

No. 819,640.

PATENTED MAY 1, 1906.

J. J. FETZER.
SAFETY RAZOR.
APPLICATION FILED AUG. 12, 1905.

Fig. 1.

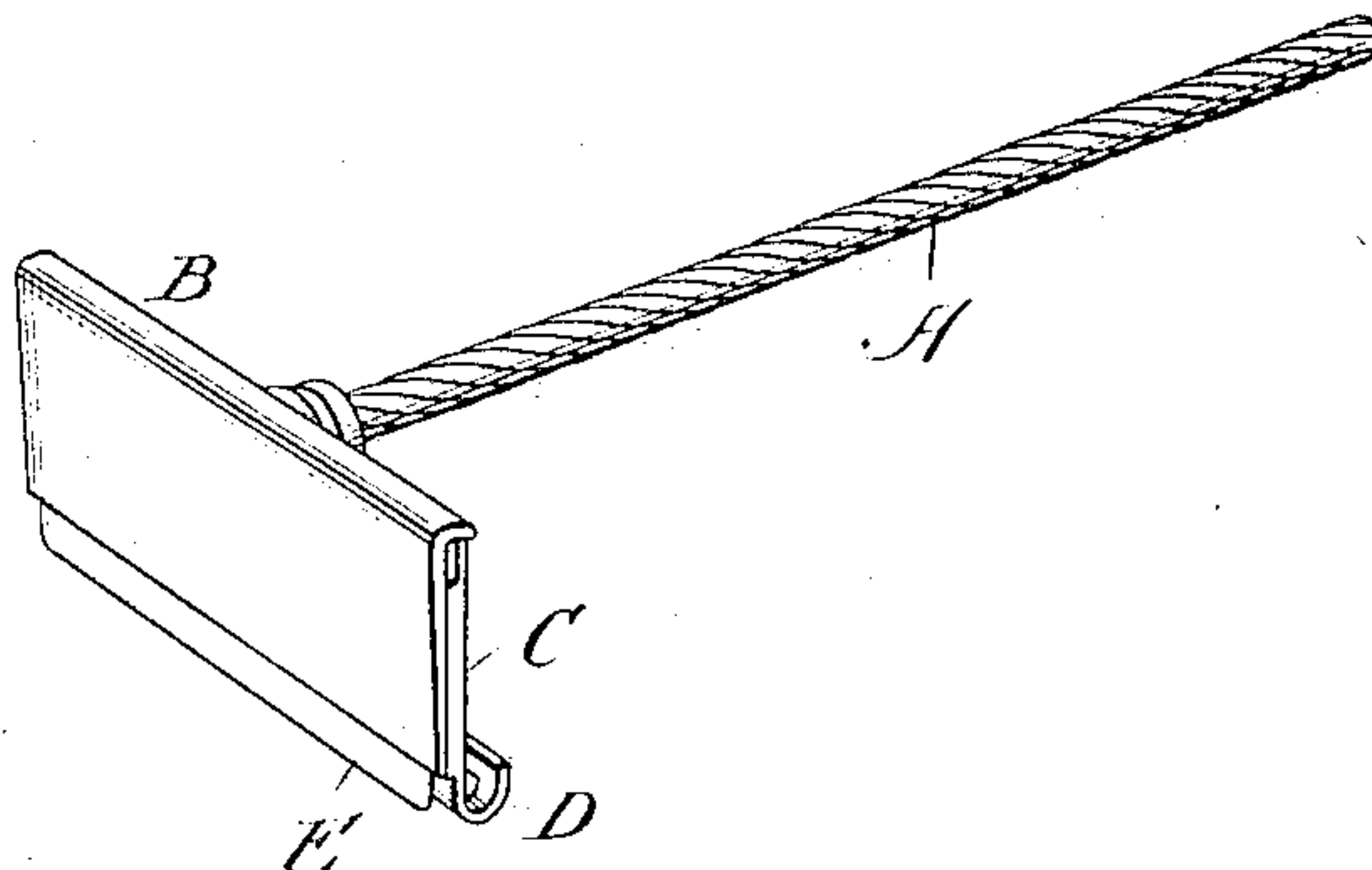


Fig. 2.

