

Robert Wyatt. Impⁿ in Clipping Shears.
 No. 118,417. Patented Aug. 22, 1871.

Fig. 1.

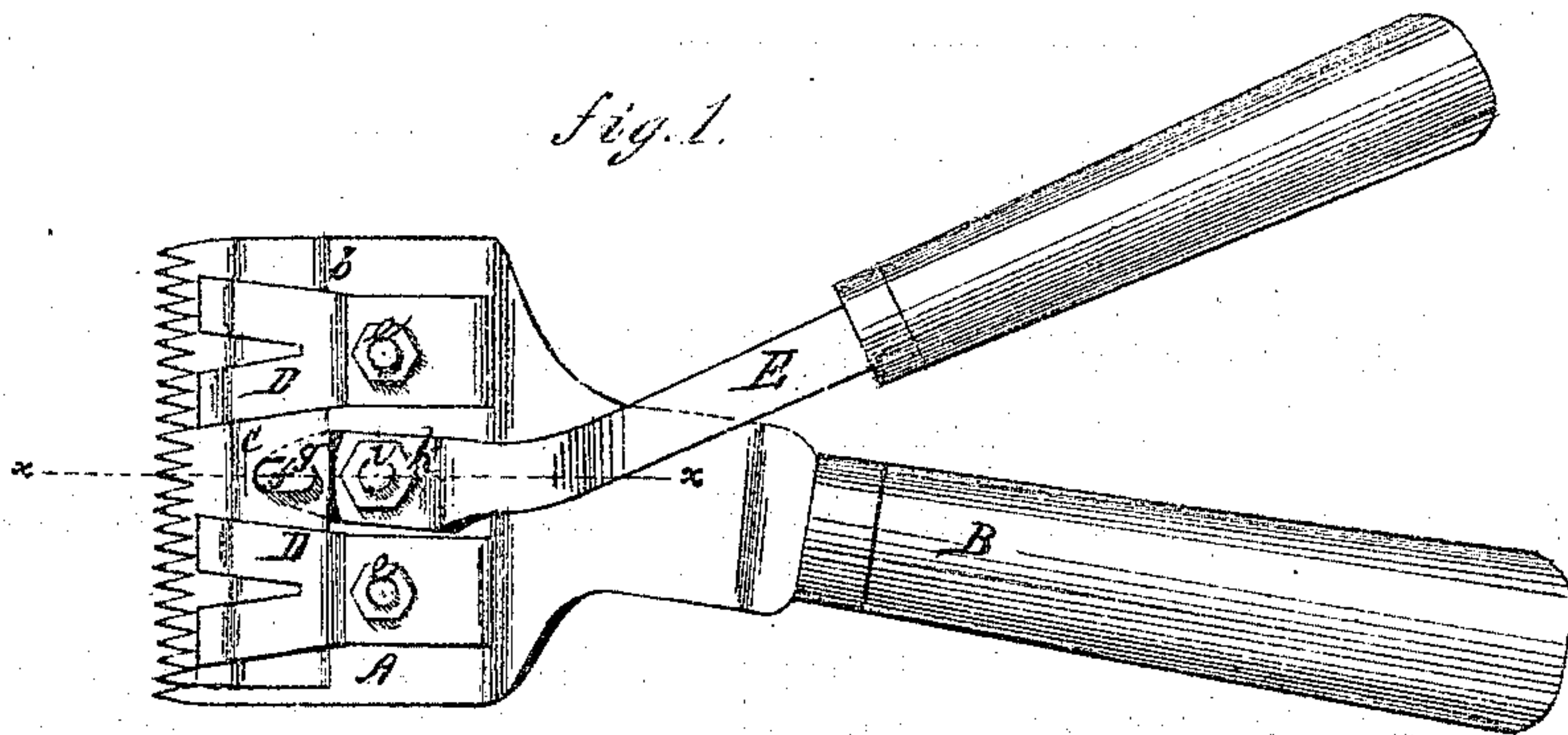


Fig. 2.

