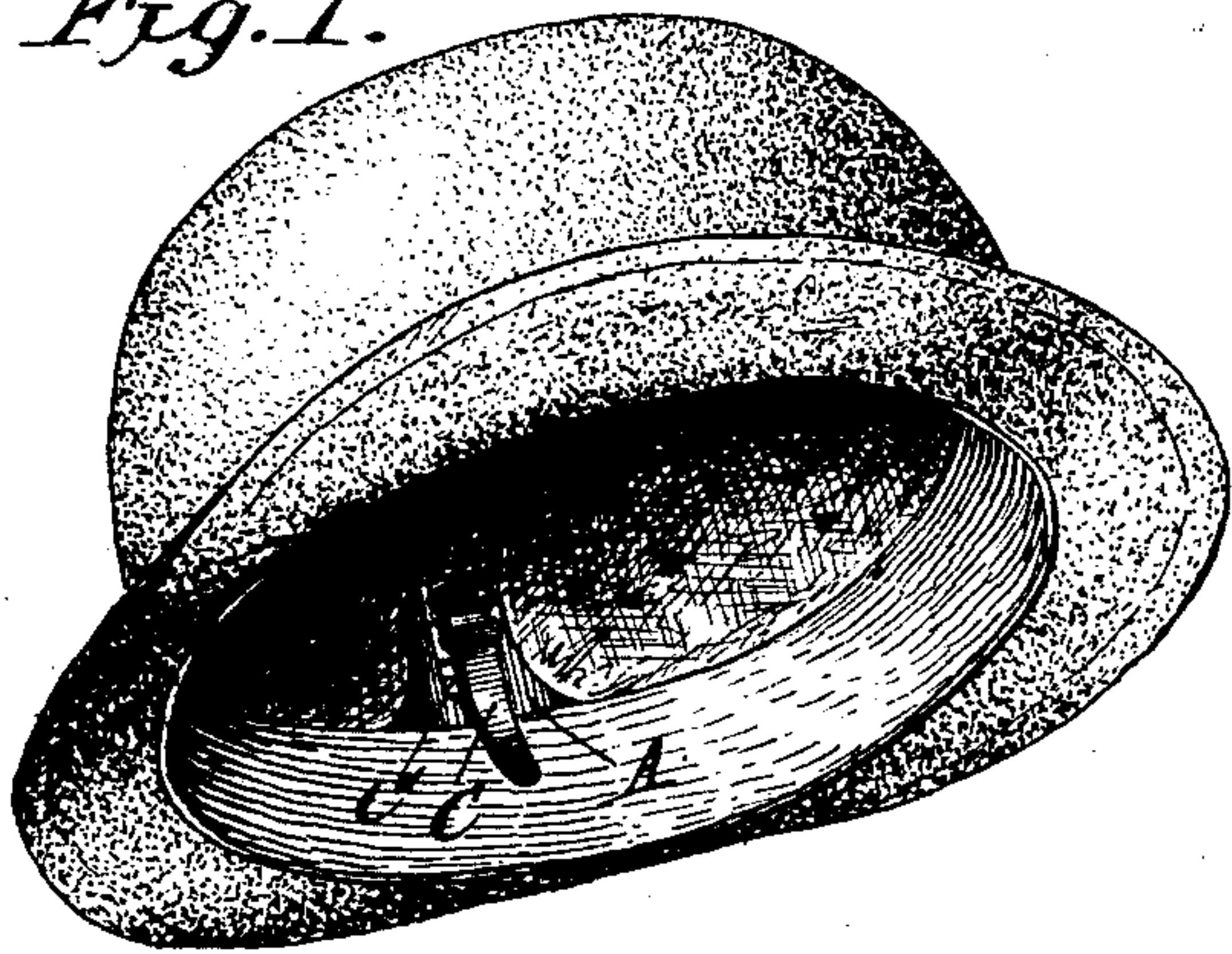


Fig. 2.

