

R.R. & H.T. Spedden,

No.

No. 108843.

Patented Nov. 1, 1870.

Fig. 1

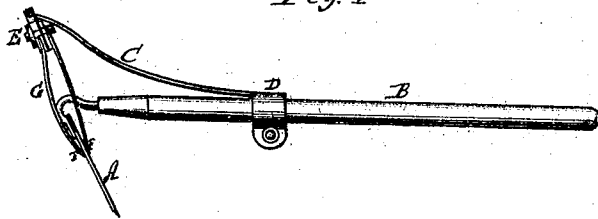
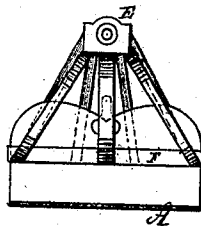


Fig. 2



Witnesses:

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# United States Patent Office.

ROBERT R. SPEDDEN AND HARRIE T. SPEDDEN, OF ASTORIA, OREGON.

Letters Patent No. 108,843, dated November 1, 1870.

## IMPROVEMENT IN CLEANSING ATTACHMENTS FOR HOES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, ROBERT R. SPEDDEN and HARRIE T. SPEDDEN, of Astoria, in the county of Clatsop and State of Oregon, have invented a new and useful Improvement in Hoe-Scrapers; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in a scraper for hoes and other implements or tools, whereby the blades of such implements (more especially the hoe) may be kept clean and in proper condition for use; and

It consists in applying a scraper to either one or both sides of a hoe, spade, or similar instrument, and in supporting and operating it by means of a spring or springs, as hereinafter more fully described.

In the accompanying drawing—

Figure 1 represents a side view of a hoe provided with my scraper on each side of the blade.

Figure 2 is a front-end view of the hoe and scraper. Similar letters of reference indicate corresponding parts.

A is the blade of the hoe.

B is the handle.

C is a spring attached to the handle by the adjustable-clasp D, which spring is attached to the scraper-head E.

F, fig. 2, is the scraper proper, which is a thin piece of metal corresponding in length to the width of the hoe, as represented.

This piece F is connected with the head-piece E by springs G, which are so formed and connected with the head that they are made to press the lower edge, spring F, tightly against the blade of the hoe.

In practice, where the soil is mucky or damp, this arrangement is attached to the head, so as to operate on each side of the blade, but it may be applied to only one side, if preferred.

The main spring C is so curved upward from the handle that the scrapers are supported on the upper portion of the blade, as seen in the drawing.

To clean the blade the scraper is forced downward to or beyond the edge of the hoe, which action instantly removes whatever adheres to it.

The operation may be performed by the hand or foot, or in any other method.

The reaction of the spring C brings up the scraper to the position seen in the drawing, where it does not interfere with or obstruct the blade in using the hoe.

By means of the bolt in the head E, the pressure of the scrapers to the sides of the blade may be increased or diminished as may be desired.

Having thus described our invention,

We claim as new and desire to secure by Letters Patent—

In combination with the blade A, the scrapers F, (one or more,) when arranged to operate substantially as and for the purposes herein shown and described.

ROBERT R. SPEDDEN.

H. T. SPEDDEN.

Witnesses:

CHARLES STEVENS,  
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