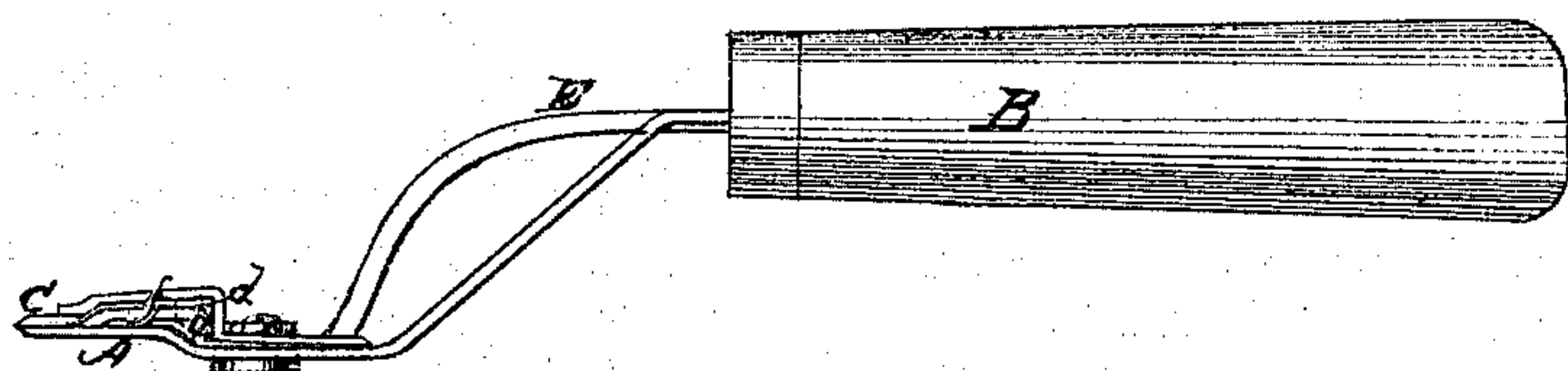


Fig. 3.

