

No. 740,556.

PATENTED OCT. 6, 1903.

J. GUINAN.
SAFETY ATTACHMENT FOR RAZORS.

APPLICATION FILED APR. 20, 1903.

NO MODEL.

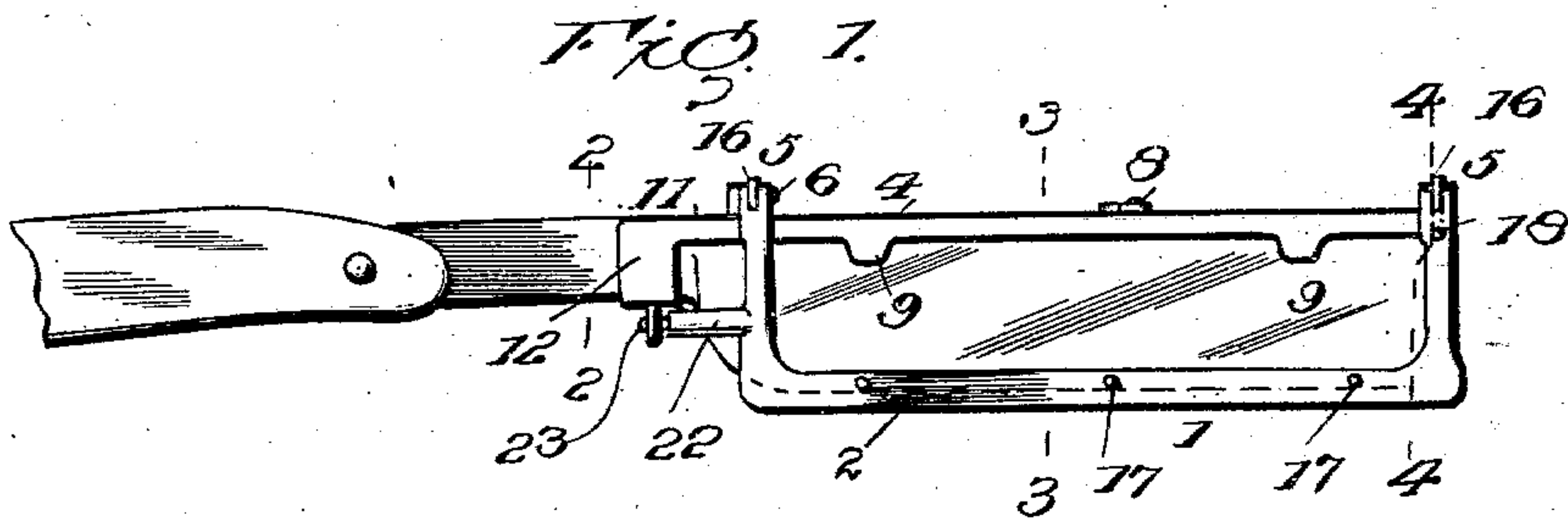


FIG. 2.

