

R. G. LITTLE.
SNOW-PLOW.

No. 186,740.

Patented Jan. 30, 1877.

Fig. 2

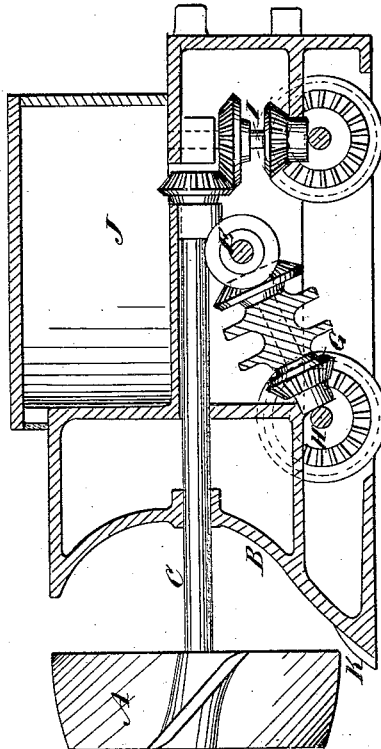


Fig. 4

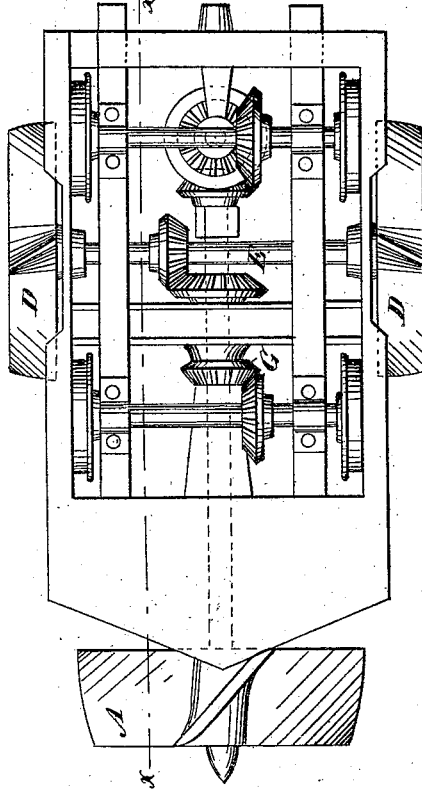


Fig. 1

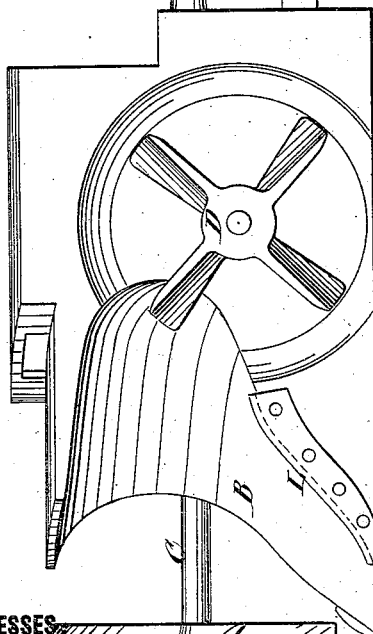
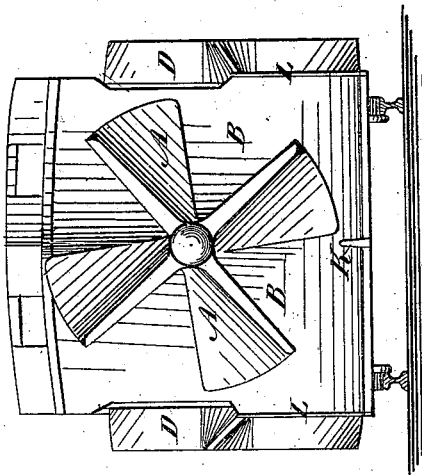


Fig. 3



WITNESSES

C. Nevada
John Cothale

INVENTOR:

R. G. Little

BY

Wm. H. Little
ATTORNEYS.

UNITED STATES PATENT OFFICE

ROBERT G. LITTLE, OF HALIFAX, NOVA SCOTIA, CANADA.

IMPROVEMENT IN SNOW-PLOWS.

Specification forming part of Letters Patent No. **186,740**, dated January 30, 1877; application filed May 27, 1876.

To all whom it may concern :

Be it known that I, ROBERT G. LITTLE, of Halifax, Nova Scotia, Dominion of Canada, have invented a new and Improved Snow-Plow, of which the following is a specification:

My invention relates to snow-plows provided with a screw-fan, projecting in advance of the plow on a horizontal shaft, by which it is revolved, so as to materially assist in throwing the snow off at and back along the sides of the plow, and with a screw-fan on each side of the plow, to receive the snow from the front and project it off at the sides, said fans being turned by a shaft arranged transversely of the machine, and together with the shaft of the front wheel, and either with the axles of the snow-plow, or with an engine to be carried on the plow for the purpose of turning them.

Figure 1 is a side elevation of a snow-plow constructed according to my invention. Fig. 2 is a longitudinal sectional elevation, taken on the line *x x* of Fig. 4. Fig. 3 is a front elevation, and Fig. 4 is a plan, of the plow inverted.

A is the screw-fan, projecting from the front

of the plow B on the shaft C, and D represents the screw-fans, projecting from each side of the machine, just behind the mold-boards of the plow, to receive the snow from them and project it off at the sides of the road. These side fans are mounted on the transverse shaft E, which, in this example, is geared by counter-shafts G with the front axle of the plow, while the shaft C is geared with the hind one by the counter-shaft I; but, if preferred, an engine may be mounted in the cabin J of the plow specially for driving the fans, steam being furnished to it from the boiler. K and L represent cutters, which I propose to attach to the plow for cutting the snow when packed hard.

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

A snow-plow consisting of the front spiral fan A, the plow B, and the side-projecting spiral fans D D, all constructed and arranged substantially as and for the purpose specified.

ROBERT GEORGE LITTLE.

Witnesses:

W. H. NAUFFTS,
JAS. W. CALDWELL.