(No Model.)

W. H. HICKS.

SNOW SHOVEL.

No. 342,961. Patented June 1, 1886.

Fig. 1

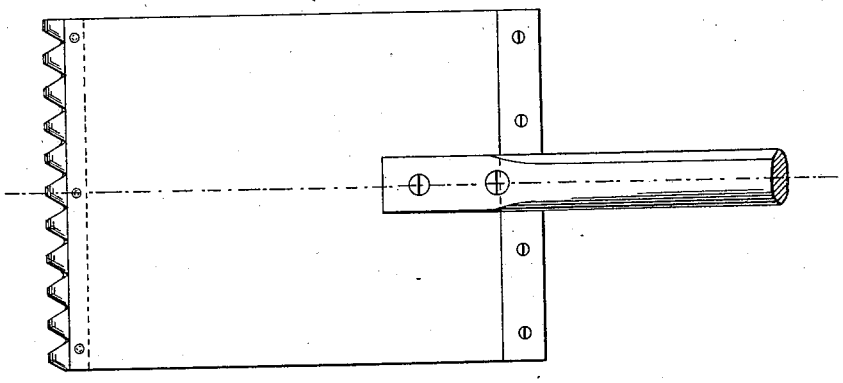

Fig. 2

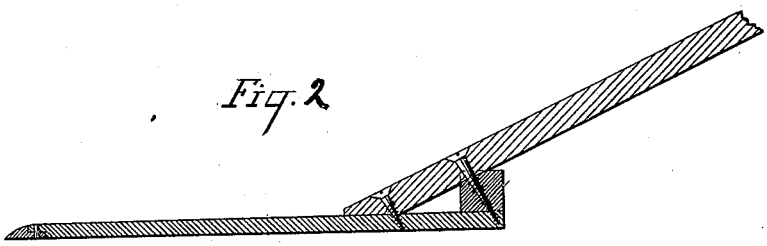

Fig. 3

Witnesses.
Daniel R. Gardeu
Luciano Conterno

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UNITED STATES PATENT OFFICE.

WILLIAM H. HICKS, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO JOSEPH SCHMITT, OF SAME PLACE.

SNOW-SHOVEL.

SPECIFICATION forming part of Letters Patent No. 342,961, dated June 1, 1886.

Application filed August 27, 1885. Serial No. 175,414. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HICKS, a citizen of the United States, and a resident of the city, county, and State of New York, have invented a new and useful Improvement in Snow-Shovels, of which the following is a specification.

My invention relates to an improvement in shovels for removing snow and ice which are protected from too rapid wear or easy breakage by metallic strips or shoes attached to their forward or cutting edges; and the object of my improvement is to provide said implements with an improved strip or shoe that will very greatly facilitate the removal of snow and ice when densely packed. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a top view of a shovel with my improved strip or shoe attached. Fig. 2 is a sectional view of the same. Fig. 3 is a top view of my improved strip or shoe.

Similar letters refer to similar parts throughout the several views.

The shovels now in use for removing snow and ice are usually made with wooden blades and handles, and have their front or cutting edges protected with metallic strips or shoes, to prevent as far as possible the blades from splitting or rapid wear. These strips or shoes have been heretofore constructed with smooth and unbroken front or cutting edges, and shovels thus made are with difficulty forced into snow or ice when compact, as will be the case when the snow is trodden underfoot for any length of time.

My invention is designed to make the penetration of the shovel-blade into the snow or ice when compacted by any means more easy, and the breaking up and removal of snow or ice more readily done, by using strips or shoes constructed with serrated or broken edges so constructed as to form a series of cutting-edges or plows, which will readily enter into and break up compact snow and ice.

In the construction of my improved snow-shovel I make the shovel blades and handles of wood, and in the usual manner, and as is shown in Figs. 1 and 2 of the drawings.

My strip or shoe I make, preferably, of cast-iron, as a cheap mode of construction, in length the width of the wooden shovel-blade, one side of the strip or shoe having a serrated or uneven cutting-surface, and the other or opposite side recessed to fit against the bottom and front edge of the wooden blade, to which it is secured by screws or rivets in the ordinary manner, as can be readily seen in Fig. 2 of the drawings.

Fig. 3 shows my improved shoe unattached, having the rivet or screw holes necessary to secure it to the shovel-blade, which holes may be cast in or bored out, as may be preferred.

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

The combination, with a wooden shovel-blade, of a metallic shoe or strip made with a serrated or uneven front or cutting surface and formed to fit against the front end and bottom of said blade, substantially as shown and described.

WILLIAM H. HICKS.

Witnesses:
JOHN W. CHAMBERS,
CHAS. WAGER HULL.