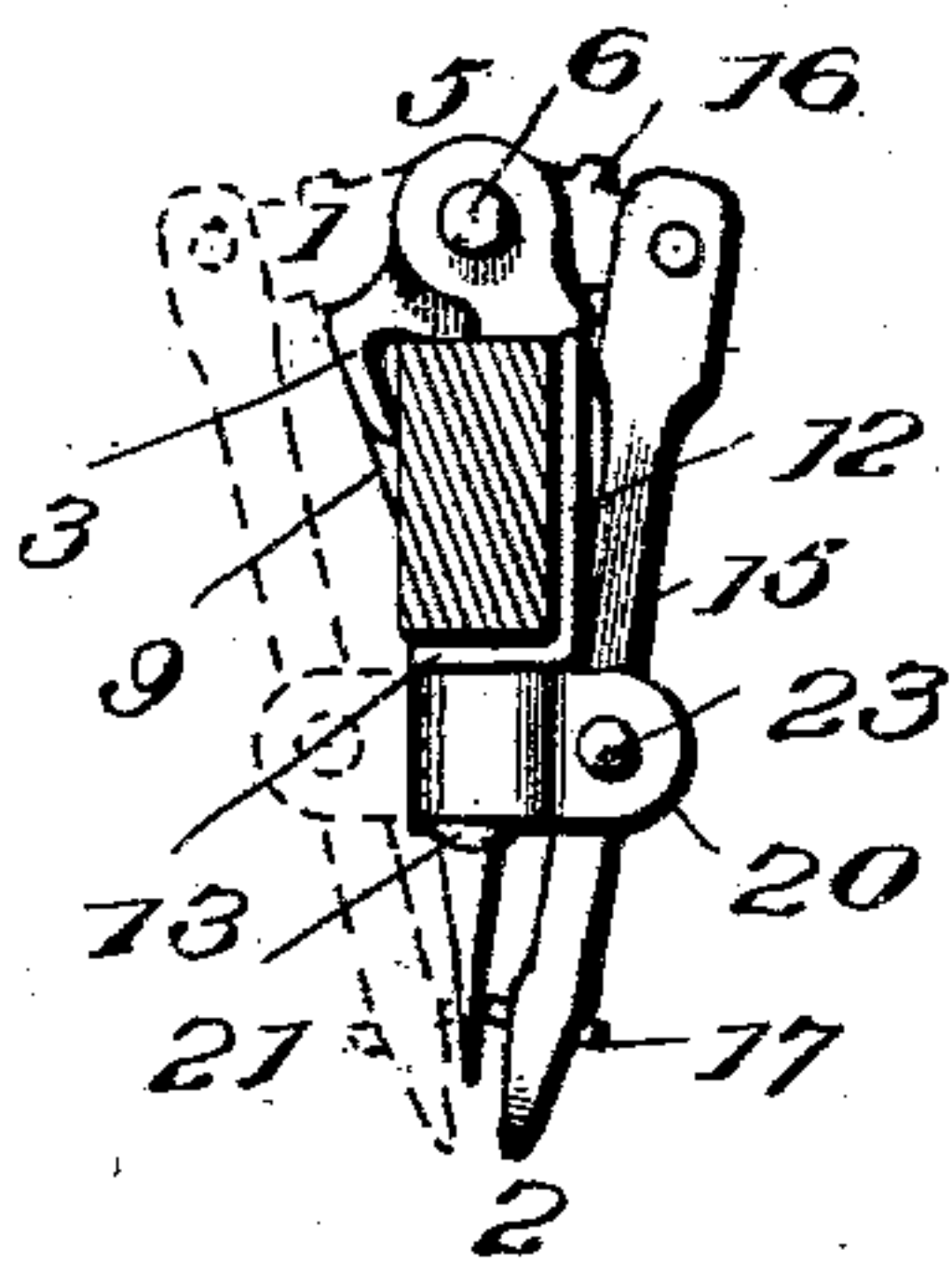


FIG. 3.