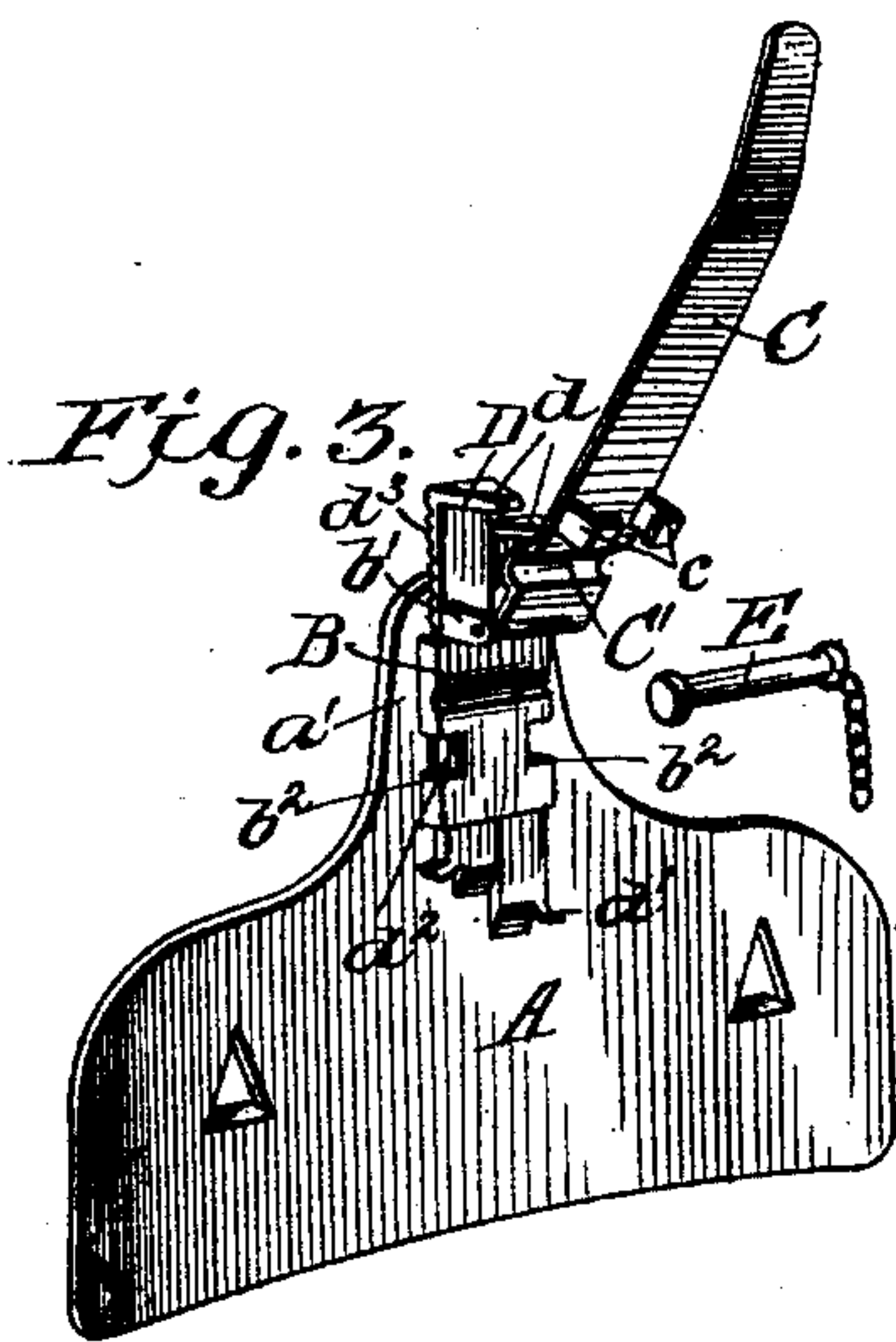
