

J. MULLALY.
Machines for Melting Snow.

No. 136,854.

Patented March 18, 1873

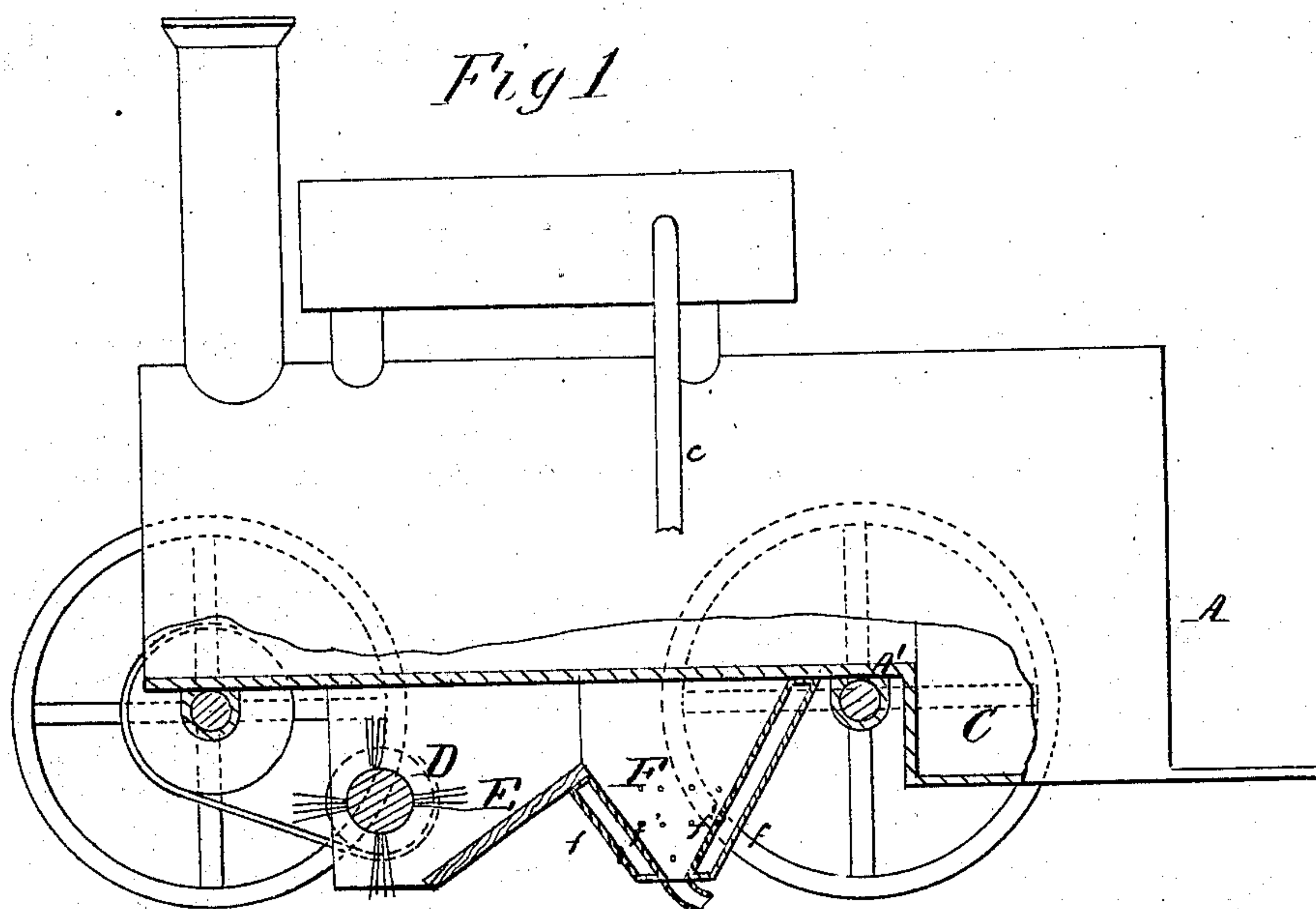
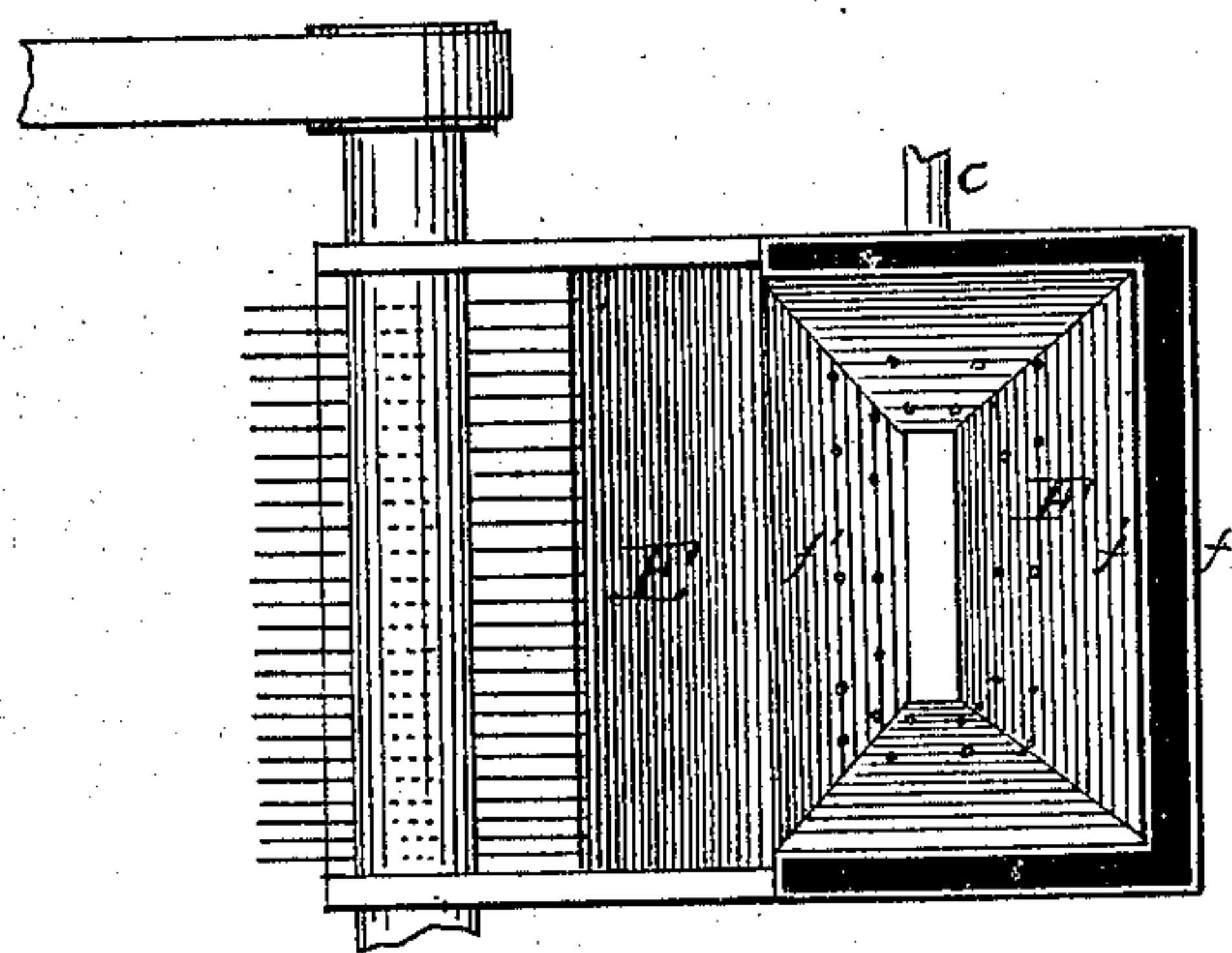