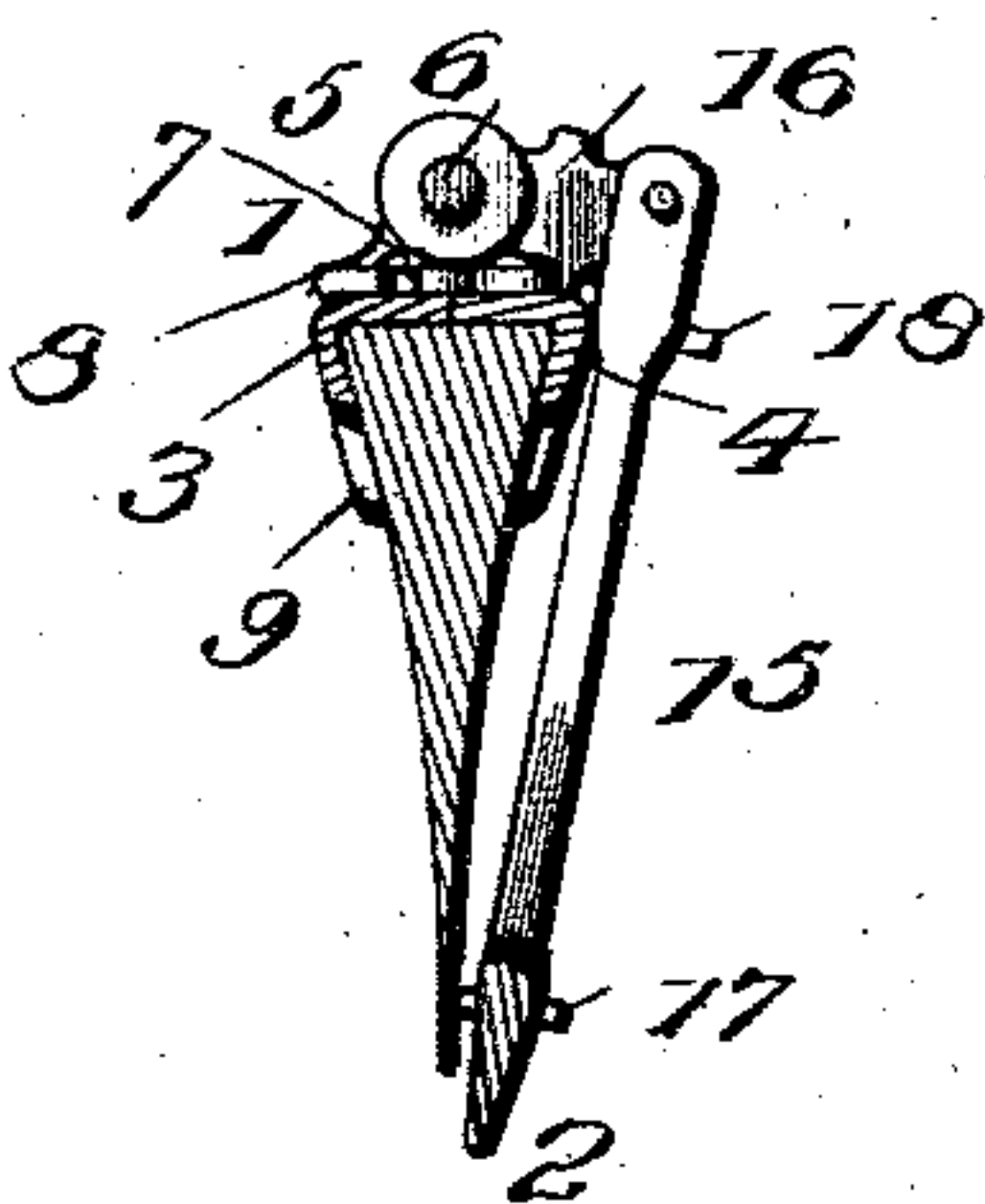


FIG. 4.

