

H. C. COLE.
Snow-Shovels.

No. 138,076.

Patented April 22, 1873.

Fig. 1.

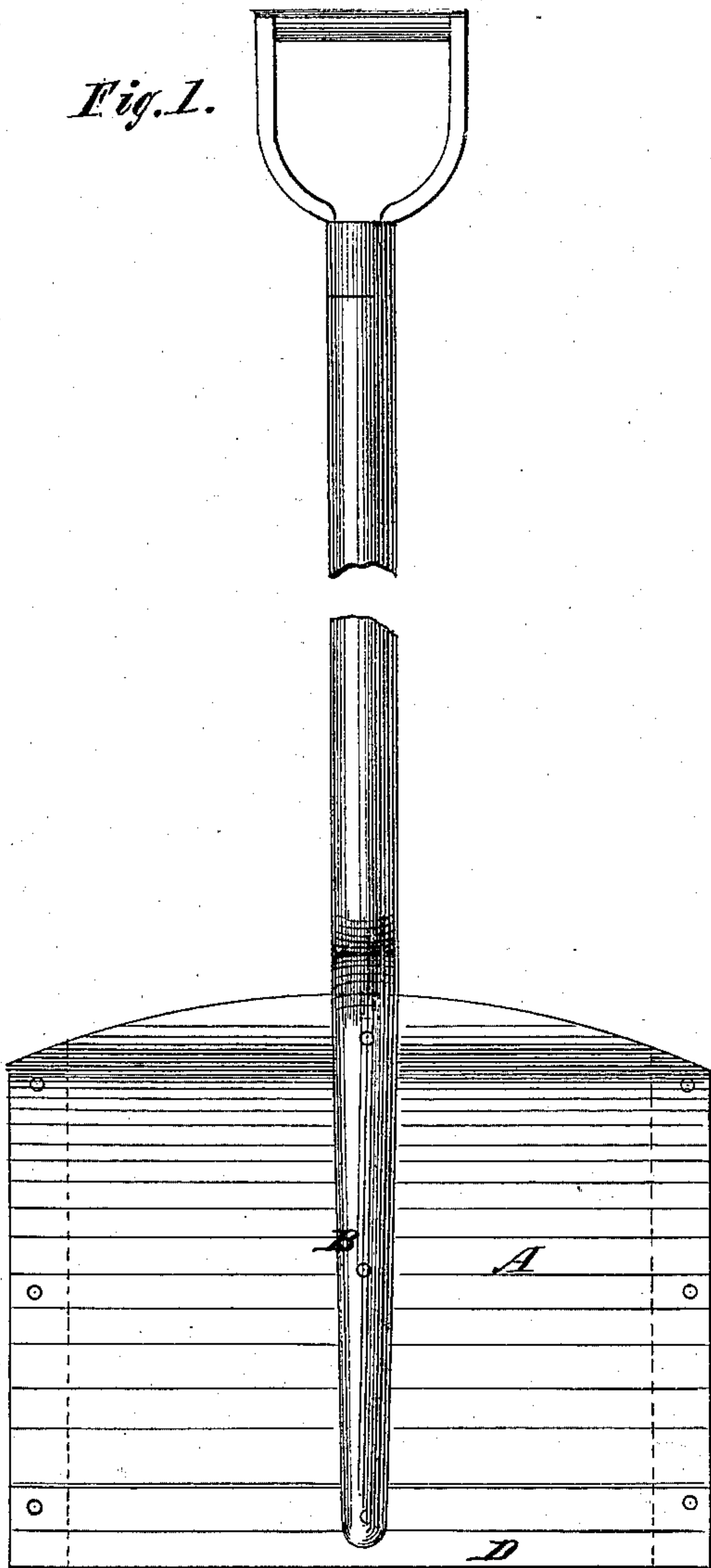
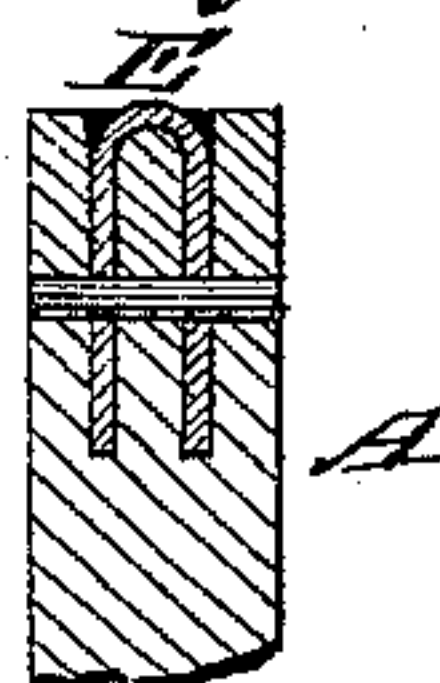


Fig. 2.



Fig. 3.



Witnesses:

P. C. Dietrich
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UNITED STATES PATENT OFFICE.

HENRY C. COLE, OF WALLINGFORD, VERMONT.

IMPROVEMENT IN SNOW-SHOVELS.

Specification forming part of Letters Patent No. **138,076**, dated April 22, 1873 ; application filed March 8, 1873.

To all whom it may concern:

Be it known that I, HENRY C. COLE, of Wallingford, in the county of Rutland and State of Vermont, have invented a new and Improved Snow-Shovel, of which the following is a specification:

The invention consists in the improvement of snow-shovels, as hereinafter described and claimed.

Figure 1 is a front or top view of my improved shovel. Fig. 2 is a side elevation. Fig. 3 is a section of the blade, showing the stiffening-bar at the end with both edges fitted in slots in the end.

Similar letters of reference indicate corresponding parts.

A represents the thin blade of wood, which is arranged at right angles to the handle and parallel with the edge, so that the handle B, which is attached to the front or upper face, extends across the grain, which is the best way of connecting them and arranging the grain for the prevention of splitting. The cutting-edge of the blade is beveled, as shown at C, and it is shod with a thin plate, D, of metal on the bevel face, the edge, and a narrow margin of the upper side, to make a strong edge, capable of cutting hard snow, and protecting the wood from splitting. E and F

represent the U-shaped thin metal bars with which I strengthen the ends of the blade by fitting both edges in slits sawed in the ends, as shown in Fig. 3.

This arrangement is designed to avoid having the upper surface of the blade incumbered by the edge of the protecting-strip, which is liable to spring up and be pushed off by objects catching against the edge.

The blade will, by preference, be made flat from the cutting-edge to about one-third of the distance from the top, from which it will curve upward, and the handle will be continued on the same curve some distance above the blade, as other shovels are, to have the blade work as near to the horizontal plane as it well can in use, also to have the blade protected from springing and splitting near the cutting-edge when forced into the snow.

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

The shovel A fortified by U-shaped plates of metal running the whole length of edges, as and for the purpose described.

HENRY C. COLE.

Witnesses:

E. D. SABIN,
E. O. EDDY.