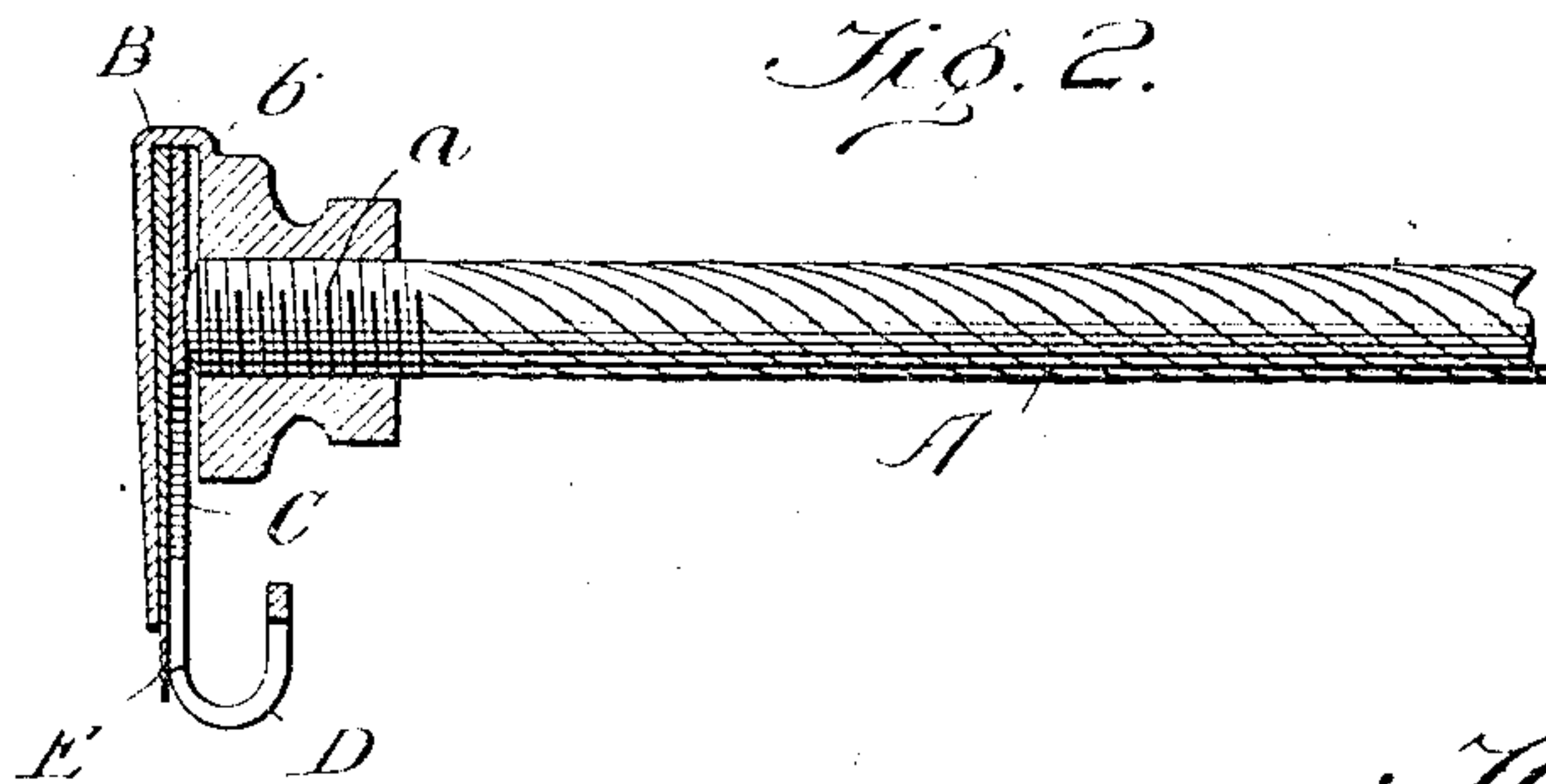


Fig. 4.