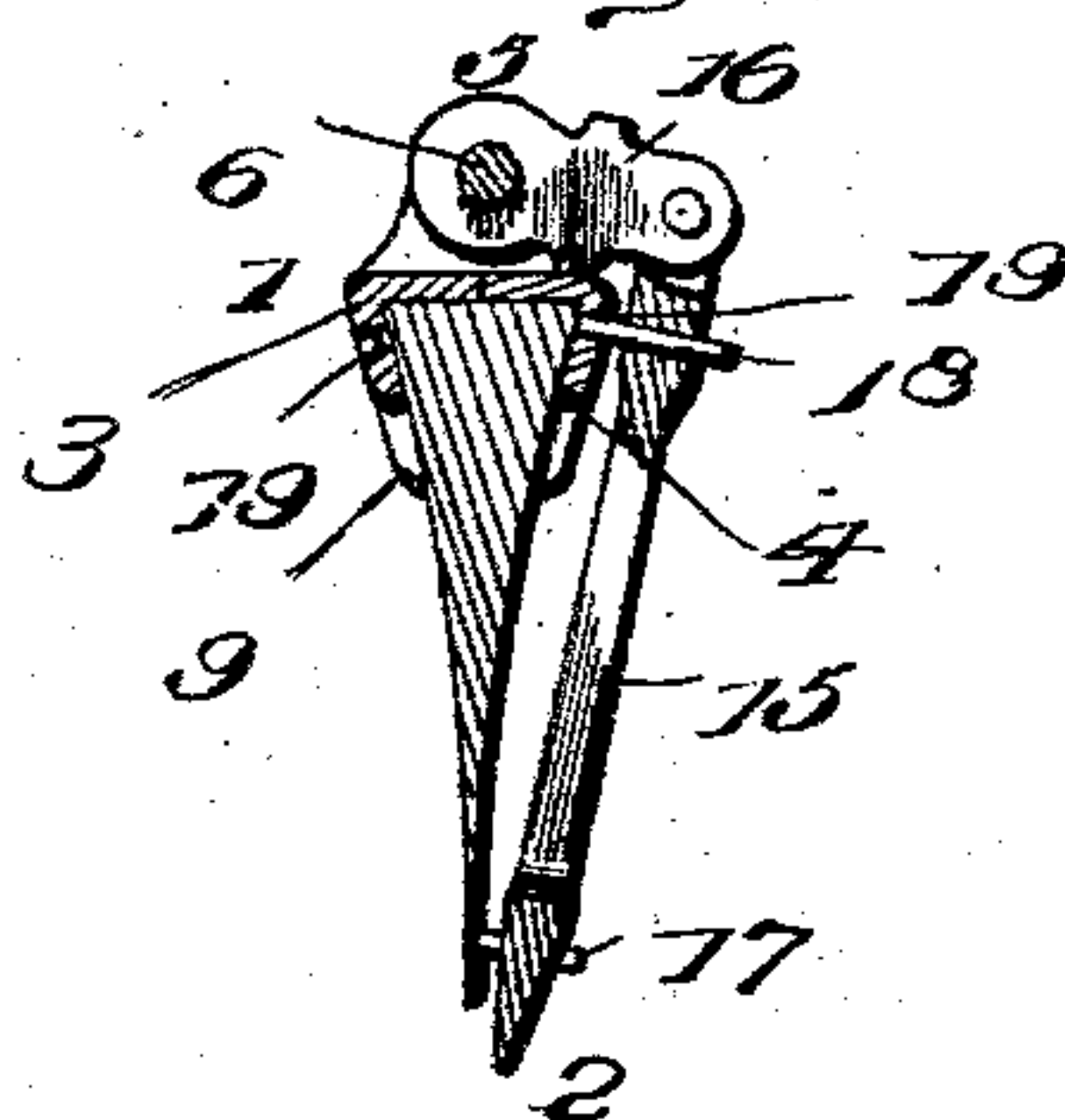


FIG. 5.

