B. F. HUGHSON.

# Utensil for the Manufacture of Polishing-Powder from Coal-Ashes.

No. 218,533. Patented Aug. 12, 1879.

Fig. 1.

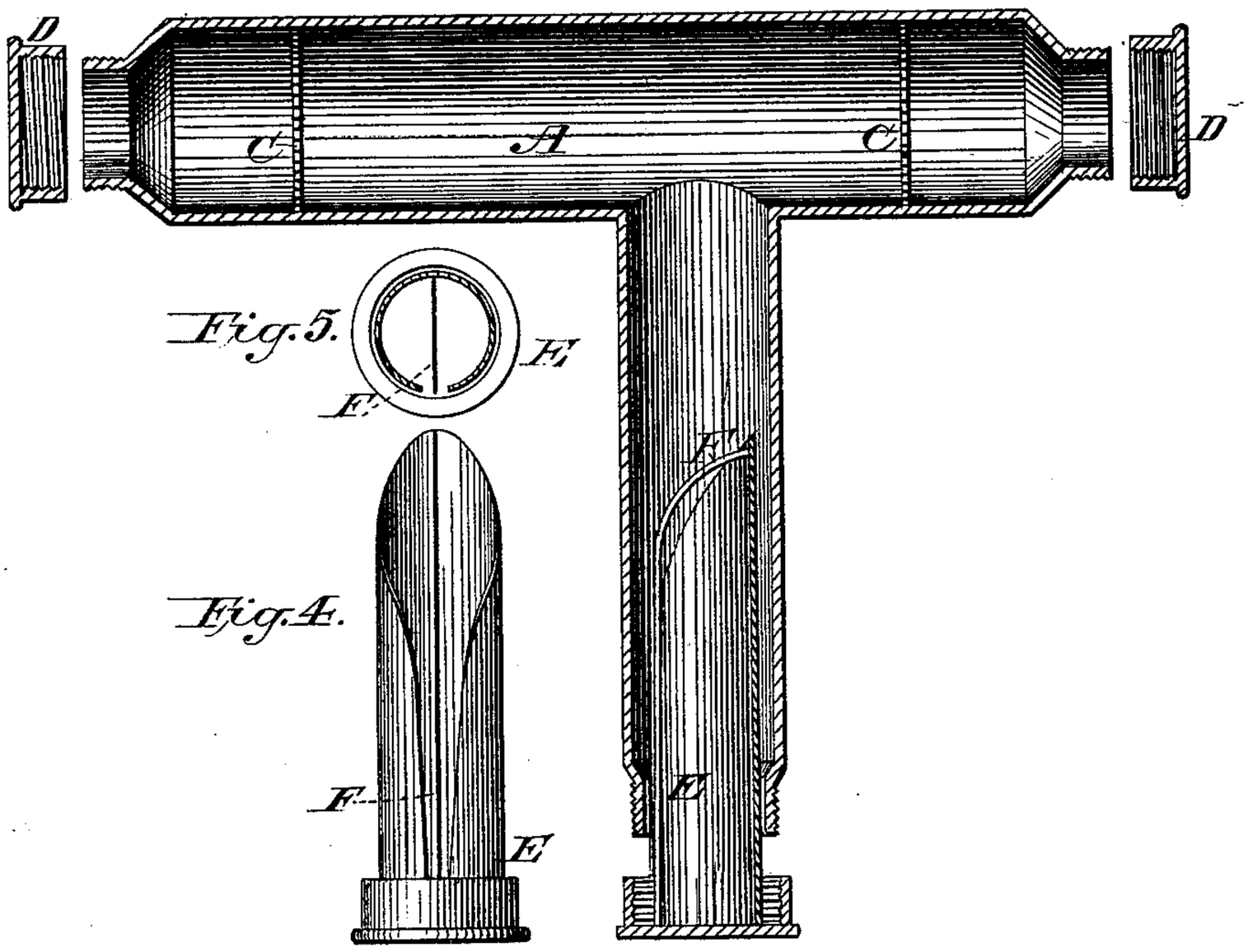



Fig. 5.