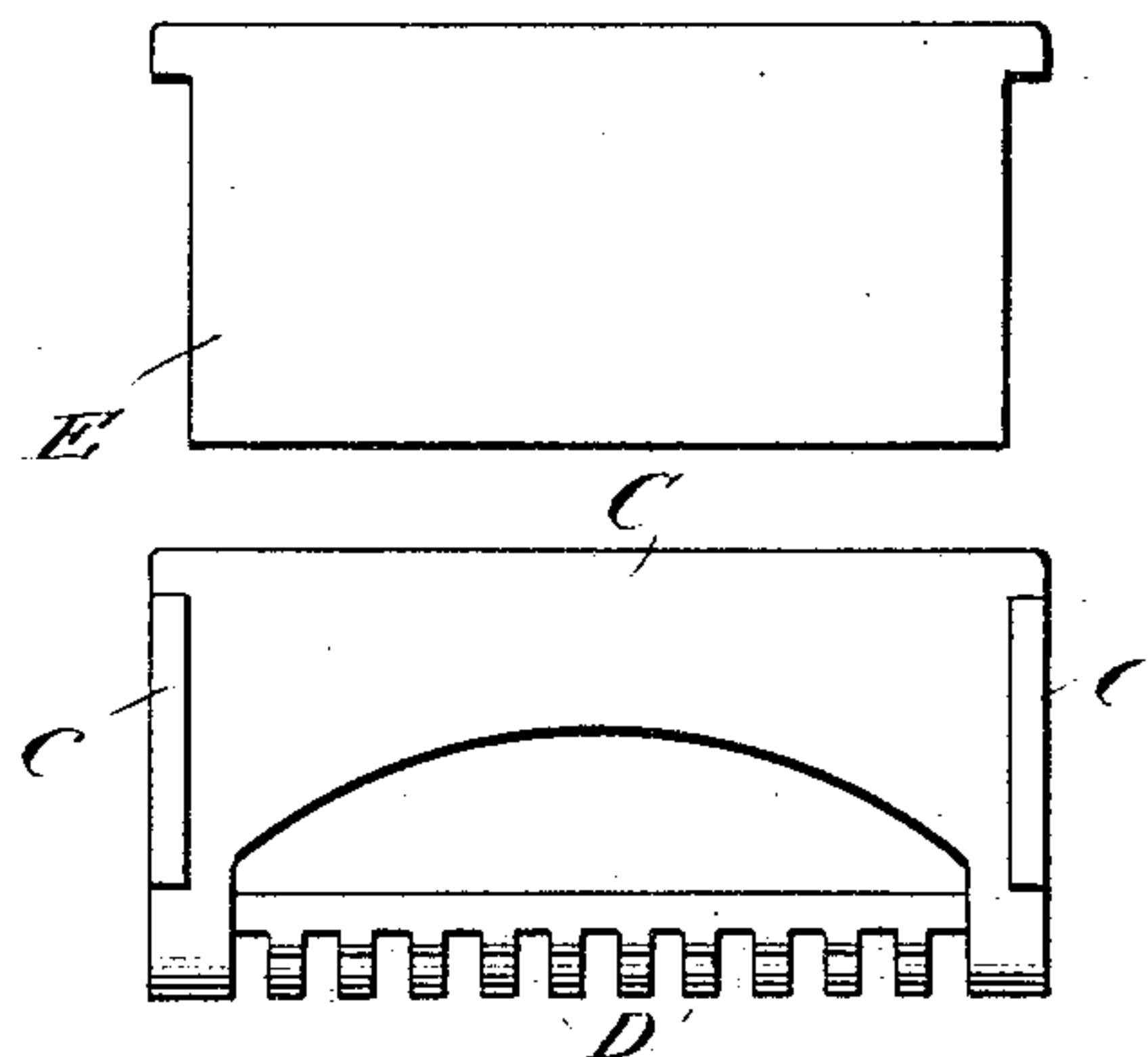
