

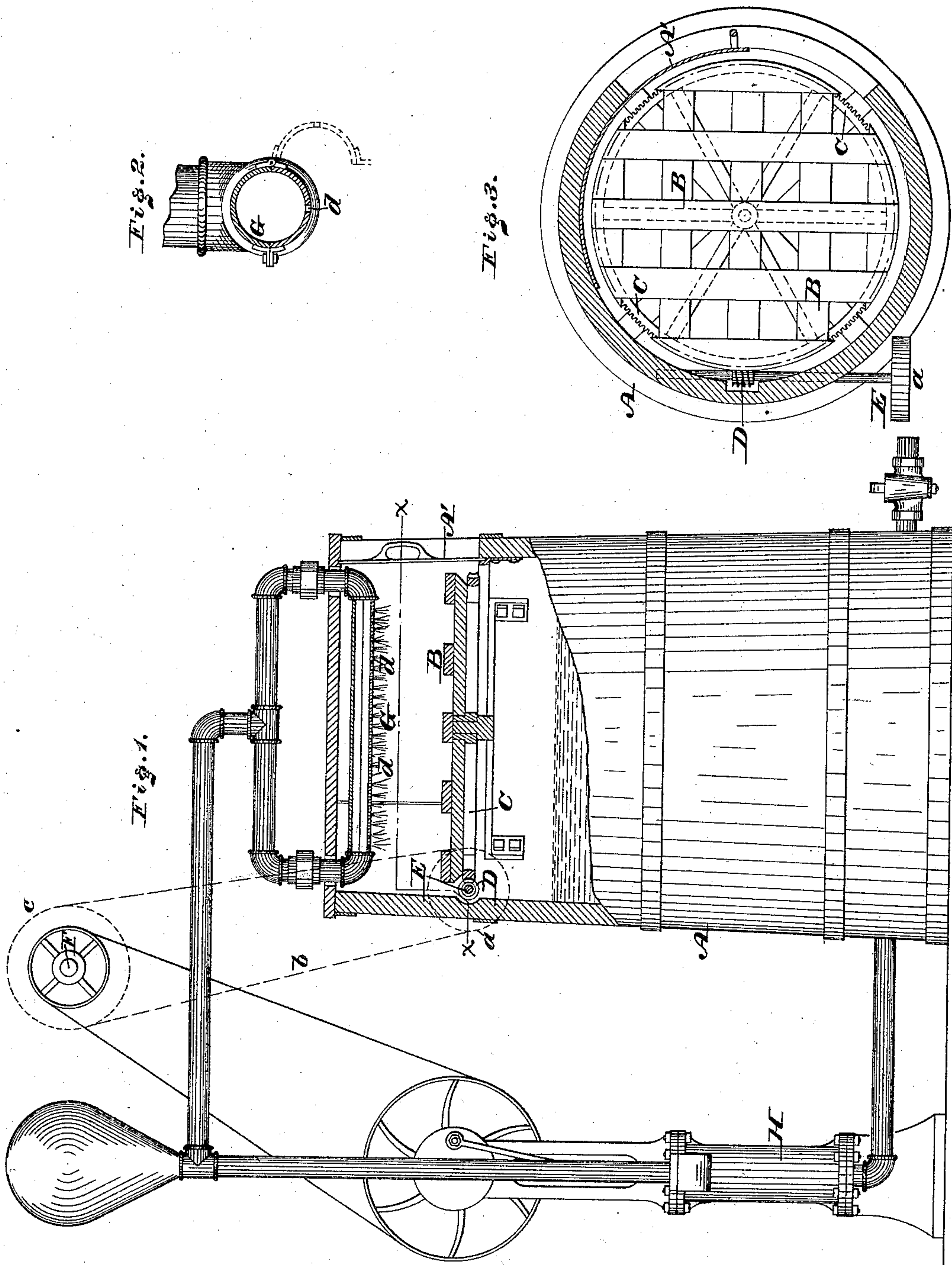
(No Model.)

E. H. HANSON.

MACHINE FOR WASHING ELECTROTYPE MOLDS.

No. 335,920.

Patented Feb. 9, 1886.



WITNESSES:

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MACHINE FOR WASHING ELECTROTYPE-MOLDS.

SPECIFICATION forming part of Letters Patent No. 335,920, dated February 9, 1886.

Application filed November 4, 1884. Serial No. 147,175. (No model.)

To all whom it may concern:

Be it known that I, EDWARD H. HANSON, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Machines for Washing Electrotypes-Molds, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a side elevation, partly broken away and partly sectional, of a machine for washing electrotypes-molds embodying my invention. Fig. 2 represents a transverse section of a detached part thereof on an enlarged scale. Fig. 3 represents a horizontal section thereof in line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a machine for washing electrotypes-molds after they have been subjected to the black-leading operation, the same accomplishing the work in a rapid and reliable manner, as will be hereinafter fully set forth.

Referring to the drawings, A represents a tank or casing, within which is mounted a rotary table, B, and C represents a worm-wheel or annulus, which is connected with said table B and engages with a worm, D, whose shaft E is suitably mounted on the cylinder A and receives power, in the present case, by means of a pulley, *a*, on the shaft E, a belt, *b*, and pulley *c* on a shaft, F, which is operated by any suitable motor. In lieu of the worm and worm-wheel D C, I may employ bevel-wheel or other gearing.

Supported within the tank A, and located above the table B, is a sprinkler, G, which is of the form of a pipe, having in its lower portion perforations *d*, permitting the water to pass through in the form of jets or spray in the direction of the table B. The pipe or sprinkler G is connected with a pump, H, which, as shown in the drawings, is operated by means of a wheel connected by a belt to shaft F, though it may be operated in any proper manner, the said pump driving the water or other fluid employed with great pressure into said sprinkler, from which it is forcibly discharged through the perforations *d*. For convenience in cleaning the sprinkler, I construct the same of two parts properly hinged together and provided with suitable fastenings, as shown in Fig. 2.

The operation is as follows: After an elec-

trotype-mold has been subjected to a black-leading machine or operation it is introduced through an opening having a door, A', in the tank A into the washing-chamber and placed on the table B. A suitable quantity of water having been placed in the lower part of the tank A, the door A' is shut, thus preventing any splashing outside of the water from the sprinkler. Power is now applied to the shaft F and the pump is set in motion, and as the table rotates the water or other cleaning-fluid leaving the sprinkler G is forcibly directed against the mold in the form of jets or streams, and thus thoroughly washes and cleanses the same. Attached to the lower portion of the tank is a cock, by means of which the water is drawn therefrom when it becomes unfit for use. If the perforations in the sprinkler should become filled or clogged by the impurities in the water, said sprinkler may be opened and the impurities removed. When the mold has been sufficiently cleansed, the pump is stopped, the door A' opened, and the cleansed mold removed, when another mold may be placed therein and subjected to the same washing operation.

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

1. A tank provided with a rotary table for holding an electrotypes-mold, and a sprinkler for directing water against the said mold.

2. A tank provided with a mold-supporting table, gearing for rotating the same, a sprinkler within the casing above the table, and a pumping device for discharging water into the sprinkler, said parts being combined and arranged as described, forming a machine for washing electrotypes-molds, as stated.

3. A tank having an inlet and an outlet pipe, in combination with a table located within the said tank and provided with the toothed wheel C, and the shaft E, having worm D and pulley *a* thereon, substantially as and for the purpose set forth.

4. A tank having inlet and outlet pipes and provided with a table and a sprinkler located above said table, both sprinkler and table being inclosed within said tank, substantially as and for the purpose set forth.

EDWARD H. HANSON.

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