(No Model.)

C. A. MERCER.

SNOW SCRAPER.

No. 389,092. Patented Sept. 4, 1888.

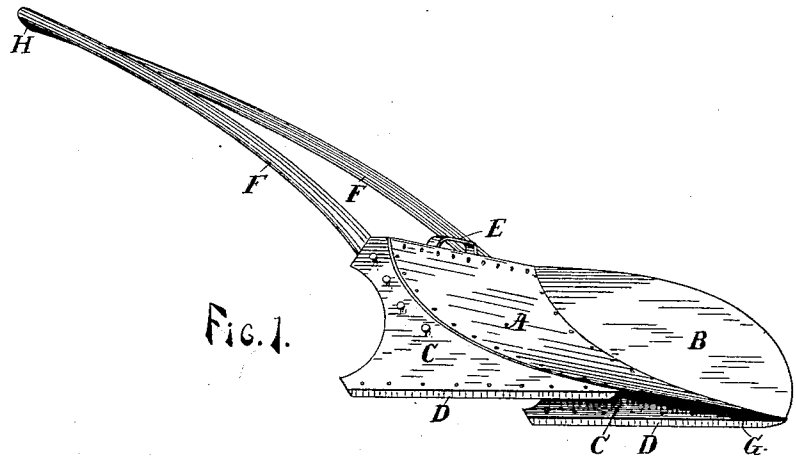


Fig. 1.

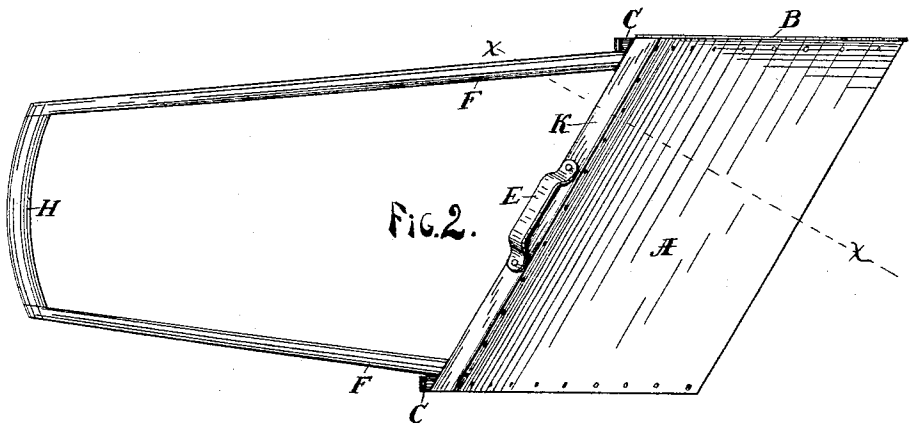


Fig. 2.

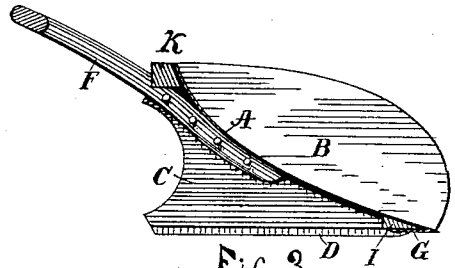


Fig. 3.

Witnesses,
Adolph B. Mason,
Cora K. Mason,

Inventor.
C. Alexander Mercer.
By his Attorney
Chas. A. Perkins.

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UNITED STATES PATENT OFFICE.

C. ALEXANDER MERCER, OF GRAND HAVEN, MICHIGAN.

SNOW-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 389,092, dated September 4, 1888.

Application filed January 20, 1888. Serial No. 261,413. (No model.)

To all whom it may concern:

Be it known that I, C. ALEXANDER MERCER, a citizen of the United States, residing at Grand Haven, in the county of Ottawa and State of Michigan, have invented certain new and useful Improvements in Snow-Scrapers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

Figure 1 is a view in perspective. Fig. 2 is a top or plan view, and Fig. 3 is a sectional view on line *x x*, Fig. 2.

Similar letters refer to similar parts throughout the several views.

My invention relates to that class of implements designed to clear walks or other passages of snow, and the object thereof is to facilitate and lighten the labor incident to such work.

I describe my invention as follows:

A is the face of the scraper, preferably concave in form, with edges running obliquely to line of travel, and having on the upper side the guard B, which is upright. The object of making the edge straight and oblique to the direction of travel is to facilitate the insertion of the same into the snow. The said face of the scraper is securely attached to the runners C C, whereon are fastened shoes D D, having a cutting-edge. Said shoes are preferably made of sheet-steel and fastened to the sides of said runners so that the edge of the shoe projects a little below the bottom of runner. This serves to steady the scraper and keep it in a straight line under propulsion. At the back of the scraper is the handle E, designed to be used as a grip in case the scraper is used as a shovel, one hand grasping the cross-bar H, connecting the handles F F, and the other hand taking hold by said grip E. The edge of the scraper is bent sharply over the wedge-shaped back-piece, I, and fastened thereto, forming the under plate, G.

The top cross-bar, K, serves to connect the runners, and to it is also attached the top edge of scraper-face. The handles F F, with back cross-bar, H, complete the implement.

I am aware that scrapers of numerous designs have heretofore been in use; but

What I desire to secure by Letters Patent of the United States is—

In a snow-scraper, the combination of the face A, having the oblique cutting-edge, the handles F F, and the runners C C, having sharp cutting-shoes secured to and extending along the lower edges of the runners, substantially as described.

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

C. ALEXANDER MERCER.

Witnesses:

JOHN J. DANHOF, Jr.,

GEO. W. MCBRIDE.