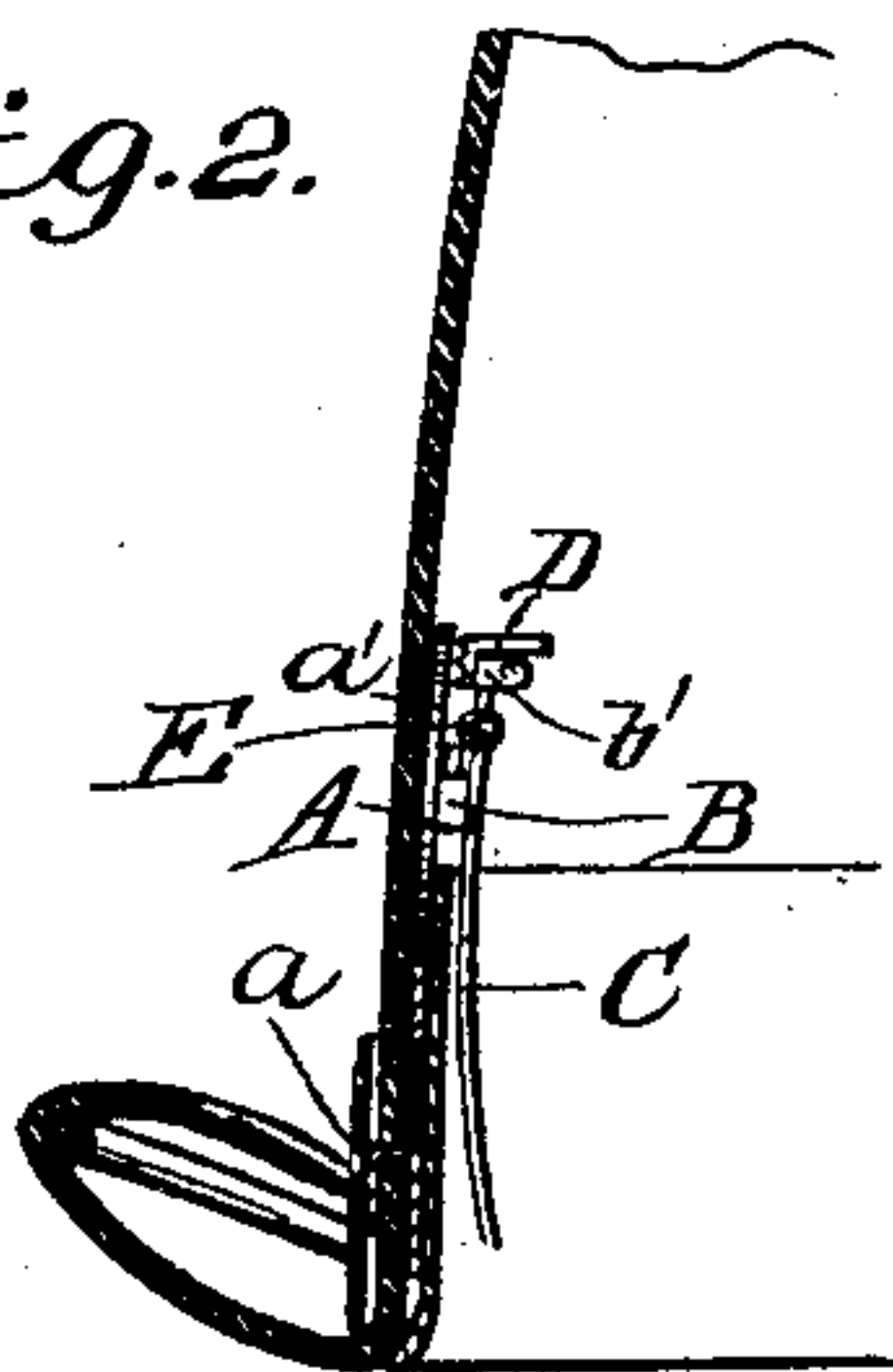


