No. 885,069. PATENTED APR. 21, 1908.

E. H. MULLIKIN.

SANDING MACHINE.

APPLICATION FILED JULY 5, 1907.

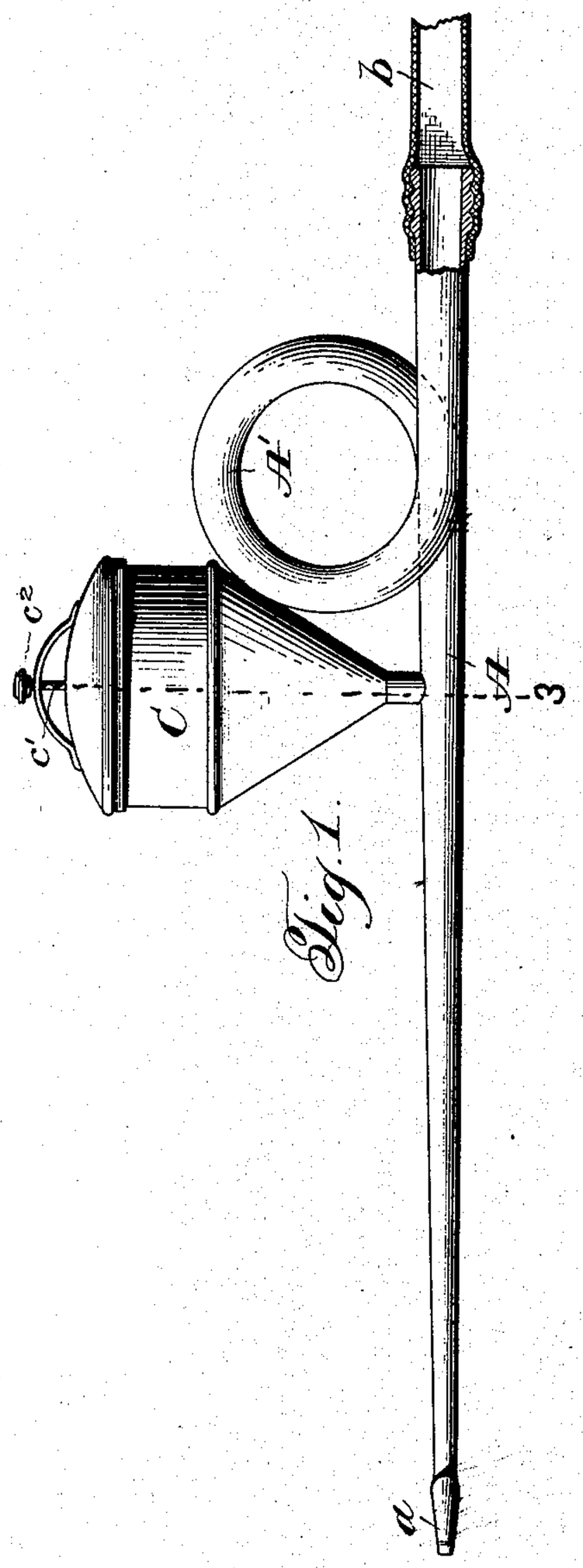

Fig. 1.

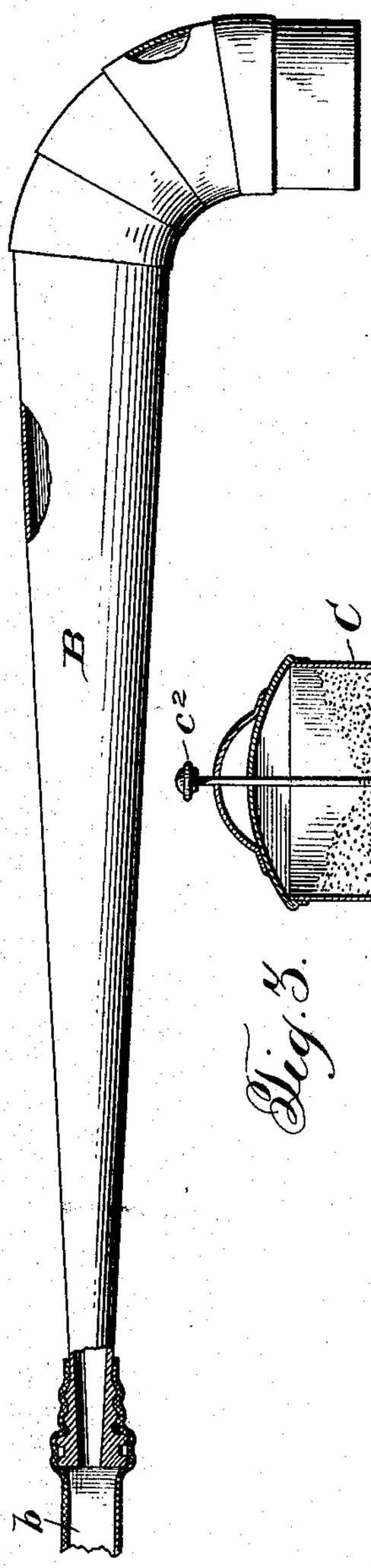

Fig. 2.

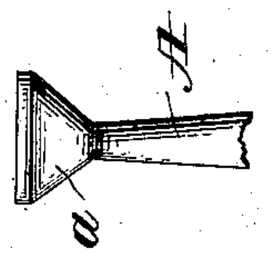

Fig. 4.