Fig. 4.




Fig. 2.

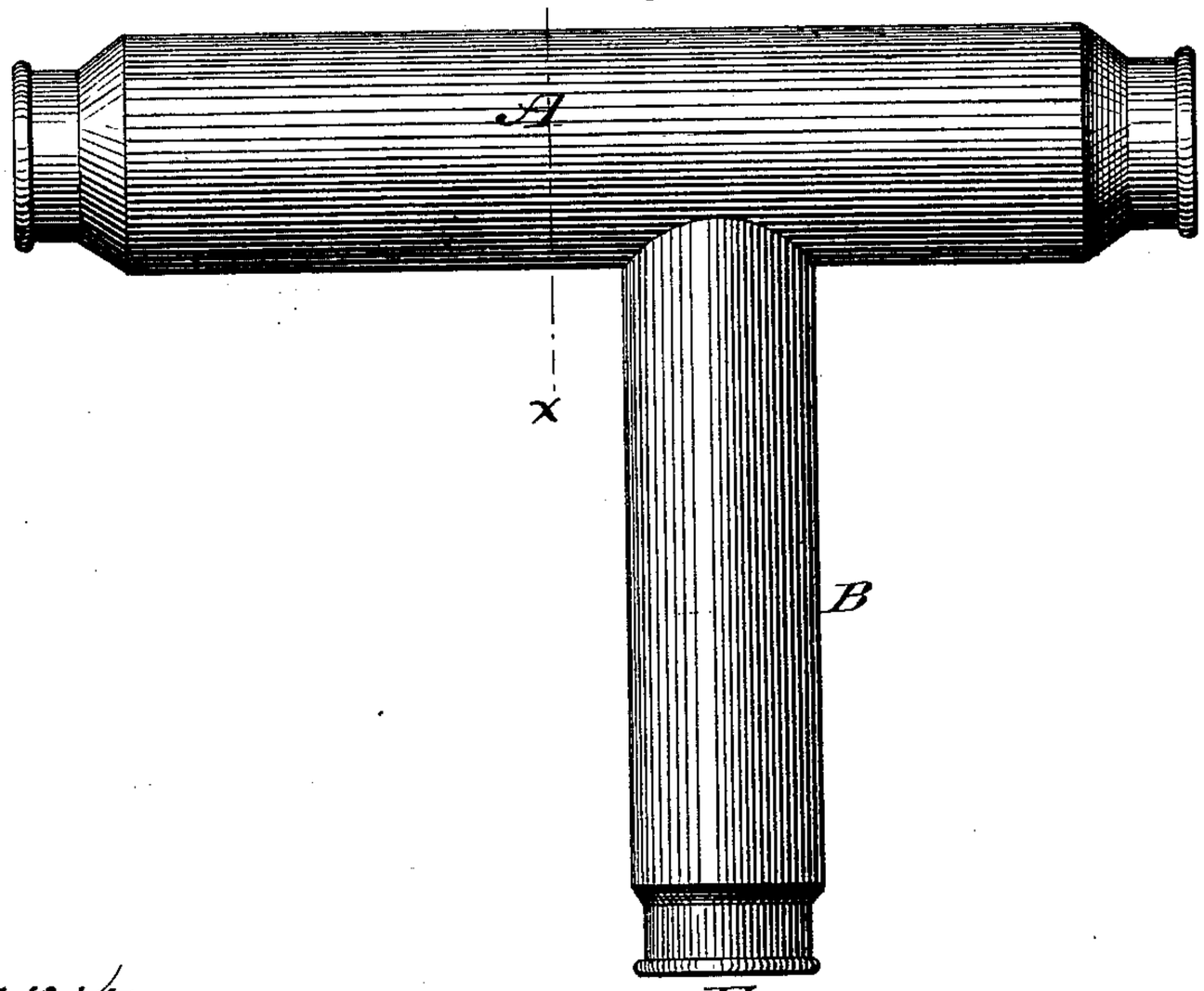
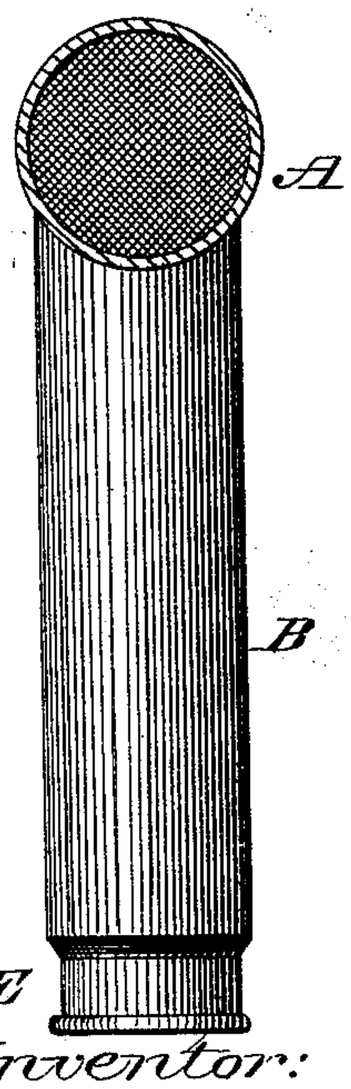