Fig. 4.

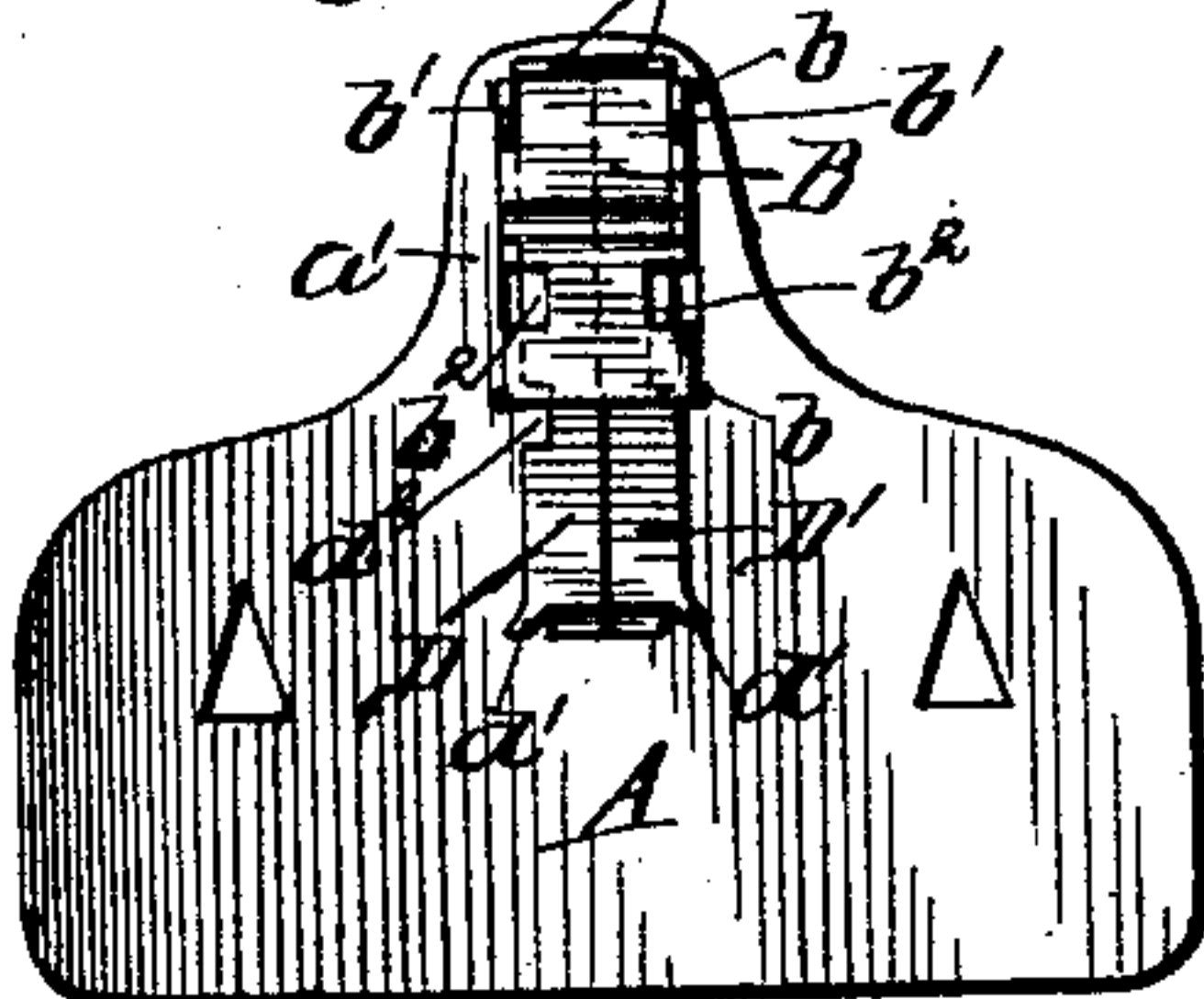


Fig. 5.

