H. W. SEARLE.

Snow-Shovel.

No. 200,152. Patented Feb. 12, 1878.

*Fig. 1.*

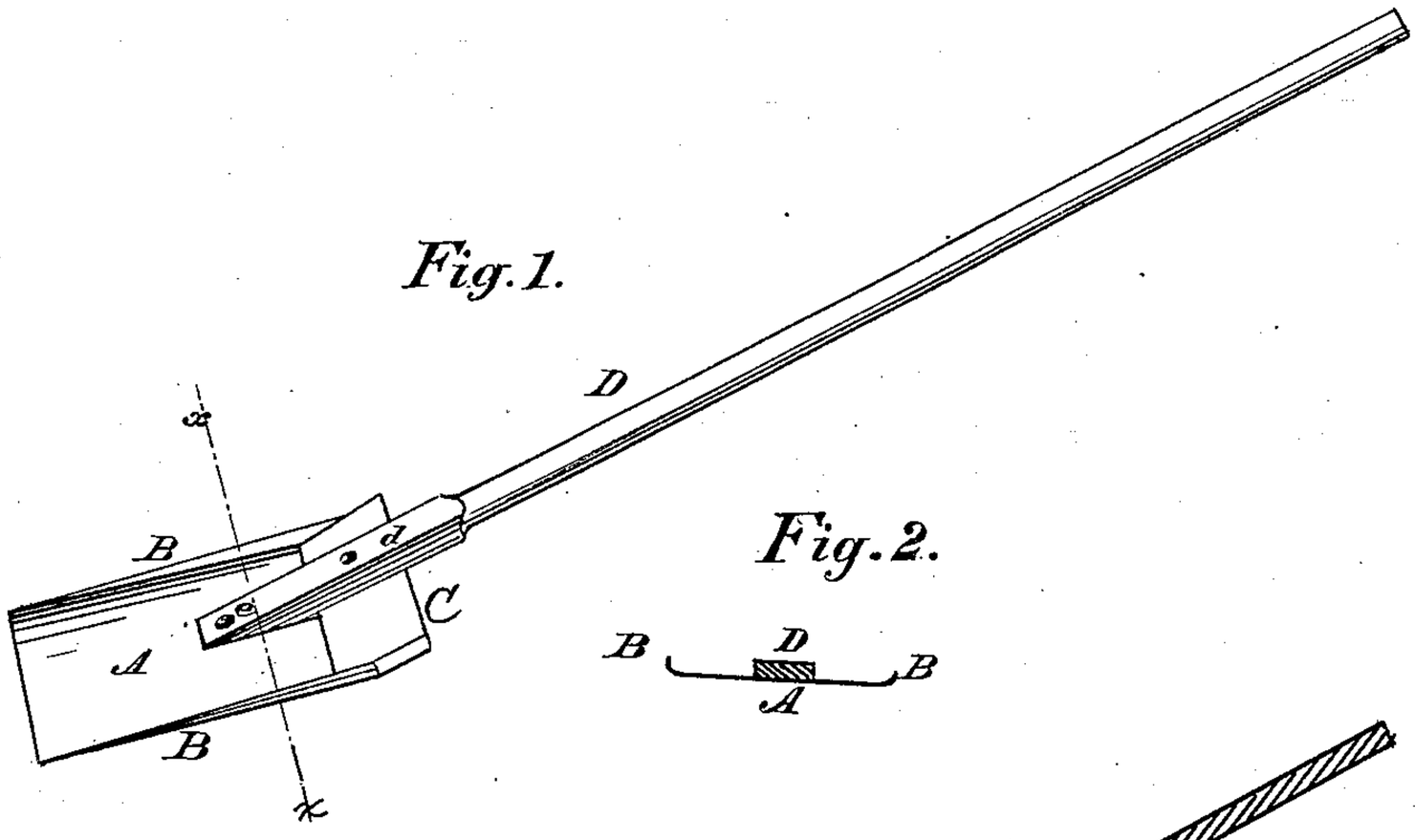


*Fig. 2.*




*Fig. 3.*

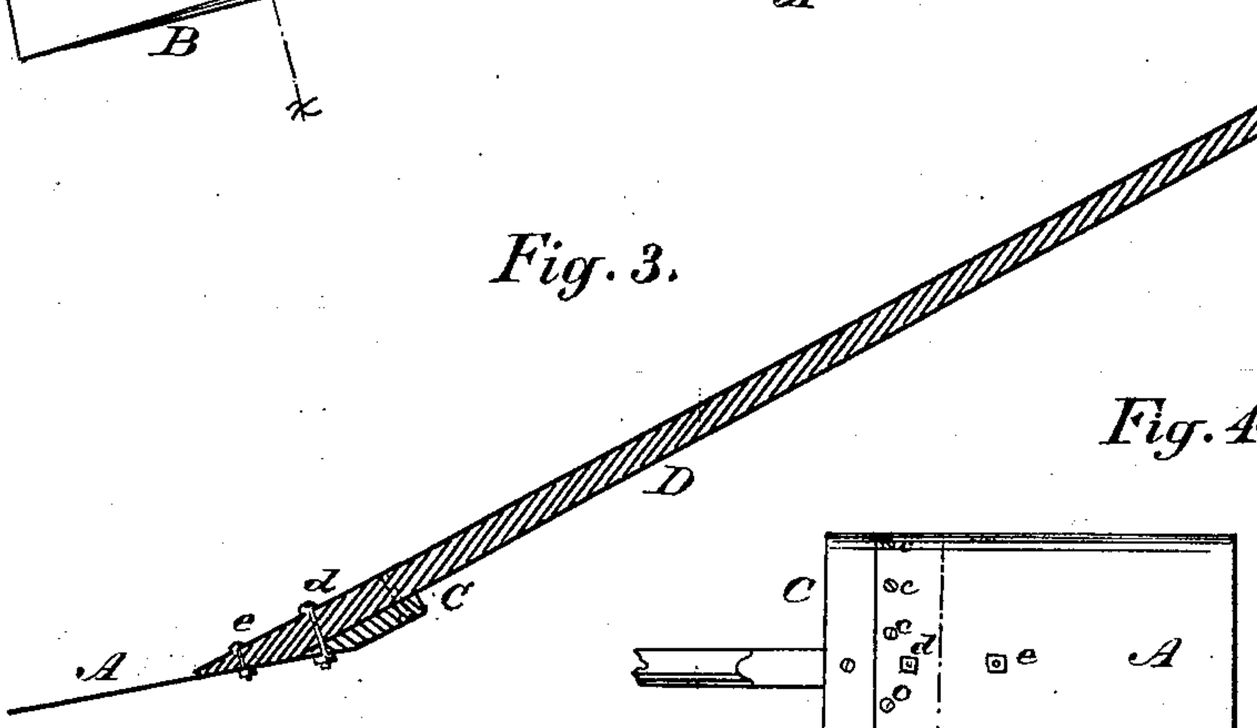


*Fig. 4.*




**Witnesses;**

W. M. Leishman.

John G. Cloke.

**Inventor;**

Henry Vincor Searle

By Wm Bruce

His Attʸ

# UNITED STATES PATENT OFFICE.

HENRY W. SEARLE, OF HAMILTON, ONTARIO, CANADA.

## IMPROVEMENT IN SNOW-SHOVELS.

Specification forming part of Letters Patent No. **200,152**, dated February 12, 1878; application filed January 24, 1877.

*To all whom it may concern:*

Be it known that I, HENRY WINSOR SEARLE, of the city of Hamilton, in the county of Wentworth, Province of Ontario, and Dominion of Canada, machinist, have invented a certain new and useful Improvement in Snow-Shovels; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

The object of the invention is to afford a strong, convenient, durable, and light snow-shovel that will operate successfully, and give thorough satisfaction.

My invention consists in a blade constructed of sheet-steel, making the cutting-edge sharp, and attaching the rear part to a wooden back, which acts also as a brace or stay for the blade and handle. The outer edges of the blade are turned upward gradually from the cutting-edge to the wooden brace.

A handle of sufficient length is properly beveled and attached to the shovel with the bolts and nuts, one bolt through the handle and wooden back or stay, and the other through the handle and steel blade, thus effectually securing all the parts together so that they cannot easily come apart.

