

R. S. VAN ZANDT.
SNOW-PLOW.

No. 177,177.

Patented May 9, 1876.

Fig. 1.

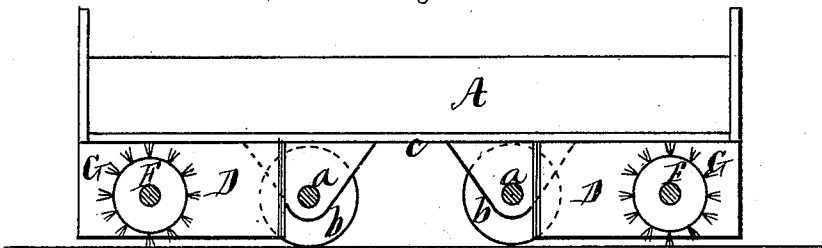
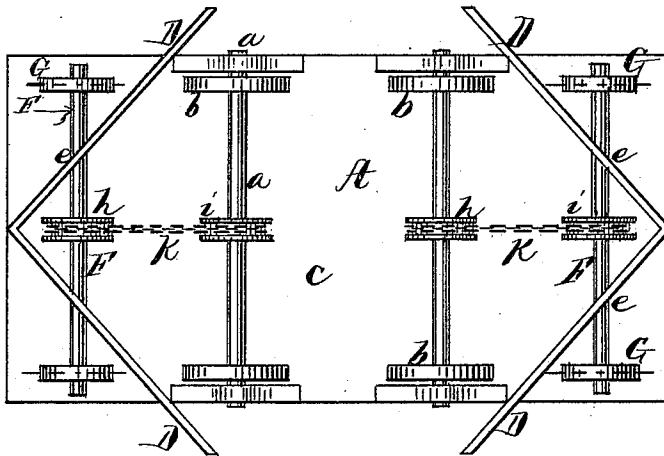


Fig. II



Witnesses:
Franklin Barritt.
Richard Gerner.

Inventor:
Robert S. Van Zandt.
Per: Henry Gerner.
att'y

UNITED STATES PATENT OFFICE.

ROBERT S. VAN ZANDT, OF WILLIAMSBURG, ASSIGNOR OF ONE-HALF HIS
RIGHT TO GEORGE BOYD, OF NEW YORK, N. Y.

IMPROVEMENT IN SNOW-PLOWS.

Specification forming part of Letters Patent No. 177,177, dated May 9, 1876; application filed
June 15, 1875.

To all whom it may concern:

Be it known that I, ROBERT S. VAN ZANDT, of Williamsburg, Kings county, State of New York, have invented certain Improvements in Snow-Plows, of which the following is a specification:

The object of my invention is to provide for the breaking up of the snow in front of a railroad snow-plow, so that the plow can more readily push the snow off from the track.

My invention consists in placing a revolving axle, with a number of brushes and arms attached to the same, in the front part of the plow. This axle is placed in holes cut through the sides of the plow, and, being parallel to the wheel-axle, is revolved either by an endless belt or by gearing-wheels placed on both axles and meshing into each other. The axle with the arms and brushes in the fore part of the plow, thus made to revolve with the wheel-axle, will break up the packed snow which presses against the sides of the snow-plow, and in such a loose state the snow will be easily pushed from the track.

In order to be able to run the snow-plow back and forth on a railroad-track without turning the plow around, I place a snow-plow in front of each pair of car-wheels, with the front ends pointing to the front of the cars. These plows are thus in every respect similar to each other, as above described.

By this arrangement the brushes and arms

on the axle in the rear will serve to remove any loose snow laying on the track.

In order to more fully describe my invention, I refer to the accompanying drawing, forming a part of this specification.

Figure I is a side view of a snow-plow embodying my invention. Fig. II is a bottom view of the same.

A represents a railroad-wagon with axles *a a* and wheels *b b*. To the bottom *c* of the wagon A are attached the snow-plows D D. In the holes or journals *e e* are placed the axles F F, provided with a number of brushes and arms, G G. To the axles *a* and F are keyed pulleys *h* and *i*, over which the endless belt K is placed.

Having thus described my invention, I desire to claim—

A track-clearer, supported upon wheels *b* and axles *a*, arranged between a pair of plows, D D, and having axles F provided with brushes and arms G, revolved by pulleys *h* and endless belts K, the axles F being parallel to the driving-axles *a*, and passing through journals *e* in the plows D, and supporting their brushes or arms G by the sides of the plows D and over the rails of the track, substantially as shown and described.

ROBERT S. VAN ZANDT.

Witnesses:

ANTON C. CRONDAL,
FRANKLIN BARRITT.