

(No Model.)

T. TIERNEY.
COMBINED WRENCH AND OILER.

No. 528,574.

Patented Nov. 6, 1894.

Fig. 1.

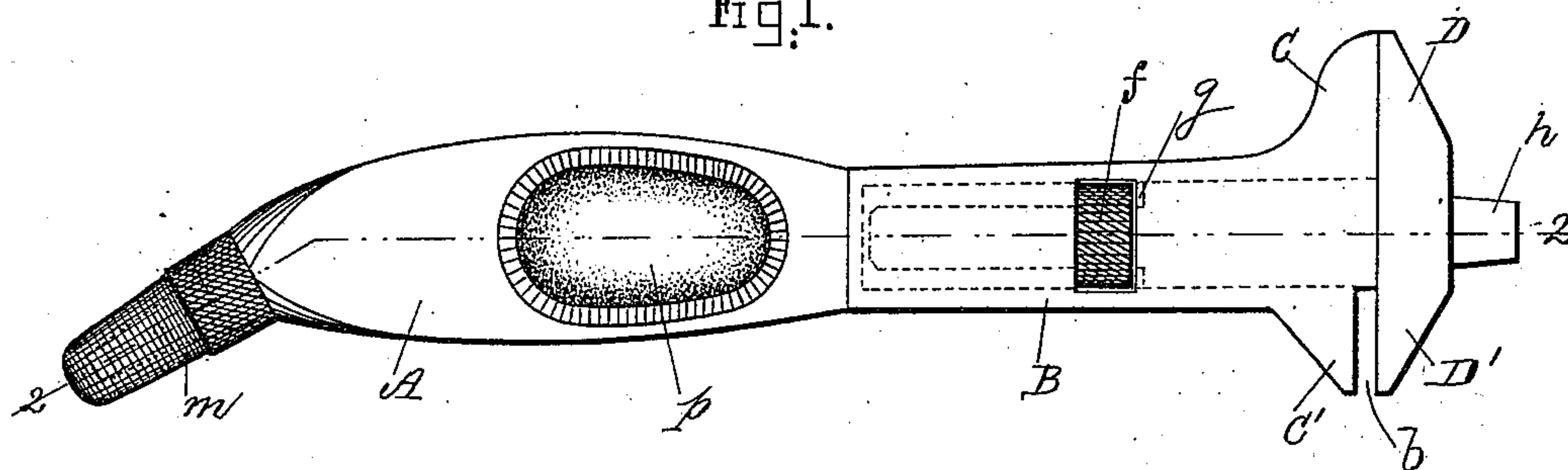


Fig. 2.

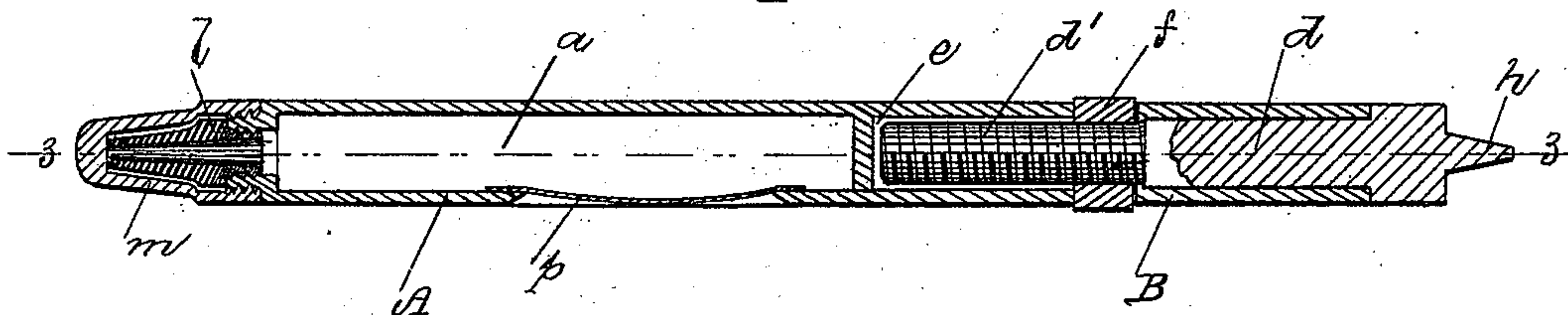
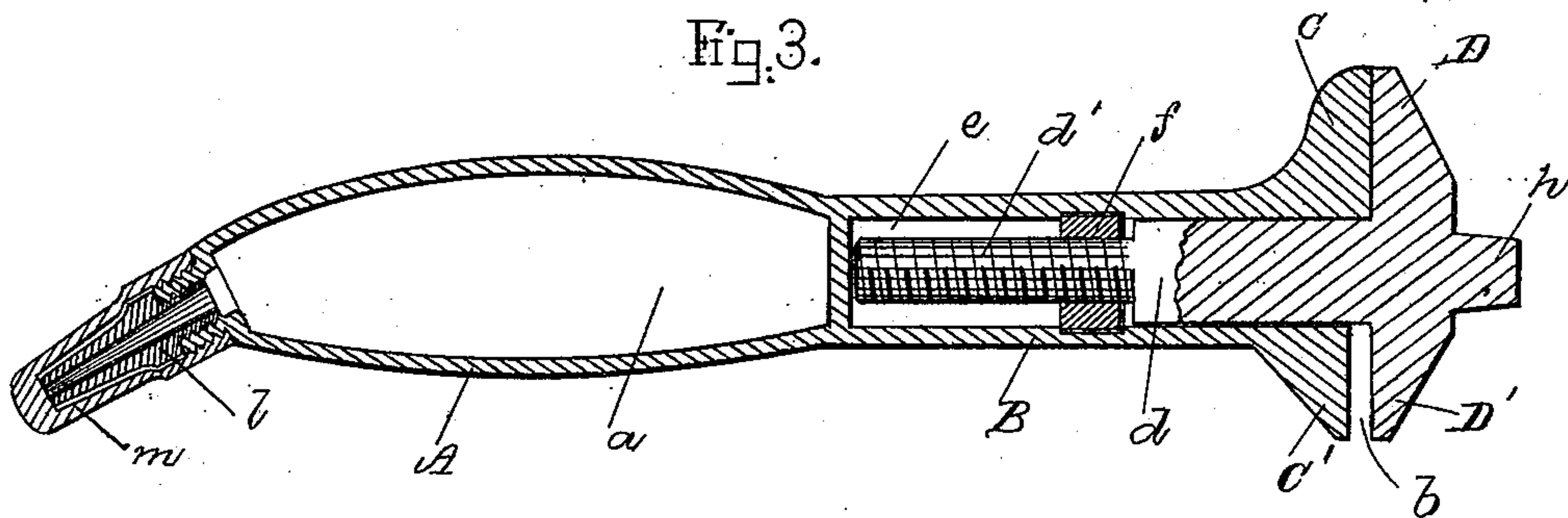