Fig 2



Witnesses.
E. Connolly.
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UNITED STATES PATENT OFFICE.

JOHN MULLALY, OF NEW YORK, N. Y.

IMPROVEMENT IN MACHINES FOR MELTING SNOW.

Specification forming part of Letters Patent No. **136,854**, dated March 18, 1873.

To all whom it may concern:

Be it known that I, JOHN MULLALY, of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Machines for Melting Snow; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing which forms part of this specification.

Referring to the drawing, Figure 1 is a side elevation and partial section of my invention, and Fig. 2 is a detail view.

My invention has relation to machines for melting snow; and consists in the construction and novel arrangement of devices by which the snow is swept by a revolving brush or brushes into a large funnel having perforated walls and therein melted and afterward allowed to flow out in the form of a current of water, all as hereinafter described.

Referring to the drawing, A shows a snow-machine constructed with my improvements, having a frame, A', mounted upon traction-wheels B B, which may be flanged, if desired, so as to adapt them to railways. C represents a furnace and boiler for generating steam. There may, if desirable, be a steam-drum located above the boiler, or the steam used in

melting or for propulsion may be taken directly from the boiler. D represents a revolving brush or brushes located beneath boiler, and arranged to sweep the snow up an inclined plane or chute, E, into a funnel-shaped receptacle, F, which is formed, as shown, with double walls ff' , the latter being perforated, or provided with open projections, as shown. Communication is had between the receptacle F and the boiler or drum by means of pipes c , which convey the steam into the chamber between the walls ff' , whence it is discharged upon the snow collected in the funnel F, and the snow, being thereby rapidly melted, flows off in water, the discharge-pipe being straight or curved, as desired.

Claim.

I claim—

A machine for melting snow having a brush or brushes, D, and a receptacle for receiving the snow and melting the same, substantially as shown and set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of February, 1873.

JOHN MULLALY.

Witnesses:

GEO. C. SHELMEKDINE,
M. DANL. CONNOLLY.