

Machines for Melting Snow.

Patented March 18, 1873.

The diagram illustrates a mechanical assembly with three rods. The top part shows a cross-section of the rods, which are labeled 1, 2, and 3 from left to right. Rod 1 is the central rod, and rods 2 and 3 are the side rods. The rods are supported by a base. The bottom part shows a longitudinal view of the rods, with the central rod (1) and the side rods (2 and 3) clearly visible. The rods are connected by a central component, possibly a nut or a washer, which is shown in a cross-section. The diagram is a technical drawing, likely from a patent or a technical manual.

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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. **136,931**, 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.

In the drawing, Figure 1 is a vertical longitudinal section of my invention, and Fig. 2 is a detail view.

This invention has relation to snow-melters; and consists in the construction and novel arrangement of perforated cylinder-brushes having communication with a steam-boiler, substantially as hereinafter described.

Referring to the drawing, A represents the frame of a snow-machine constructed with my improvements. It is 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, and D a steam-drum located thereon. E E represent a series of hollow cylinders arranged beneath the furnace either laterally, obliquely, or longitudinally. These cylinders

communicate by pipe connections with the drum D, and the steam conveyed therefrom is discharged through the perforations or open projections *e e* upon the snow.

In order to render the operation of these cylinders more effective I provide them with brushes, as shown in the drawing; and the steam being expelled thereon will heat and saturate them, thereby facilitating the melting of the snow.

The cylinders may be driven by a gear or equivalent connection with the traction-wheels or by direct communication with the steam-chest, and the machine itself may be impelled by steam or drawn by animal power.

Claim.

In a snow-melting machine, a series of perforated revolving cylinders, constructed and operating substantially as herein described, and made either with or without brushes, as 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. SHELMERDINE,
M. DANL. CONNOLLY.