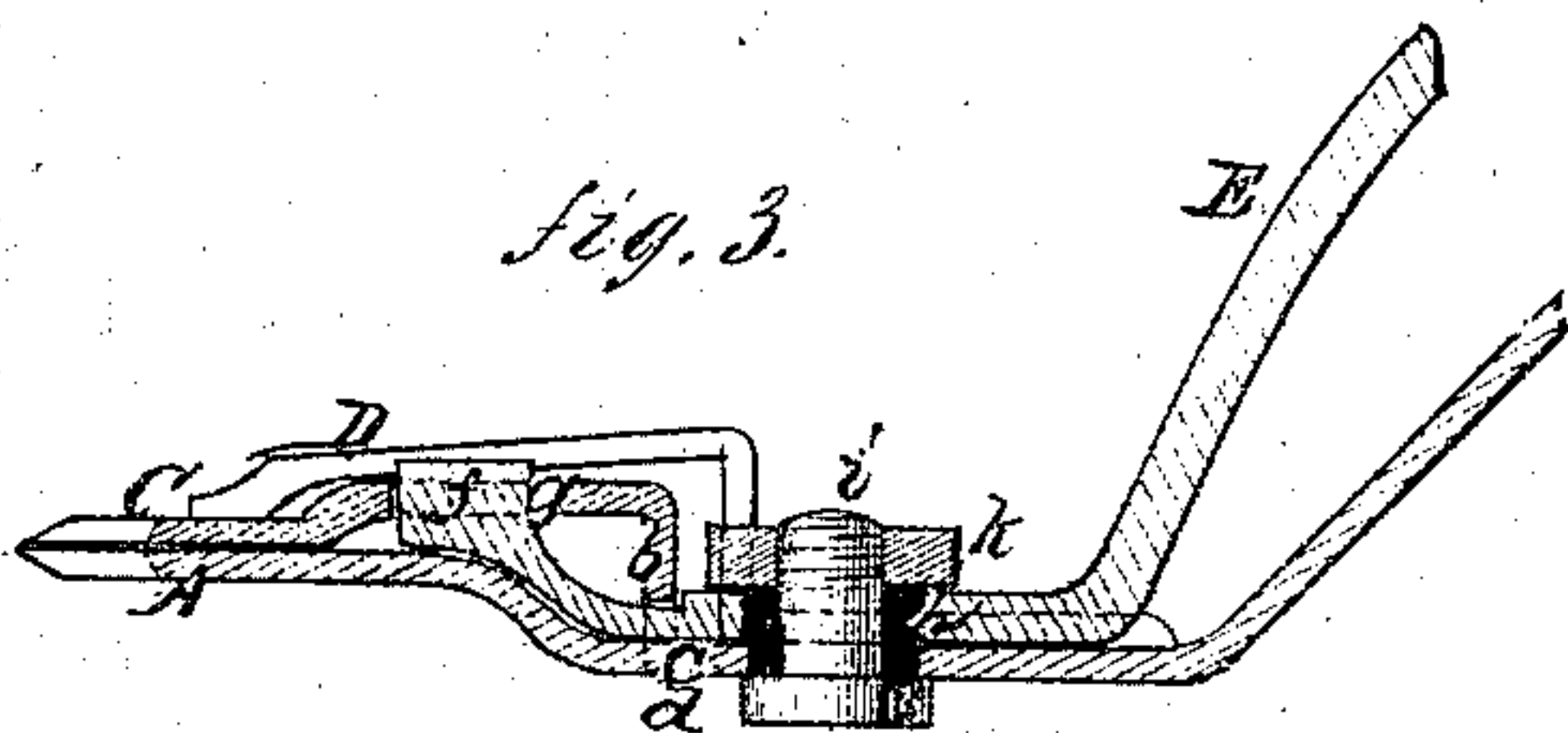
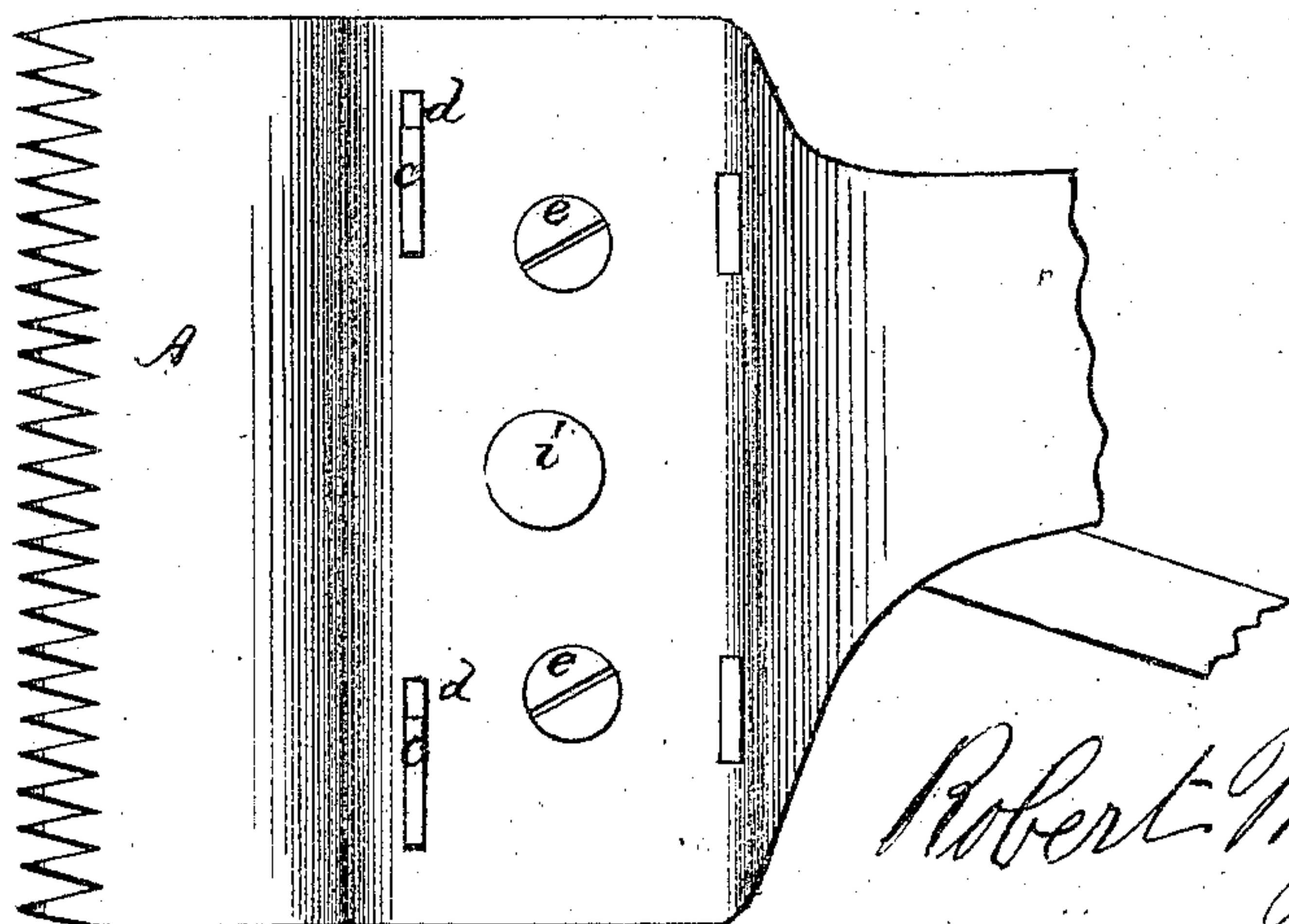