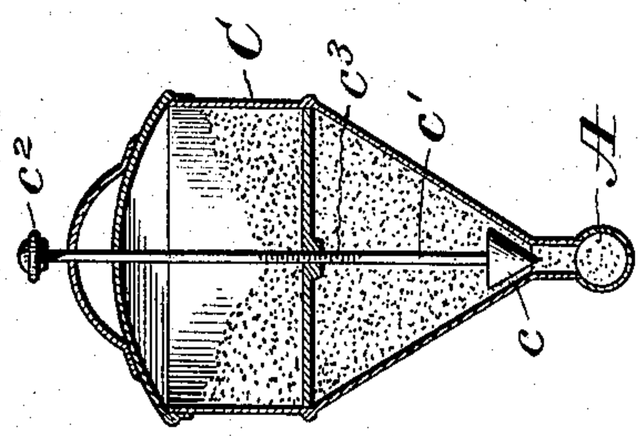

Fig. 3.

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UNITED STATES PATENT OFFICE.

ELLIE HUGH MULLIKIN, OF DALLAS, TEXAS.

SANDING-MACHINE.

No. 885,069. Specification of Letters Patent. Patented April 21, 1908.

Application filed July 5, 1907. Serial No. 382,279.

To all whom it may concern:

Be it known that I, ELLIE HUGH MULLIKIN, citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented certain new and useful Improvements in Sanding-Machines, of which the following is a specification.

This invention relates to an improvement in sanding machines and more particularly to machines of this character which are utilized for applying sand to freshly painted surfaces.

The object of the present invention is the provision of a device of this character in which a sand box or receptacle is carried by and communicates with a distributing nozzle which may be connected to any suitable source of air supply.

A further object of the invention is the provision in a device of this character of means for cutting off the communication between the sand box and the distributing nozzle at will, and means for preventing any sand which may be in the distributing nozzle from falling into the blower or air pump when the supply of air therefrom is cut off.

Other objects of the invention will be apparent from the detailed description hereinafter when read in connection with the accompanying drawings forming a part hereof, wherein a preferable embodiment is shown and wherein like numerals of reference refer to similar parts in the several views.

In the drawings, Figure 1 is a side elevation of the distributing nozzle of my improved machine, Fig. 2 is a side elevation of the delivery pipe which extends from the blower or air pump and is designed to be connected by flexible tubing with the inlet end of the distributing nozzle, Fig. 3 is a cross section on line 3—3 of Fig. 1.

Referring now more particularly to the drawings, A designates the distributing nozzle of my improved sanding machine, which is in the form of a pipe, the outlet end of which is restricted and is provided with a discharge tip *a* having a relatively wide opening therein so that the sand will be delivered from said nozzle in a thin stream, and the rear end of which is adapted to be connected by a flexible tubing *b* to a discharge pipe B, which communicates with the outlet of a fan blower or other suitable air-forcing device. The outlet end of the pipe or tube B is preferably restricted so that the air from the blower will enter the flexible tubing *b* in the form of a strong jet.

The distributing nozzle A has secured thereto intermediate the ends thereof, in any suitable manner, a sand box C. The sand box C is in the form of an inverted cone, the apex of which constitutes a restricted outlet which communicates with the interior of the distributing nozzle A and permits the sand in said box to be discharged directly into said nozzle. The delivery of sand box C into the distributing nozzle A is controlled by means of a conical valve *c* which is designed to cooperate with a suitable valve seat adjacent the outlet of the sand box. Extending from the valve *c* is a valve rod *c'*, the upper end of which projects through the cover of the sand box and is provided with a suitable knob or handle c^2 to permit of the actuation of said rod. The rod *c'* is provided intermediate its ends with a threaded portion c^3 which engages a threaded aperture formed in a cross bar which is secured within the interior of the sand box C. From this construction it will be apparent that by manipulating the knob or handle c^2, the valve *c* may be regulated to permit the sand in the sand box C to flow with any desired degree of rapidity into the distributing nozzle A or to cut off the flow of sand entirely.

The tube or pipe forming the distributing nozzle A is provided intermediate the sand box C and the inlet end thereof with an offset portion, which in the form of machine illustrated in the drawings, is in the form of a coil or wrap A'. The coil or wrap A' constitutes a handle fort he manipulation of the distributing nozzle by the operator and also a brace for the support of the sand box C, the casing of which is soldered or otherwise rigidly attached to the adjacent portion of said coil. The coil A' also prevents any sand which may be in the distributing nozzle when the blast of air from the blower is cut off from falling into said blower and thereby injuring the same.

Any desired means may be employed for cutting off the flow of air from the blower when desired.

I do not desire to limit myself to the precise form and constructions shown in the drawings, as it is obvious that many minor changes might be made thereto without departing from the spirit of the invention as defined in the appended claims.

Having thus described the invention what is claimed is:

1. In a sanding machine, a distributing tube having a coil or wrap therein, a sand box communicating with said tube in advance of the coil therein, and an air-forcing device communicating with said tube in rear of the coil therein.

2. In a sanding machine, a distributing tube, and a sand box carried by said distributing tube and communicating therewith, said distributing tube being provided with an offset portion in rear of the said box constituting a handle.

3. In a sanding machine, a distributing pipe provided at its outlet end with a nozzle, and a sand box carried by said pipe and communicating therewith, said pipe being provided with an offset portion in rear of said sand box.

4. In a sanding machine, a distributing pipe provided with a nozzle at the outlet end thereof, and a sand box carried by said pipe and communicating therewith, said pipe being provided with a coil therein in rear of said sand box.

5. In a sanding machine, a rigid distributing tube provided with a coil intermediate the ends thereof, a sand box carried by said tube and communicating therewith in advance of said coil, said coil being rigidly secured to said sand box to constitute a brace therefor.

6. In a sanding machine, a rigid distributing tube provided with a nozzle at the discharge end thereof and with a coil intermediate the ends thereof, a sand box carried by said tube and communicating therewith in advance of the coil, and a valve controlling the flow of material from said sand box to said tube.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ELLIE HUGH MULLIKIN.

Witnesses:

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WM. A. CATHEY.