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

THOMAS TIERNEY, OF FOXBOROUGH, MASSACHUSETTS.

COMBINED WRENCH AND OILER.

SPECIFICATION forming part of Letters Patent No. 528,574, dated November 6, 1894.

Application filed March 1, 1894. Serial No. 501,926. (No model.)

To all whom it may concern:

Be it known that I, THOMAS TIERNEY, a citizen of the United States, residing at Foxborough, in the county of Norfolk and State of Massachusetts, have invented a new and useful Combined Wrench and Oiler, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to provide a combination tool for bicyclists compactly made and adapted to serve in place of several small tools such as are most frequently needed to keep the machine in order and to make repairs while on the road.

My invention consists in a combination wrench and oiler having the novel construction and combination of parts as will be more particularly described and claimed.

In the drawings, Figure 1 is a side view of my combination tool. Fig. 2 is a horizontal section on line 2 2 of Fig. 1. Fig. 3 is a vertical section on line 3 3 of Fig. 2.

A represents the handle of the wrench and B the stock terminating in the fixed jaw C C'. The movable jaw D D' is mounted on a shank d which slides in a socket e in the stock B, and terminates in a screw threaded stem d'. The thumb nut f set in a slot g extending laterally through the stock, receives the stem d' and by means of this thumb nut the movable jaw is operated. The movable jaw is formed with a tapering projection h which serves as a screw driver. The part C' of the fixed jaw is cut down, forming a mouth b when the movable jaw is screwed clear in so that it may be used as a wire bender, while the front portions of the jaws C D being close together, by reason of their thick cheeks are adapted for use as a hammer. When the movable jaw is moved out, the opening between the jaws on one side will be wider than on the other and will accommodate two sizes of nuts without extra adjustment. The handle A is hollowed out forming

a cavity a which serves as an oil receptacle and in the end of the handle is inserted a nozzle l over which is fitted a screw cap m. A portion of the side wall of the cavity is cut away and the opening formed thereby is covered by a convex spring plate p soldered firmly in place. When desired to use as an oiler, the screw cap is removed and by pressing on the spring plate the oil is ejected as with an ordinary spring bottom oiler.

The whole device is preferably made of metal, and the handle, stock and fixed jaw may be cast in one piece. The handle is no longer than would be needed for convenience to grasp, and at the same time by being hollowed in the manner shown and described it furnishes a sufficiently capacious oil receptacle for the purpose required, the whole device occupying no more space than would a simple wrench.

What I claim as my invention is—

A combined wrench and oiler having a hollow handle with closed bottom, a nozzle inserted in the outer end provided with a cap, and a spring plate inserted in one of the walls of the handle, a stock extension of the handle terminating in a fixed jaw a movable jaw mounted on a shank which has a screw threaded stem and a nut set in a slot in the stock which controls the movement of the movable jaw, the cheeks of the jaws which project on one side being thickened to serve as a hammer when closed together, one of the cheeks on the opposite side being cut back so that there is a space between them to serve as a wire bender, while the opposite side serves as a hammer without further adjustment, and a screw driver projection on the movable jaw, substantially as described.

THOMAS TIERNEY.

Witnesses:

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