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L. SCHAFFERT.

SHOVEL.

APPLICATION FILED OCT. 5, 1905.

Fig. 1.

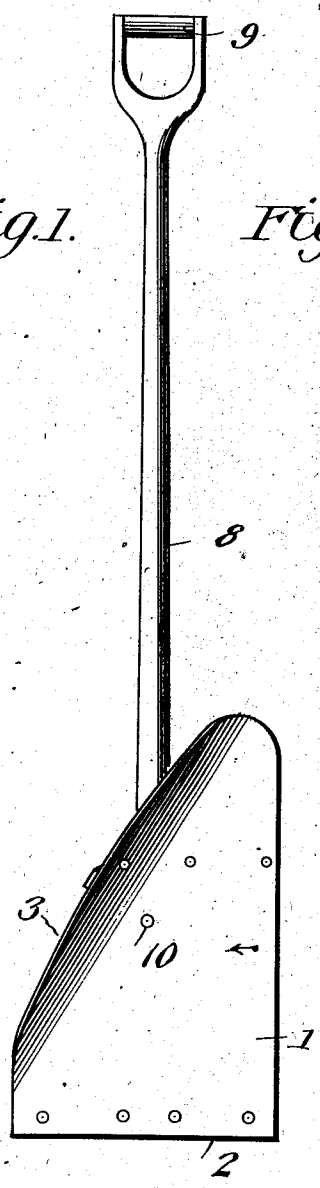
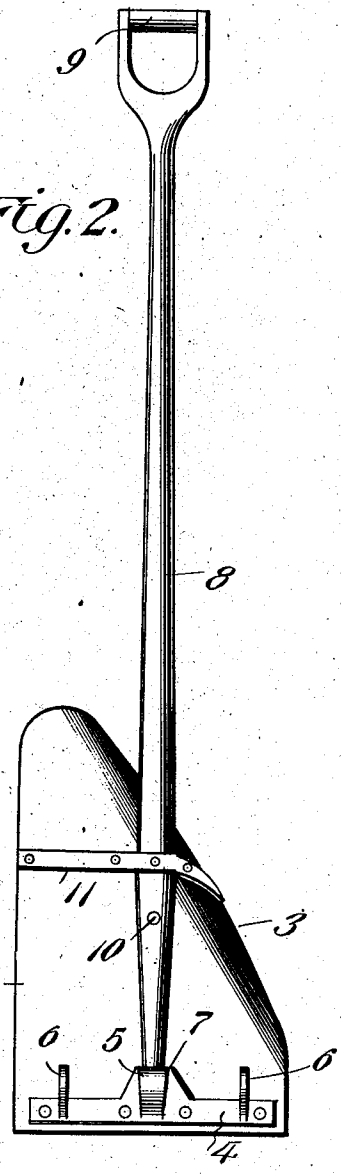


Fig. 3.



Fig. 2.



Witnesses

C. Schumann.

F. S. Elmore.

Inventor

Louis Schaffert.

By Victor J. Evans.

Attorney

UNITED STATES PATENT OFFICE.

LOUIS SCHAFFERT, OF WALTON, NEW YORK.

SHOVEL.

No. 815,122. Specification of Letters Patent. Patented March 13, 1906.

Application filed October 5, 1905. Serial No. 281,484.

To all whom it may concern.

Be it known that I, LOUIS SCHAFFERT, a citizen of the United States, residing at Walton, in the county of Delaware and State of New York, have invented new and useful Improvements in Shovels, of which the following is a specification.

This invention relates to shovels designed especially for use in removing snow from sidewalks and the like, and has for its objects to produce a comparatively simple inexpensive device of this character by which the snow may be readily removed from the walk and thrown to one side in a continuous operation during forward movement of the shovel over the surface and one wherein the shovel may be readily manipulated for causing its forward active end to override the surface obstructions.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a front elevation of a shovel embodying the invention. Fig. 2 is a rear elevation of the same. Fig. 3 is a side elevation viewed in the direction of the arrow in Fig. 1.

Referring to the drawings, 1 designates the blade, having a forward sharpened edge 2 and provided with an upwardly and outwardly curved delivery portion or moldboard 3, extending diagonally across the blade 2 around adjacent the forward end to the rear end of the latter, said portion being adapted to direct the snow laterally and deliver the same at one side of the blade. Riveted to the rear face of the blade 1, at a point adjacent the forward edge of the latter, is a transversely-extending strengthening member or strap 4, having a main central depending portion or lug 5 and auxiliary bearing portions or lugs 6, arranged, respectively, adjacent the ends of the strap, said lugs being all of substantially semi-elliptical form in said elevation, as shown, and arranged to project outward from and at right angles to the surface of the blade, the central lug 5 being formed with a socket 7.

The blade is attached to a handle 8, provided at its upper end with an end piece 9 and having its lower end seated in the socket 7, the blade being fixed to the handle by means of a rivet or other fastening member 10 and a strap 11, which extends transversely across the blade at a point between its ends and in addition to securing the handle in place subserves the further function of a brace for strengthening the shovel.

In practice the shovel is advanced over the ground-surface, with the edge 2 in contact with the latter, whereupon the snow will pass upward onto the blade and be directed laterally from and delivered at one side of the latter, through the medium of the delivery portion or moldboard 3, and this during a continuous operation of the device. In action if the edge 2 meets an obstruction the rear end of the handle 8 is moved downwardly, whereupon the blade will rock upon the bearing members 5 and 6 as a fulcrum, thus lifting the cutting edge 2 sufficiently to freely override the obstruction.

From the foregoing it is apparent that I produce a simple device admirably adapted for the attainment of the ends in view, it being understood that minor changes in the details herein set forth may be resorted to without departing from the spirit of the invention.

Having thus fully described my invention, what I claim is—

1. A tool of the type described comprising a handle, a blade carried thereby, and a strap secured to one face of the blade and provided with curved bearing-lugs.

2. A tool of the type described comprising a handle, a blade carried thereby and provided with a sharpened edge, a bracing member attached to one face of the blade at a point adjacent said edge, said bracing member being provided with a socket to receive the adjacent end of the handle and having outwardly-extending curved bearing-lugs.

In testimony whereof I affix my signature in presence of two witnesses.

LOUIS SCHAFFERT.

Witnesses:

DANIEL E. MCLEAN,

LUCIA W. NUTT.