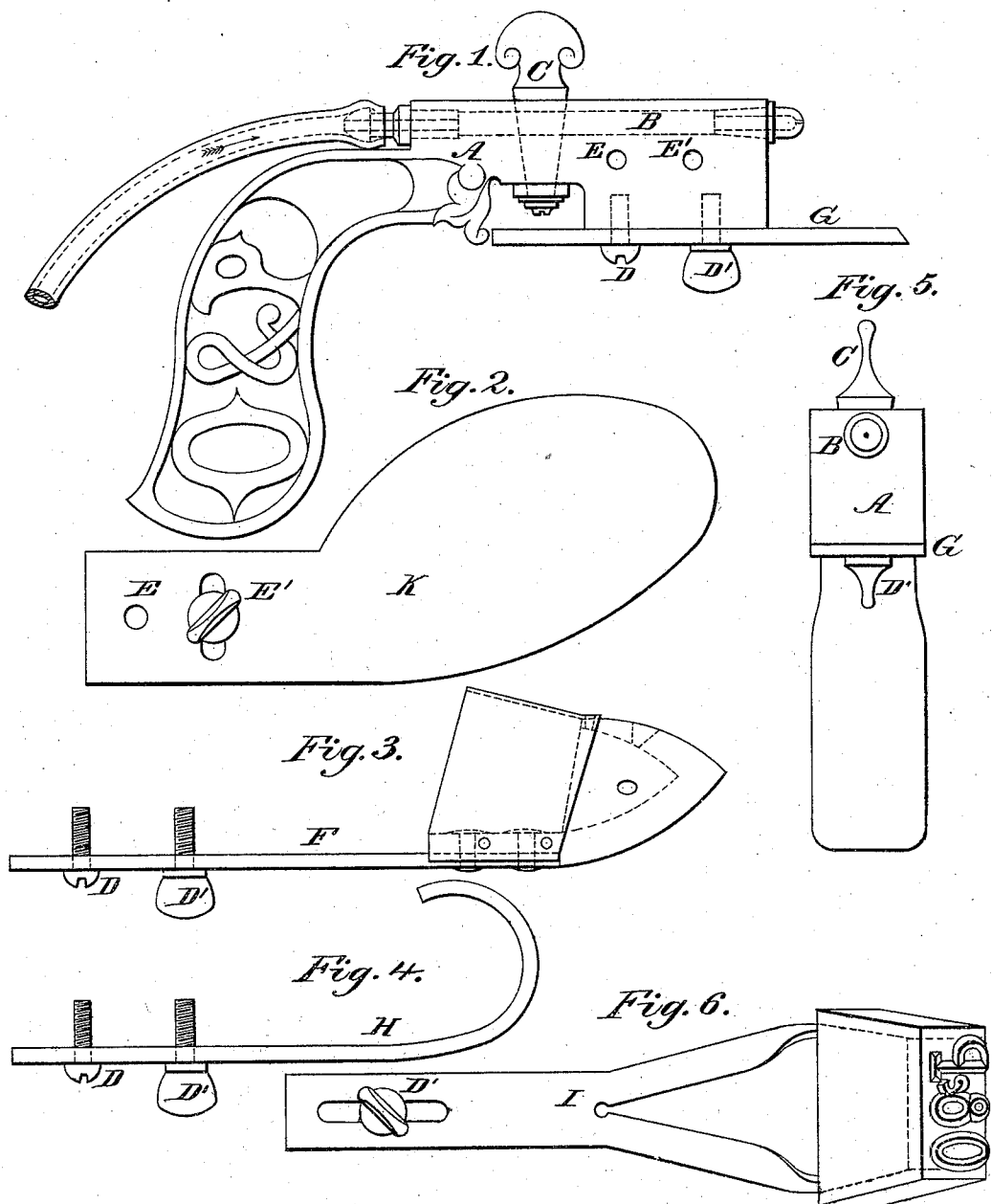


E. OMENSETTER & J. F. PARKER.

Compound Tools.

No. 138,683.

Patented May 6, 1873.



WITNESSES.

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ELHANAN OMENSETTER AND JOHN F. PARKER, OF PHILADELPHIA, PA.

IMPROVEMENT IN COMPOUND TOOLS.

Specification forming part of Letters Patent No. **138,683**, dated May 6, 1873; application filed March 15, 1873.

To all whom it may concern:

Be it known that we, ELHANAN OMENSETTER and JOHN F. PARKER, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Combination Tools; and we hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a view, in perspective, of the handle with the scraper attached. A shield, soldering-iron, filler and polisher, and branding-iron may be also interchangeably attached when desired. Fig. 2 is a view of the shield. Fig. 3 is a view of the soldering-iron. Fig. 4 is a view of the filler and polisher. Fig. 5 is a front view of the handle, and Fig. 6 is a view of the branding-iron.

This invention relates to an improved combination tool for removing paint from painted surfaces, soldering metals, filling crevices in, and polishing wooden and marble surfaces, and for branding; and it consists of a handle provided with a pipe or channel, having a stop-cock for receiving and regulating a flow of gas and conducting a jet of flame either upon the surface to be cleaned or upon the tool with which specific work is to be performed, as the circumstance requires, and a series of set-screws so arranged that a scraper, a shield, a soldering-iron, a filler and polisher, or a branding-iron may be used interchangeably with the handle.

In the drawing, A is the handle, provided with a shank for conveniently manipulating it. B is a pipe or channel, having a stop-cock, C, for receiving and regulating a flow of gas. Screw-holes for receiving the set-screws E E' traverse the handle A laterally. Others penetrate it from the under side to receive the set-screws D D'. The knife or scraper G has a slotted shank, through which the set-screws D D' pass to secure it to the handle A. The shield K may be secured to

either side of the handle A by the set-screws E E', as the nature of the work may require. The soldering-iron F is hollow, as indicated by the dotted lines, and the jet of flame from the burner on the front end of the pipe B, being directed into this hollow, heats the iron and keeps it heated as long as the flame is applied. The filler and polisher H has a narrow shank and a broad curved blade. The flame is directed against the concave side of the blade, thereby heating it. Wax is applied to the filler, and by it melted into the crevices in the marble or wooden surface to be filled and polished. The branding-iron I is hollow, as indicated by dotted lines, and is heated by directing the flame into the hollow. The shanks of F, G, H, I, and K are each provided with slots, through which the set-screws D D' or E E' pass to secure them to the handle A. A slotted plate of mica is placed between the shank of the tool to be attached and the bottom of the handle to prevent the heat generated by jet of flame from traveling back to the shank of the handle A.

When the scraper G is used a jet of flame is directed upon the surface from which the paint is to be removed, and the scraper, following, removes the paint. The shield K is used when it is desired to protect the surface at the side of the paint to be removed; and it may be used either on the right or the left side of the handle A.

Having thus described our invention, what we claim as new and useful, and desire to secure by Letters Patent, is—

The handle A, having the gas-tube B, stop-cock C, apertures E E', and screws D D', constructed and arranged as and for the purposes set forth.

ELHANAN OMENSETTER.
JNO. F. PARKER.

Witnesses:

JAMES M. ATCHISON,
THOMAS W. MASON.