

# UNITED STATES PATENT OFFICE.

JOSEPH CORBETT, OF NEW YORK, N. Y., ASSIGNOR TO GEORGE H. HOBART,  
OF JERSEY CITY, NEW JERSEY, AND SAMUEL G. DONALDSON, OF NEW  
YORK, N. Y.

## SNOW-PLOW.

SPECIFICATION forming part of Letters Patent No. 395,548, dated January 1, 1889.

Application filed February 13, 1888. Serial No. 263,761. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH CORBETT, of the city, county, and State of New York, have invented a new and Improved Snow-Plow, of which the following is a full, clear, and exact description.

This invention relates to snow-plows of the class wherein a revoluble blade-carrying hub or head is employed to gather and subsequently throw the snow to one side of the path of the plow, the main object of the invention being to provide for the positive rotation of the blade-carrying hub or head irrespective of the movement of the plow-carriage; but other objects are aimed at and secured by the construction illustrated in the drawings, and hereinafter specifically described.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the plow. Fig. 2 is a side view of the same. Fig. 3 is an enlarged sectional detail view of the power-wheel, the view being taken on line  $xx$  of Fig. 2. Fig. 4 is an enlarged view of the plow-carriage, the hood, case, and the hub or head being shown in section on line  $yy$  of Fig. 2. Fig. 5 is a front view of the plow, and Fig. 6 is a sectional elevation on line  $zz$  of Fig. 1.

The mechanism of the plow illustrated in the drawings above referred to is supported by a frame made up of side bars, 10, a rear cross-bar, 11, arms 12 and 13, which extend, respectively, upward and downward from the forward ends of the side bars, a hoop, 14, that is supported by the arms 12 and 13, and a U-shaped bracket, 15, which projects forward somewhat beyond the hoop 14. This frame is mounted on wheels 16, the journals of which are secured to the side bars, 10.

To the hoop 14 there is secured a metallic sheathing, 17, which is provided with a flaring hood, 18, the lower edge of which is supported by an inwardly-curved cross-bar, 19, that is connected to runners 20, which said runners are in turn connected to the hoop 14 by bars 21, the arrangement being such that when the runners rest upon the sidewalk or

other place over which the plow is being operated the lower forward edge,  $a$ , of the hood 18 will closely approach said sidewalk.

The hood 18 is not connected directly to the case or sheathing 17, but is connected to a flange,  $i$ , that is secured to the forward edge of the casing, this flange forming a housing, within which the operating-head revolves, as will be hereinafter more fully explained.

As before stated, the bar 19 is inwardly curved, the general curve of the bar, however, being broken at the center, at which point the bar is U-shaped, this construction providing for a free space just below the forward end of the cutter-head. The lower portion of the flange  $i$  is cut away, as shown in the drawings, thus providing for the free entrance of snow, as will be readily understood.

A horizontal shaft, 23, is mounted in bearings formed in the cross-bar 11 and the bracket 15, and this shaft carries a sleeve, 24, that is formed with a bevel-faced flange, 25, to which there is riveted or otherwise secured a cone-shaped head, 26, that is provided with a vertical annular flange, 27, which said flange closely approaches the inner face of the case formed by the sheathing 17, the flange being arranged just in advance of the hoop 14.

To the outer face of the cone-shaped head 26 there is secured a series of radially-extending blades, 28, the forward edges of which are curved over to one side, said edges, however, being inclined to the rear from the forward end of the head, while the outer edges,  $b$ , of the blades are substantially parallel with the shaft 23 and closely approach the inner face of the case 17. The extreme forward end of the sleeve 24 is topped to receive the threaded shank of a bolt, 29, the head of which is conical and forms the apex of the head 26.

In the case 17 there are two openings, 2 and 3, over which there are placed hoods 30 and 31, and in connection with these openings there is arranged a cover, 32, which slides in ways upon the outside of the case 17, and which may be moved to the position shown in Fig. 6 to close the opening 3, or which may be lowered to close the opening 2, as will be readily understood.