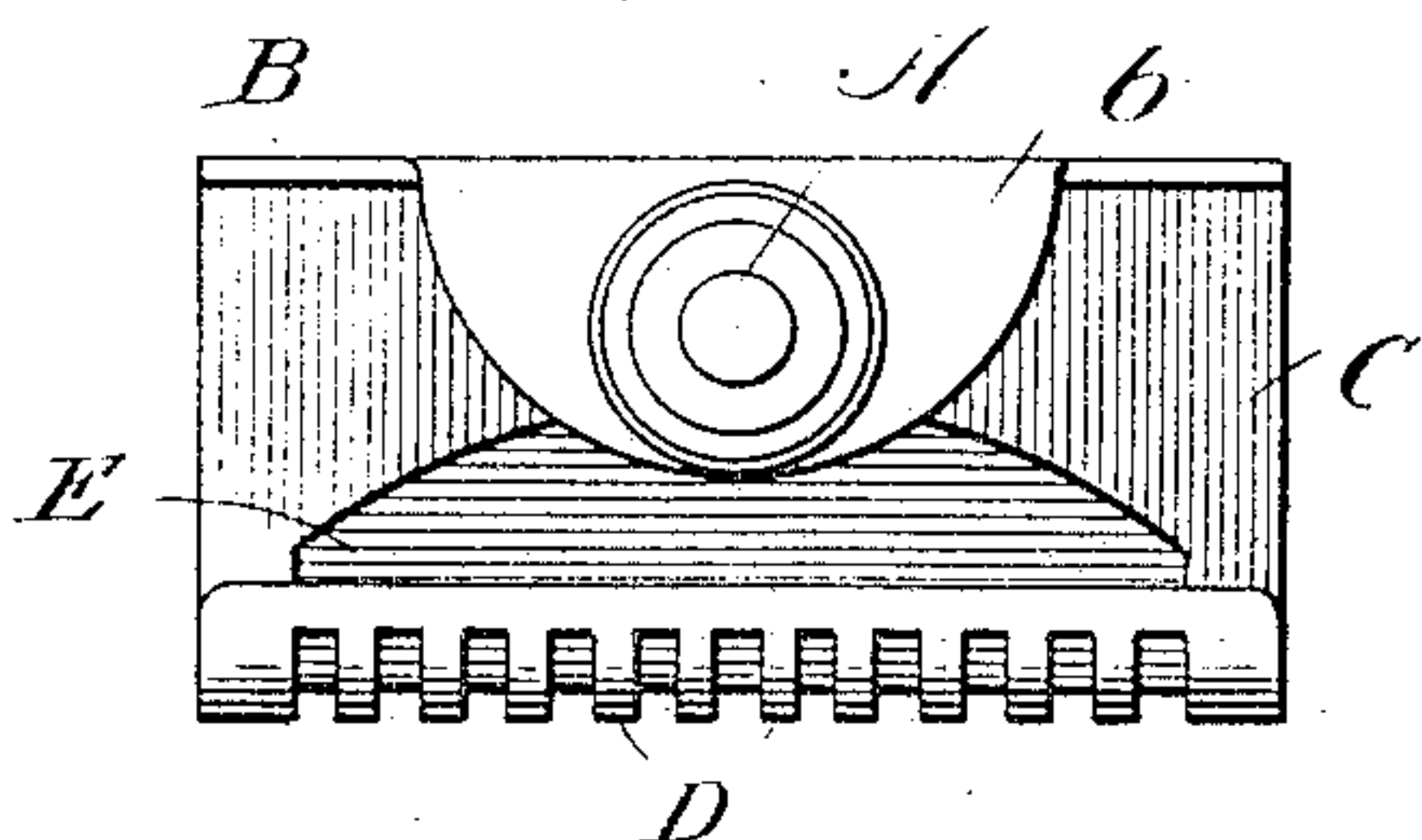