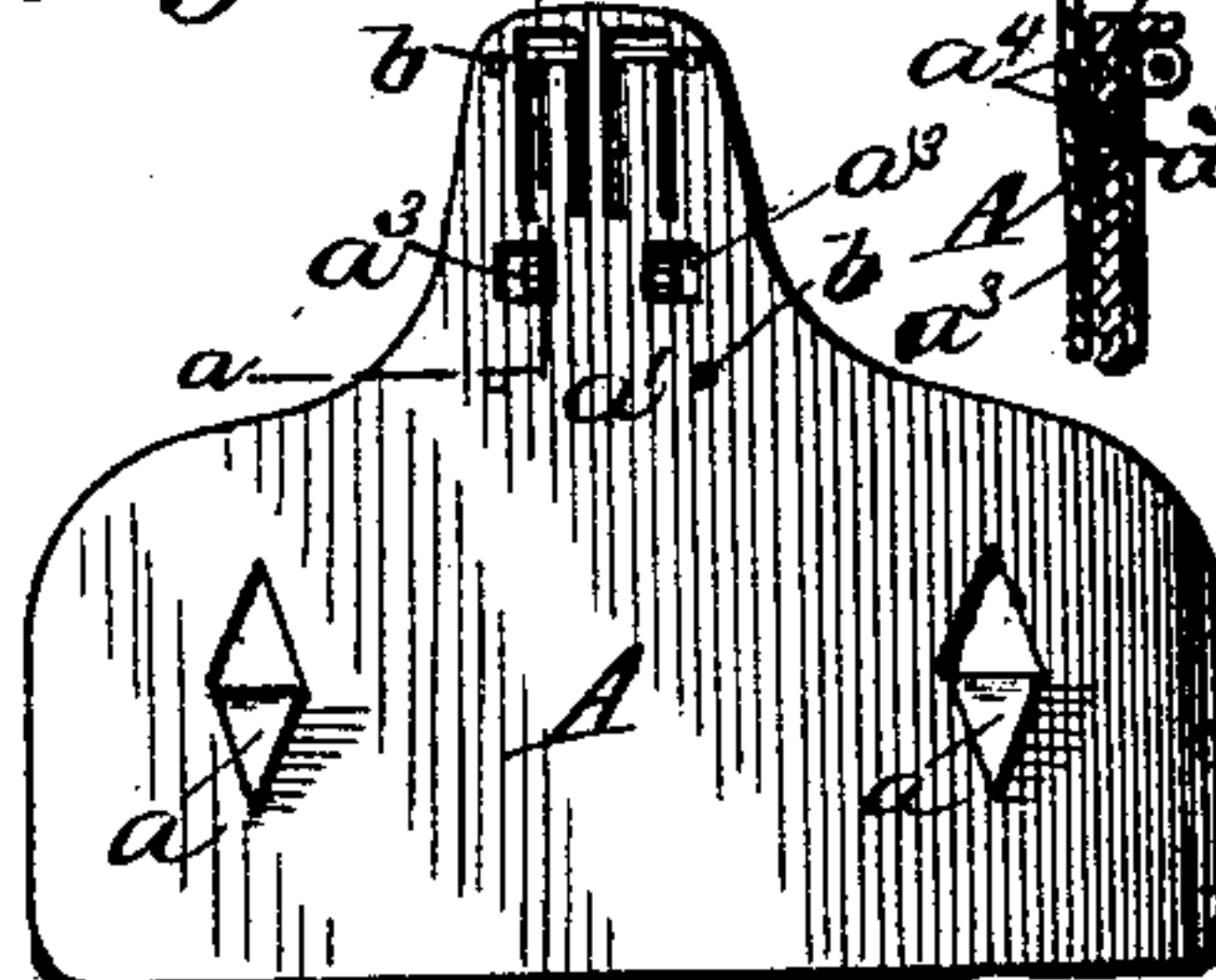


Fig. 6.



WITNESSES:

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WILLIAM H. THOMPSON, OF WINNIPEG, CANADA.

SAFETY LOCKING-GUARD FOR HATS, &c.

SPECIFICATION forming part of Letters Patent No. 452,682, dated May 19, 1891.

Application filed June 20, 1890. Serial No. 356,173. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. THOMPSON, residing at Winnipeg, Manitoba, Canada, have invented a new and useful Safety Locking-Guard for Hats, of which the following is a specification.

My invention relates to a guard which is in the nature of a combination-lock, and which is adapted to be secured to a hat in such a manner that when adjusted in its locked position it will prevent placing of the hat upon the head, and it also forms a convenient means for attaching a holding-chain to the hat. It is further adapted for use in connection with the ordinary spring lock or clasp of valises, portmanteaus, and the like.

The objects of my invention are, first, to provide a combination-lock of the character described that can be opened by the sense of feeling, independent of the sense of sight, or by the sense of sight, as in the case of ordinary combination-locks; second, to provide means for the adjustment of this lock in hats with a view of preventing mistakes as to ownership, and, third, to provide means for the attachment of hats to overcoats or other objects.

To this end my invention consists in providing a base plate or frame adapted to be secured to the inside of a hat and providing a hinged finger adapted to be held thereto and projecting slightly inward from the hat-body, so as to form a projection which will come into contact with and prevent the hat being placed upon the head when in locked position, said finger also being adapted to hold one end of a chain or cord the free end of which may be secured to the overcoat of the wearer or other object, and in providing suitably-arranged locking-slides, two or more in number, which can be arranged for different degrees of movement relative to each other before said hinged finger can be unlocked.

My invention further consists in the novel arrangement and peculiar combination of parts, all of which will hereinafter be fully described in the annexed specification and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is perspective view of a hat with my improvement applied. Fig. 2 is a section

on the line 2 2, Fig. 1. Fig. 3 is a perspective view of the device with the parts in their unlocked position. Fig. 4 is a front face view of the device with the locking-finger shown detached. Fig. 5 is a rear face view thereof. Fig. 5^a is a section on the line *a a* of Fig. 5. Fig. 6 illustrates the device as in use, showing the hat connected with an overcoat.

In the accompanying drawings, in which the same reference-marks indicate like parts in all the figures, A denotes the base-plate, which is secured by the prongs *a a*, which pass through the hat at a point back of the band, as shown, or by any other suitable means.