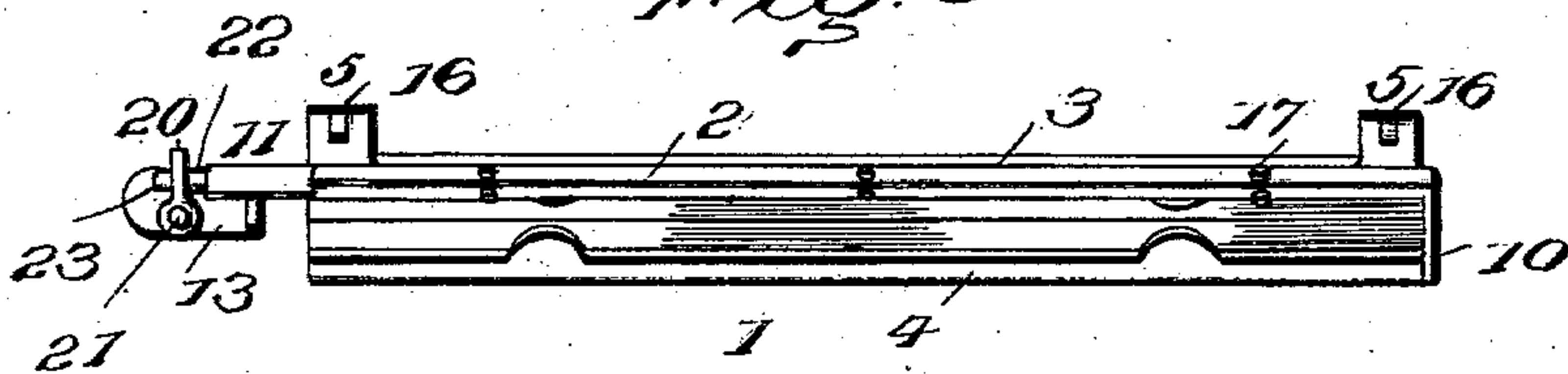
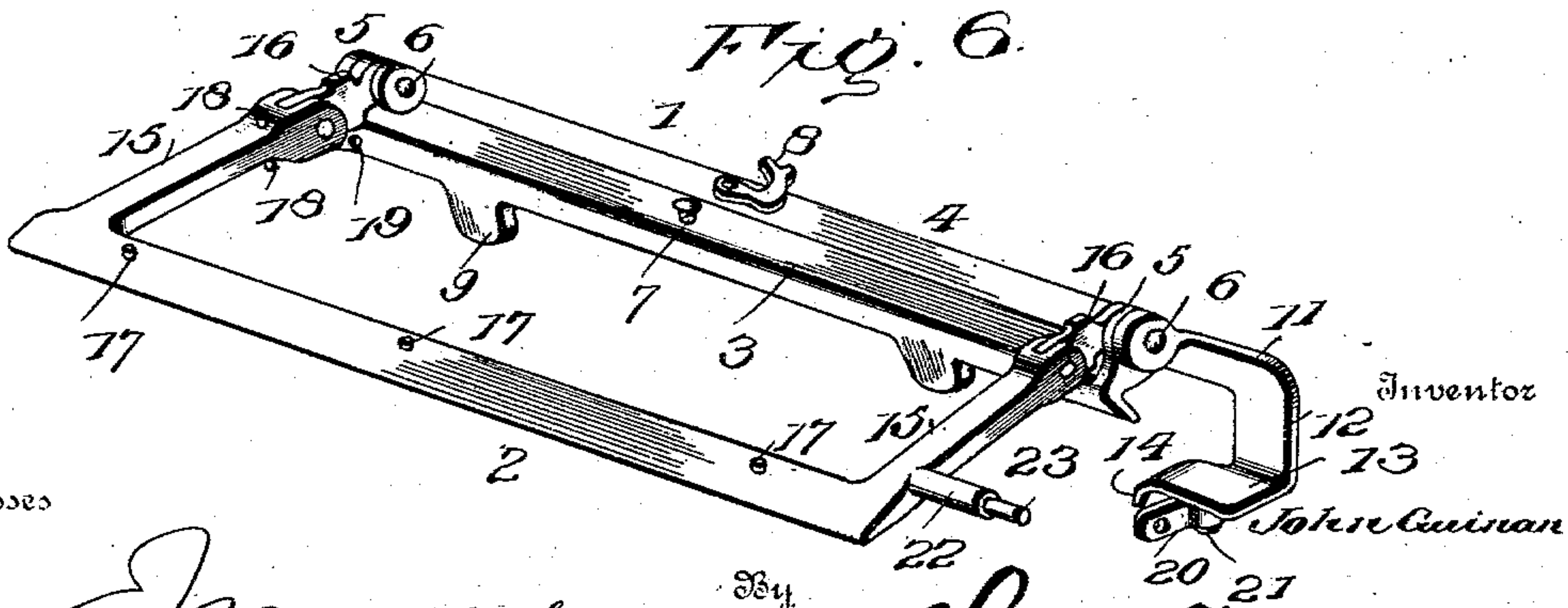


FIG. 6.