# J. CORBETT. SNOW PLOW.

No. 395,548.

Patented Jan. 1, 1889.

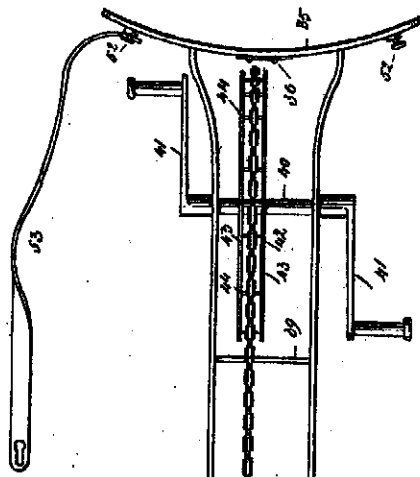


Fig. 1.

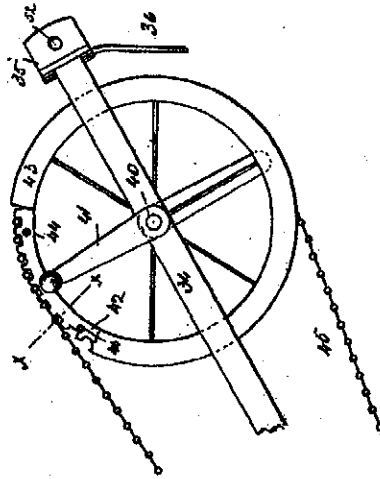


Fig. 2.

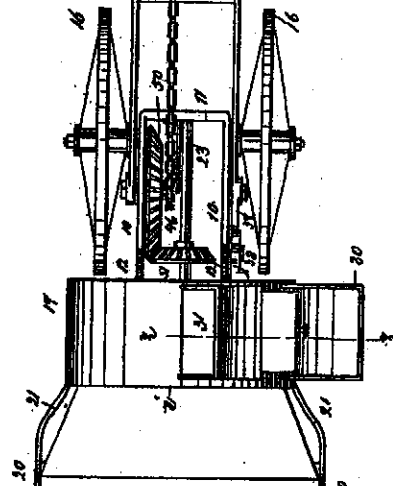
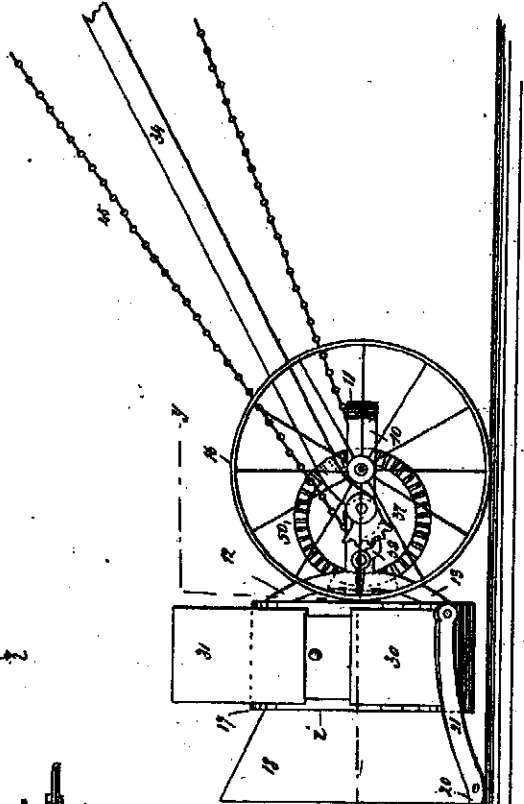


Fig. 3.



WITNESSES:  
*Chas. D. Fowler.*  
*James H. White.*

INVENTOR:  
*Joseph Corbett,*  
 BY  
*John C. Linn,*  
 ATTORNEY.