By reference to the accompanying drawings, forming part of this specification, it will be seen that Figure 1 is a perspective view of my snow-shovel. Fig. 2 is a section through the line *x x*. Fig. 3 is a longitudinal section through the center of the shovel and handle. Fig. 4 is a rear view of the blade with the handle broken off.

A is the blade, of sheet-steel, having the outer edges B B turned upward, tapering to the point. C is the wooden cross-stay, to which the blade is fastened by the screws *c c c c c c*, (shown at Fig. 4,) the two outer screws passing through the upwardly-bent sides of the blade, and entering the ends of the cross-stay C.

D is the handle, being secured to the cross-stay C by the bolt *d* and nut on the under side, as shown in Figs. 3 and 4, and also secured to the blade A by the short bolt *e* and its nut.

Sheet-iron could be substituted for the blade in the place of that hereinbefore mentioned; but I prefer sheet-steel, as described.

I have found by experiment that a snow-shovel constructed as above described will give great satisfaction, and perform clean work with very great ease.

Having thus described my device, and disclaiming all else, what I claim as my invention, and desire to secure by Letters Patent, is—

As a new article of manufacture, the snow-shovel, substantially as herein described, consisting of the sheet-metal blade, having inclined upturned edges B, beveled inclined wooden back or head piece C, and the handle D, having beveled foot, bolted to the said blade, and its shank bolted to said inclined head-piece.

Dated at Hamilton, Ontario, Dominion of Canada, this 20th day of January, A. D. 1877.

HENRY WINSOR SEARLE.

In presence of—
WM. BRUCE,
A. G. SMYTH.