Witnesses

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SAFETY ATTACHMENT FOR RAZORS.

SPECIFICATION forming part of Letters Patent No. 740,556, dated October 6, 1903.

Application filed April 20, 1903. Serial No. 153,507. (No model.)

To all whom it may concern:

Be it known that I, JOHN GUINAN, a citizen of the United States, residing at Jamaica, in the county of Queens and State of New York, have invented certain new and useful Improvements in Safety Attachments for Razors, of which the following is a specification.

This invention provides a novel form of safety-guard readily adapted to be fitted to the back of an ordinary razor-blade and reversible, so as to lie against one side or the other of the blade, according to the convenience of the user, the construction and attaching means of the guard being such as to admit of the device being easily and quickly placed in position upon the razor or removed therefrom and when in place held securely against movement or slipping in any direction.

For a full description of the invention and the merits thereof, and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a razor provided with a safety-guard attachment constructed in accordance with the invention; the handle of the razor being extended and broken away. Fig. 2 is a cross-section on the line 2 2 of Fig. 1 looking to the right, the full and dotted lines showing the two positions of the guard. Fig. 3 is a section on the line 3 3 of Fig. 1. Fig. 4 is a section on the line 4 4 of Fig. 1. Fig. 5 is a view of the safety-guard attachment as seen from the bottom side. Fig. 6 is a perspective view of the safety-guard attachment, the guard being extended so as to lie about in the plane of the clamp.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The safety-guard attachment comprises, essentially, two parts—clamp 1 for securement of the device to the back of the razor-blade, and guard 2, hingedly connected to the

clamp and reversible, so as to lie against either side of the blade, as indicated by the full and dotted lines in Fig. 2.

The clamp comprises two members 3 and 4, disposed in parallel relation and constructed to embrace the back of the razor-blade, as indicated most clearly in Figs. 3 and 4. Each member of the clamp is approximately of L form in transverse section, the wings inclosing an acute angle, whereby the space formed between the clamp members when properly arranged is approximately of wedge form corresponding to the outline of the razor-back in transverse section. Members 3 and 4 are of similar formation and are hinged on a line corresponding with the longitudinal center of the razor-back. Hinge-lugs 5 project from the terminal portions of the clamp members and overlap and are transversely apertured to receive pivot-fastenings 6, by means of which the members are hingedly connected. The clamp members are held in proper position by means of a suitable catch, the same, as shown, consisting of headed stud 7 and hook 8, applied to respective members of the clamp and located about central thereof. Ears 9 project from the lower edge of the side wings of the clamp members and are adapted to engage with the sides of the razor-blade and brace the clamp and supplement the gripping action thereof. One of the clamp members is provided at its outer end with an inner extension 10 to form a stop to engage with the outer end of the razor-back and prevent relative inward movement of the safety-guard attachment when same is properly applied to the razor. To prevent relative outward displacement of the safety-guard attachment, one of the clamp members is provided with arm 11, which extends along the shank of the razor-blade for a short distance, thence downward, as shown at 12, and inward, as shown at 13, terminating in bent end 14, to lie against the heel of the blade adjacent to the under side of the shank. Parts 10 and 14 constitute stops to prevent any longitudinal play or movement of the clamp upon the back of the razor when fitted thereto.

The guard 2 is provided at its ends with arms 15, which are hingedly connected to the clamp by links 16, the latter being connected

to the hinge-lugs 5 of the clamp members by pivot-fastenings 6. The links 16 are of a length to admit of swinging the guard from one side of the clamp to the other, so it may occupy a position at one or the other side of the razor-blade, as indicated most clearly by the full and dotted lines in Fig. 2. Projections 17 extend from opposite sides of the guard and are adapted to engage with the sides of the razor-blade, so as to properly space the guard therefrom. These projections 17 may be pins let into the guard or may be parts pressed therefrom. To prevent relative vertical movement of the guard, studs 18 project from opposite sides of one of the arms 15, adjacent to its pivotal connection with link 16, and are adapted to enter openings 19 in opposite sides of the clamp, as shown most clearly in Fig. 4.