Fig. 3.




Witnesses:
Seymour B. Nelson.
Ward, B. Yeomans.

Inventor:
Benjamin F. Hughson

# UNITED STATES PATENT OFFICE.

BENJAMIN F. HUGHSON, OF COLD SPRING, NEW YORK, ASSIGNOR TO HIMSELF AND EDWARD BAXTER, OF SAME PLACE.

## IMPROVEMENT IN UTENSILS FOR THE MANUFACTURE OF POLISHING-POWDER FROM COAL-ASHES.

Specification forming part of Letters Patent No. **218,533**, dated August 12, 1879; application filed March 5, 1879.

*To all whom it may concern:*

Be it known that I, BENJAMIN F. HUGHSON, of Cold Spring, Putnam county, and State of New York, have invented a Utensil for the Manufacture of a Polishing-Powder from Coal-Ashes.

The object of my invention is to manufacture from coal-ashes a polishing-powder of superior quality, by the use of said utensil, by those skilled in the art; and I do declare that the following is a full, clear, and exact description of the said utensil, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a longitudinal section with the caps screwed off, showing the sectional line of sieves and charger. Fig. 3 is a cross-section of body at line *x x*, showing the face of one of the sieves. Fig. 4 is an external view of charger and wire. Fig. 2 is an external view with caps screwed on ready for use. Fig. 5 is a cross-section of charger, showing wire-separator.

The construction and operation of my invention, with reference to the drawings, are as follows—to wit:

A is a cylindrical case, with a cylindrical handle, B, made of tin or sheet metal, case and handle being air-tight. C is a sieve containing about eight thousand eight hundred meshes to the square inch. D is a cap closing, and which receives the finest powder ready for use. E is a tube secured to a cap which closes the end of the handle. F is a small wire running through the tube E secured and applied as shown in the drawings.

The mode of operation is as follows: The caps D are screwed on their respective ends. E, the charger, is filled with coal-ashes or other material for polishing-powder, the wire F being used to prevent large substances from filling up the charger and to separate the fine from the coarse ashes; then E is screwed on the end of the handle, the material falling into the cylindrical part containing the sieves. The material is rapidly thrown forward and backward by hand with a chuck motion, the material striking against the sieves. The particles of said material are reduced in size and pass through the sieves. When the operation is finished the caps D are taken off and the chambers are emptied of the prepared powder. The charger E is screwed off, and the residue in cylinder A is thrown out.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The body A, handle B, sieve C, caps D, charger and cap E, the wire-separator F, the whole constructed, combined, and operated as described, and for the purpose stated.

BENJAMIN F. HUGHSON.

Witnesses:

SEYMOUR B. NELSON,

WARD B. YEUMENS.