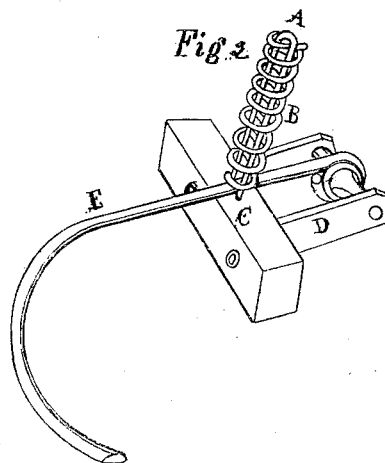
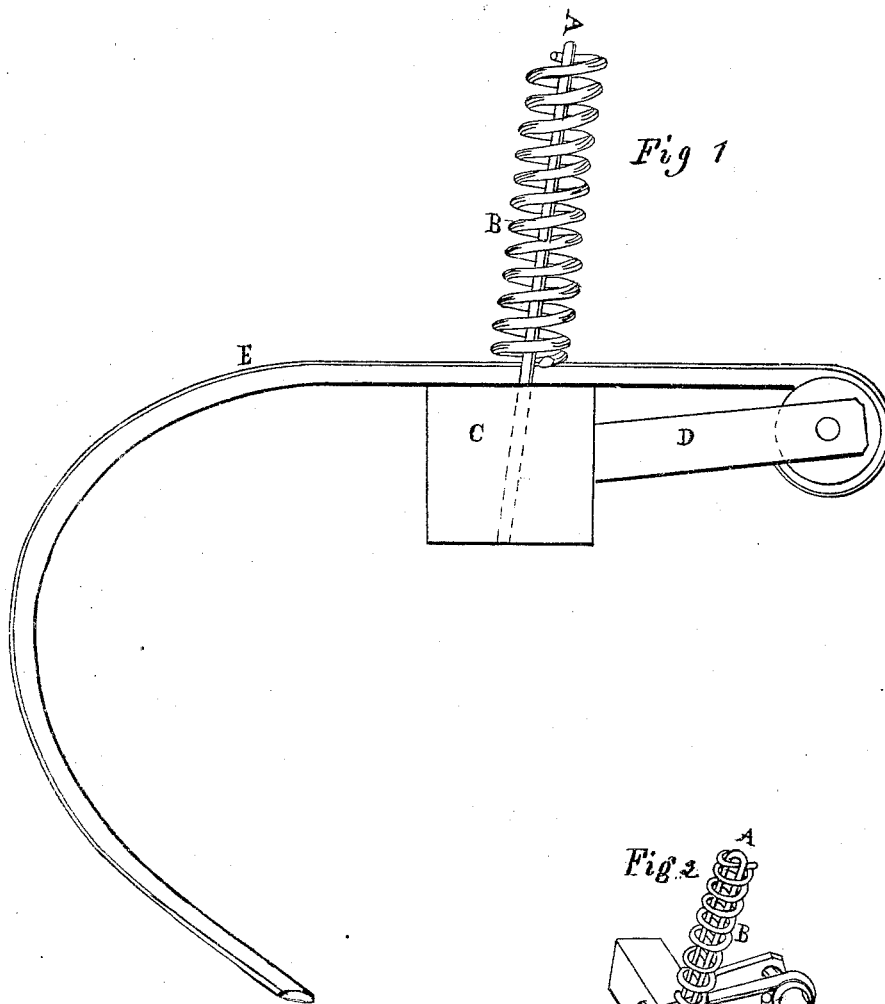


*F. Seidle,
Horse Rake.*

No. 49,926.

Patented Sept. 12, 1865.



WITNESSES

*C. C. Bryant
Joseph Lead*

Frederick Seidle

UNITED STATES PATENT OFFICE.

FREDERICK SEIDLE, OF MECHANICSBURG, PENNSYLVANIA.

IMPROVEMENT IN HORSE-RAKES.

Specification forming part of Letters Patent No. 49,926, dated September 12, 1865; antedated September 6, 1865.

To all whom it may concern:

Be it known that I, FREDERICK SEIDLE, in the town of Mechanicsburg, county of Cumberland, and State of Pennsylvania, have invented a new and Improved Horse-Rake; and I do declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in providing a spring in a peculiar manner for the tooth of the rake, in order to relieve it from obstructions when it comes in contact therewith, and also in constructing it in such a manner as to do away with a cross bar or head that is generally used in machines of like character, thereby rendering its construction much cheaper and lighter and its utility equal if not greater.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

It has generally been the plan in the construction of horse-rakes, where coiled springs have been used in connection with the teeth for the purpose of relieving the tooth from obstructions, to use two heads or bars, placing the springs between them; but instead of using an extra bar I use a loop or staple securely fastened to the rake-head, as shown in sections in the drawings, Figures 1 and 2, in which—

A'' represents the staple, and B'' the spring. This staple and spring are secured to the upper side of the head, as seen in the drawings, the upper end of the spring passing through the loop of the staple and the lower end having its bearing upon the tooth.

C'' is the head of my improved rake, and may be made of either wood or metal; but for cheapness and lightness I prefer to construct it of wood, and may also be made of any desirable length to suit the convenience of the operator.

D D'' are bars or brackets secured to the head of the rake, projecting nearly horizontally to the front, through which a bolt passes, upon which suitable rollers are placed for the purpose of securing the tooth, rendering it adjustable when coming in contact with obstructions.

E'' is a rake-tooth, which is constructed of steel in the manner and form as shown in the drawings, Figs. 1 and 2, but may be varied in form without changing or affecting the operation of my invention.

I am aware that spiral or coil springs have been applied to rake-teeth, and therefore do not claim, broadly, the use of spiral or coil springs applied to rake-teeth.

What I do claim, and desire to secure by Letters Patent of the United States, is—

The arrangement of the staples A'' and coiled springs B'', embracing the staples, and their lower ends resting upon the teeth while their upper ends pass through the upper ends of the staples, in connection with the wire teeth E'', attached separately by means of the brackets D'' to the bar C'', in the manner and for the purposes specified.

FREDERICK SEIDLE.

Witnesses:

O. E. BRYAN,
JOSEPH LEAS.