The guard is secured in either one of its operative positions by means of catch 20, which is pivoted on pin 21, extended from inner extension 13 of arm 11. Post 22 projects from inner arm 15 of the guard, and its outer end is reduced, as shown at 23, to pass through opening of pivoted catch 20. The parts 20 and 22 are so disposed as to secure the guard in either position.

The safety-guard attachment may be constructed of metal, celluloid, hard rubber, or other suitable material selected for its manufacture and is adapted to be fitted to any ordinary razor, the clamp providing for the easy and ready fitting of the attachment to the razor-blade and its removal therefrom for cleaning after use.

Having thus described the invention, what is claimed as new is—

1. A safety-guard attachment for razors comprising a clamp composed of hinged members, means for securing said members, and a guard hinged to the clamp and adapted to be turned so as to lie against one side or the other of the razor-blade, substantially as set forth.

2. In a safety-guard attachment for razors, a clamp to be fitted to the back of the razor and comprising similar members hingedly connected and provided with ears to extend along the sides of the razor-blade and supplement the clamping action of the clamp members, means for securing the clamp when fitted to the back of a razor, and a guard hinged to the clamp and reversible so as to lie against either side of the razor-blade, substantially as specified.

3. In a safety-guard attachment for razors, a clamp, a stop at the outer end of the clamp to engage with the outer end of the razor-blade, a stop at the inner end of the clamp to engage with the heel of the razor-blade adjacent to the under side of the shank, said stops serving to prevent any longitudinal movement of the clamp on the razor, and a guard hingedly connected to the clamp and

adapted to be reversed so as to lie against either side of the razor-blade, substantially as described.

4. In a safety-guard attachment for razors, a clamp to be fitted to the back of the razor, a reversible guard, and links hingedly connecting the guard with the clamp, substantially as set forth.

5. In a safety-guard attachment for razors, the combination of a clamp, a reversible guard, links hingedly connecting the guard with the clamp, and interlocking means between the guard and clamp to prevent relative vertical movement thereof, substantially as specified.

6. In a safety-guard attachment for razors, the combination of a clamp, a reversible guard, links hingedly connecting the guard with the clamp, means for securing the guard in either one of its two positions, and interlocking means between the guard and clamp to prevent relative vertical play of the guard, substantially as set forth.

7. In a safety-guard attachment for razors, the combination of a clamp having an arm extended from the rear end and terminating in a portion extending beneath the shank of the razor-blade, a guard hingedly connected with the clamp and adapted to be reversed so as to lie against either side of the razor-blade, and a catch pivoted to the aforesaid arm of the clamp and adapted to engage with a part of the guard to hold the latter in either one of its two positions, substantially as set forth.

8. In a safety-guard attachment for razors, the combination of a clamp comprising members provided with hinge-lugs, pins pivotally connecting the clamp members by being fitted into openings of said hinge-lugs, a reversible guard, links pivoted to the guard and pivotally connected to the hinge-lugs of the clamp members by the same pivot-fastenings, and means for securing the guard in either position, substantially as set forth.

9. The herein-described safety-guard attachment for razors, comprising a clamp composed of hinged members, stops at opposite ends of the clamp, an arm projected from the inner or rear end of the clamp and terminating in a portion extending beneath the shank or the razor-blade, a guard, links hingedly connecting the guard with the clamp, interlocking means between the guard and clamp to prevent relative vertical movement of the guard, and a catch pivoted to the arm extension of the clamp and adapted to engage with a portion of the guard to hold the latter in either position, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN GUINAN. [L. S.]

Witnesses:

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