

H. LEACH.
Plow-Scrapers.

No. 142,113.

Patented August 26, 1873.

Fig. 1.

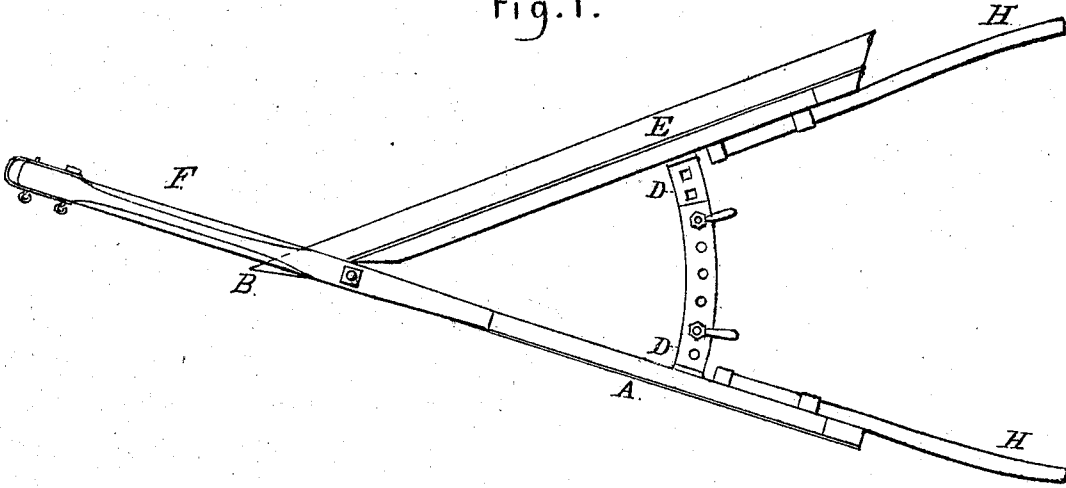


Fig. 2.

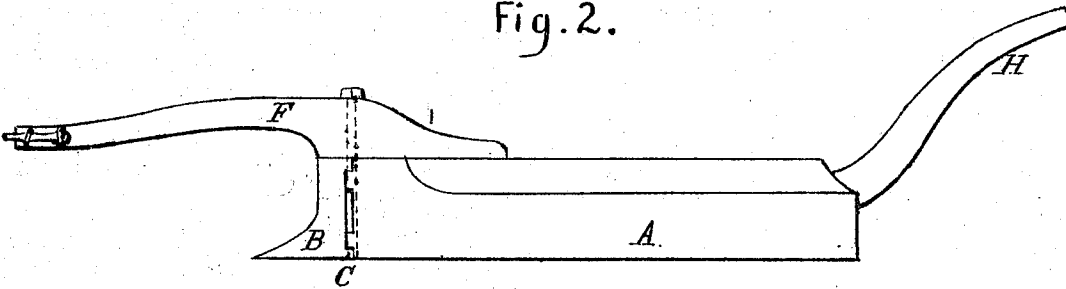
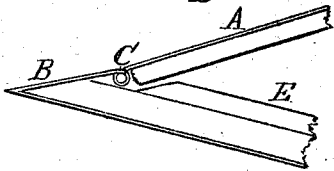


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

HIRAM LEACH, OF CAMANCHE, IOWA.

IMPROVEMENT IN PLOW-SCRAPERS.

Specification forming part of Letters Patent No. **142,113**, dated August 26, 1873; application filed July 9, 1873.

To all whom it may concern:

Be it known that I, **HIRAM LEACH**, of the town of Camanche, in the county of Clinton and State of Iowa, have invented a new and Improved Plow-Scraper, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 is a top view. Fig. 2 is a side elevation. Fig. 3 is a bottom view of the front part of the plow, showing the hinged joint.

My invention relates to an adjustable plow-scraper; and consists in the arrangement of a hinged joint at the heel of the plow-point, by which joint an adjustable land-side is attached and operated, in combination with adjustable braces attached on the inside of the land-side and mold-board.

A is the land-side, attached by the hinged joint C at the heel of the plow-point B, as shown in Figs. 1 and 2 of the drawings, so as to protect the joint from clogging and wearing by the action of the dirt and gravel. D D are adjustable braces attached to the inside of the land-side and mold-board E, as shown

in Fig. 1. The beam F and handles H H are attached to the plow in any well-known manner.

The plow-scraper is designed to be used for removing dirt or snow.

In turnpiking roads, a few furrows are run with an ordinary plow, and the plow-scraper, adjusted at any required width, with the land-side to the unplowed ground and the mold-board toward the center of the road, is run along the last furrow, moving the loose dirt the width of the plow toward the middle of the road.

What I claim, and desire to secure by Letters Patent in a plow-scraper, is—

1. The arrangement of the hinged joint C at the heel of the plow-point B, in combination with the adjustable land-side A, substantially as described and shown.

2. The combination of the adjustable land-side A, plow-point B, hinged joint C, braces D D, and mold-board E, all arranged substantially as described and shown.

Witnesses: **HIRAM LEACH.**

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