B denotes a cap-plate or housing secured to the extension *a'* of the plate A, preferably by forming four prongs *b*, which pass through the plate A and are riveted, as shown. The upper end of the cap is formed with ears *b'* *b'*, between which is tightly hinged (to prevent its dropping down) a guard-finger or dart C, said cap being also provided with two recesses *b² b²* in its opposite edges, which register with apertures *a³ a³* in the plate A. The finger or dart C is provided with two lips, turned first downward at right angles to the body and then inward, as at *c*, parallel therewith, forming locking-prongs which are arranged to pass down through the recesses *b²* and the apertures *a³*.

D D' indicate two slides held for independent movement in the cap or housing B, formed with turned-up ends *d d*, so they can be easily pulled outward, their opposite ends being formed with projections *d' d'* to prevent the slides being entirely withdrawn from the cap-plate. Each of the slides is provided with a recess *d²* on its outer edge, of a size sufficiently large to permit the prongs *c* passing there-through. By reference to the drawings it will be seen that the recesses *d²* in the slides are located at different points therein, and that I provide the lower faces of said slides with a series of notches *d³*, preferably of equal numbers, with which engage spring-fingers *a⁴ a⁴*, stamped up from the body of the plate A. By this construction it will be seen that by the sense of feeling a person can pull the slides out the required distance, each partial movement being indicated by the short clicks and stop of the slides. Thus, should the re-

cess d^2 in one of the slides be so disposed that an outward movement of the said slide to the extent of five notches be necessary to bring said recess d^2 in line with the aperture a^3 , and the movement of the adjacent slide be the distance of three notches, the operator can readily tell when the slides have been properly adjusted, so as to permit the hinged finger being swung open. The finger C is also formed with a loop portion C' , which fits over a headed pin E, secured to one end of a chain, the opposite end of which is formed with a ring e , whereby it may be readily looped into the button-hole of an overcoat, as shown in Fig. 6, or secured to any other object.

My improved device is exceedingly simple in construction and can readily be adapted for various uses.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a lock-guard for the purpose described, the combination of the base-plate A, adapted to be secured to the hat, a hinged dart or guard-finger arranged to project over the opening in the hat, and a locking device secured to the base-plate, arranged to engage the dart and hold it in engagement with the body when in its operative position, substantially as and for the purpose described.

2. In a lock-guard for hats, the combination of a base-plate arranged to be secured to the inside of a hat, a dart or guard-finger hinged at its upper end to the base-plate and provided with projections, and a combination-lock device formed on the said base-plate, with which the projections on the guard-finger are adapted to engage when the said finger is in its operative position, substantially as and for the purpose described.

3. A lock-guard for hats, consisting of a base-plate adapted to be secured to the inside of a hat, a guard-finger hinged at its upper end to the plate, its body portion arranged to fold down against said plate, its lower end curved outward over the opening in the hat, and a combination-lock formed on the base-plate, with which said guard-finger is adapted to engage and be locked thereby when folded down against the body or base-plate, substantially as and for the purpose described.

4. The combination, with the body portion

A, adapted to be secured to the inside of a hat, and a housing formed thereon, of the dart or finger C, hinged to the said housing, a holding chain or cord having a retaining-bolt E, and a permutation locking device arranged to lock said bolt between the finger and the body portion and the said finger C to the body portion, substantially as and for the purpose described.

5. A locking-guard for hats, consisting of a base-plate adapted to be secured to the hat, a housing or cap-piece held thereon, apertures formed in said plates and cap-piece, locking-slides held for independent movement in said housing, formed with recesses in their outer edges, and a hinged guard-finger or dart provided with depending lugs having inturned prongs c , said lugs adapted to pass through said apertures in the cap-piece and base-plate, the prongs c thereof adapted to project under the slides and be held locked thereby, the lower end of said finger projected inward, substantially as and for the purpose described.

6. The combination, with the base-plate A, formed with the apertures a^3 a^3 and the spring-tongues a^4 , the cap-piece B, having recesses $b b$ registering with the apertures a^3 , and the hinged guard-finger or dart formed with inwardly-projecting lugs having inturned prongs c , of the locking-slides D, held for independent movement in said housing and formed with recesses $d d$ in their outer edges or inner edges, as the case may require, and with a series of notches on their under face adapted to be engaged by the tongues, substantially as and for the purpose described.

7. In a device for the purpose described, the combination, with the base-plate A, adapted to be secured to the hat, a guard-finger or dart hinged to the base-plate, formed with loop portion C' , of a holding-chain formed with a headed bolt adapted to seat between said socket and the base-plate when the dart is locked, and means for holding the hinged finger in locked position, substantially as shown and described.

WILLIAM H. THOMPSON.

Witnesses:

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BASIL H. LLOYD.