Fig. 4.



Witnesses:
Fred. Haynes
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN CLIPPING-SHEARS.

Specification forming part of Letters Patent No. 118,417, dated August 22, 1871; antedated August 11, 1871.

To all whom it may concern:

Be it known that I, ROBERT WYATT, of the city, county, and State of New York, have invented a new and useful Improvement in Clipping-Shears, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 represents a face view of a clipping-shears constructed in accordance with my improvement; Fig. 2, a side view of the same; and Fig. 3, a section on an enlarged scale through the line *xx* in Fig. 1. Fig. 4 is an inverted view.

Similar letters of reference indicate corresponding parts.

My invention consists in a novel construction of the sliding cutter, whereby it is guided in its reciprocation over the lower or stationary plate or cutter.

Referring to the accompanying drawing, A is the serrated bottom plate or cutter provided with a handle, B, and of the usual form or construction. C is the sliding serrated plate or top cutter. This plate only requires to be of narrow dimensions, and is formed so as to bear on the bottom plate A in front; also, at a point or on a line in the rear by constructing it with a bent back edge, *b*, which edge has projections *cc* on it, made to enter slots *dd* in the bottom plate, to guide the top plate in its reciprocating action. The top plate C is held down in an elastic manner to close or working contact with the bottom plate A by means of spring-clamps D D, which are constructed so as to bear only at their forward ends on the advance portion of the top plate C imme-

diately in rear of its teeth, and are spread or forked to divide or extend such bearing over the length of said plate. These clamps D D rest at their rear ends on the bottom plate, A, and are secured intermediately of their length to said bottom plate by bolts *ee*, which also provide, by tightening or slackening them, for increasing or diminishing the elastic clip of the clamps on the top plate, thus providing for the adjustment of the cutters relatively to each other. E is the double lever or handle for operating the top cutter C, by a lip, *f*, on its forward end entering a notch or slot, *g*, in said cutter. Instead of, as is usual in such devices, riveting this lever to the bottom plate, I make it work on or around a loose thimble, *h*, as a fulcrum, said thimble being projected through said lever and through the bottom plate or cutter A, and being retained in place by a bolt, *i*, which passes through said thimble and is secured by a nut, *k*. This connection provides for the ready attachment and detachment of the lever without endangering the working loose of the lever, or of the unscrewing of the nut from the bolt that holds the thimble to its place.

What is here claimed, and desired to be secured by Letters Patent, is—

The top or sliding cutter C formed with a bent rear edge, *b*, and provided with guiding-projections *cc*, in combination with the slots *dd* in the lower cutting-plate A, essentially as described.

ROBERT WYATT.

Witnesses:

FRED. HAYNES,
R. E. RABEAU.