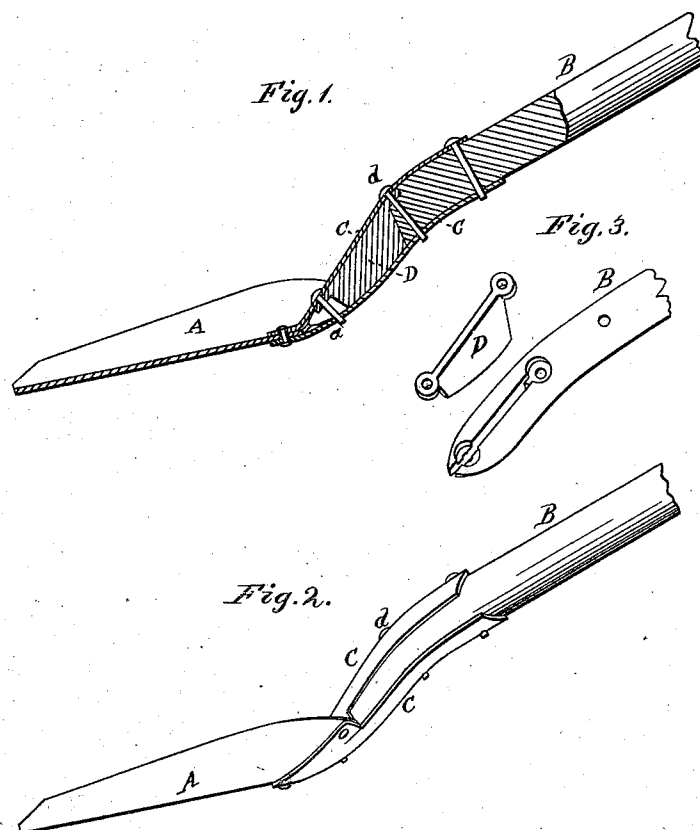


C. POMEROY & J. D. OWEN.

Shovel-Handles.

No. 143,714.

Patented Oct. 14, 1873.



WITNESSES.

Henry N. Miller
A. H. Harr

By

INVENTOR

Charles Pomroy
John Douglass Owen
Per
Alexander Watson
Attorneys.

UNITED STATES PATENT OFFICE.

CHARLES POMEROY AND JOHN D. OWEN, OF MATTOON, ILLINOIS.

IMPROVEMENT IN SHOVEL-HANDLES.

Specification forming part of Letters Patent No. **143,714**, dated October 14, 1873; application filed August 27, 1873.

To all whom it may concern:

Be it known that we, CHARLES POMEROY and JOHN DOUGLASS OWEN, of Mattoon, in the county of Coles and in the State of Illinois, have invented certain new and useful Improvements in Shovel-Handles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in constructing the end of the handle of a shovel or spade, or other like implement, with a metallic brace, as will be hereinafter described.

In the annexed drawings making part of this specification, A represents the shovel-blade, and B the handle. C C represent the two straps usually used for connecting the blade to the handle. D represents a metallic brace-plate, which is inserted in a slot or opening in the handle made to receive it. This plate stands edgewise with reference to the blade, and has an eye, as seen at each end.

This brace is intended to be flush with the handle on each side the distance it extends, the eyes being set in a suitable recess. One bolt, *a*, passes through the shovel-blade where the two straps form a portion of it, and through one eye in the brace, and another bolt, *d*, passes through the two straps and through one of the eyes and through the handle. This brace makes a firm and substantial end for shovels and spades and that class of implements.

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

The brace D, constructed substantially as described, in combination with the shovel and handle and straps C C, as and for the purpose set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 11th day of August, 1873.

CHARLES POMEROY.

JOHN DOUGLASS OWEN.

Witnesses:

ABRAM HASBROUCK,
O. C. HARMANY.