Fig. 3.



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UNITED STATES PATENT OFFICE.

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SAFETY-RAZOR.

No. 819,640.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed August 12, 1905. Serial No. 273,921.

To all whom it may concern:

Be it known that I, JAMES J. FETZER, a citizen of the United States, residing at Columbiana, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Safety-Razors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My present invention relates to safety-razors, and has among its objects the production of a tool of this class which shall be at once effective in its operation, convenient, light, and durable in its construction, and formed of a minimum number of parts most readily assembled or disconnected, so that it may as a consequence be easily cleaned and kept clean.

The invention will be hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, which form part of this specification, and whereon the same letters of reference indicate corresponding parts in the several views, Figure 1 represents my invention in perspective, the parts assembled and ready for use. Fig. 2 is a vertical central section through the razor body, blade, and guard on an enlarged scale. Fig. 3 is a reverse or back view looking along the handle of the tool; and Fig. 4 is a segregated view, in front elevation, of the razor blade and guard ready for assembling.

Reference being had to the drawings and letters thereon, A indicates the handle of my improved razor, which may be of any approved shape, but for economy and simplicity of construction is preferably straight, as shown, with a screw-threaded operative end, as *a*.

B indicates the body of the implement, preferably of rectangular form, folded upon itself at *b*, as best shown by Figs. 2 and 3, and at its center tapped by a screw-threaded opening to receive threaded end *a* of the handle A.

C indicates the razor-guard provided at its sides with folded, overlapping, or raised blade-retaining guides *c c* and finished upon its lower edge by a suitable comb or toothed member D of ordinary construction. Above comb D and between guides *c c* this guard member is cut away, as best shown by Fig. 4, to afford clearance for shavings of the beard

and assist in the operation of cleaning the parts after use.

E indicates the razor-blade adapted to fit snugly between guides *c c* of guard C and provided with laterally-extending ears upon its upper edge, which latter engage the upper ends of the guard-guides *c c*, and thereby position said guard and blade in operative relation. When so assembled, the guard C and blade E are placed between the main portion of the body B and its overlapped portion or back *b* and there secured by a turn of the handle A, the effect whereof is to jam blade E flat against the inner surface of body B by force of the screw *a* exerted upon guard C near its upper edge.

The construction and manner of assembling the parts of my present invention being substantially as stated, its use and operation is that common to all razors of this type and need not, therefore, be herein dwelt upon.

The provisions for readily and effectively assembling the parts of my improved razor, however, being substantially as shown and described, I do not propose to limit myself to this construction and arrangement precisely.

Various changes and modifications may be made therein without departing from the spirit of my invention, which being substantially as shown will now be claimed as follows:

I claim—

1. A safety-razor comprising in combination a body portion formed of spring-sections folded one upon the other, a removable blade and guard-plate interposed between said spring-sections, and a screw-handle piercing one of said sections adapted to force said removable members into close contact with the other of said sections, substantially as described.

2. A safety-razor comprising in combination a body portion formed of front and back spring-sections folded one upon the other, a removable blade and guard-plate interposed between said spring-sections, and a screw-handle threaded through said back section and adapted to force said removable members into locking engagement with the front section aforesaid, substantially as described.

3. A safety-razor comprising in combination a body portion formed of spring-sections folded one upon the other, a removable blade and guard-plate interposed between said

spring-sections, and a screw-handle having a rounded advance end threaded through one of said sections and adapted to force said removable members into locking engagement
5 with the other of said body-sections, substantially as described.

4. A safety-razor comprising in combination a body portion formed of spring-sections folded one upon the other, a removable blade
10 a removable blade-carrying guard interposed between said spring-sections, and a screw-

handle threaded through one of said sections and bearing upon the blade-carrying guard to force the latter into locking engagement with the other of said body-sections, substantially as described. 15

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

JAMES J. FETZER.

Witnesses:

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