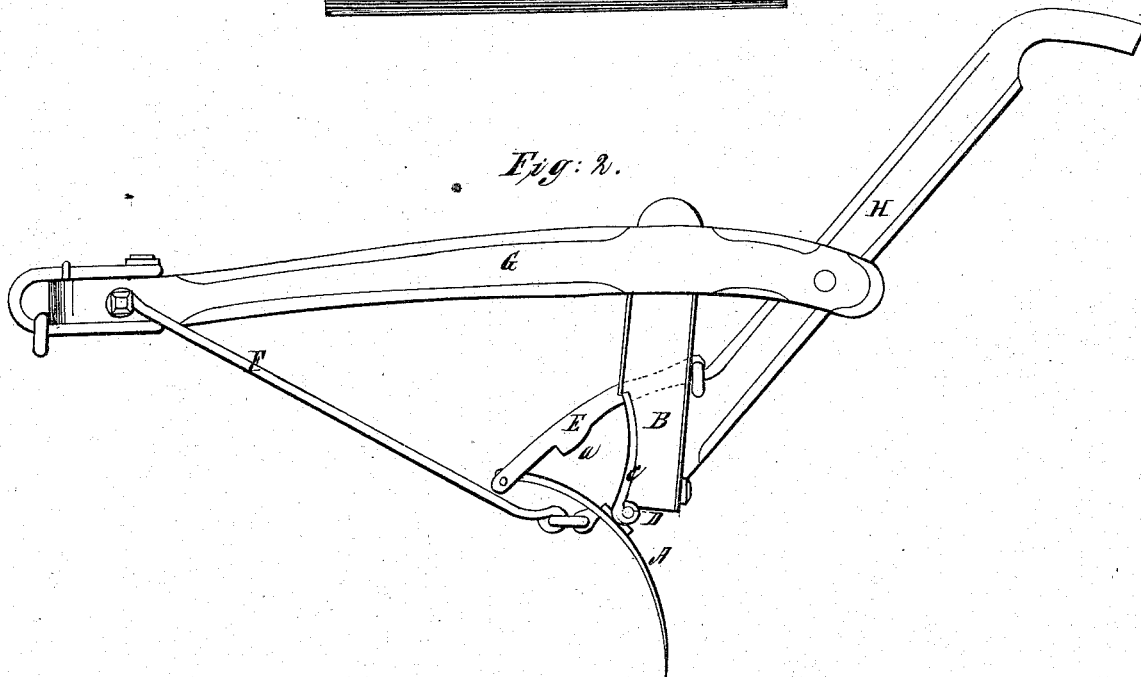
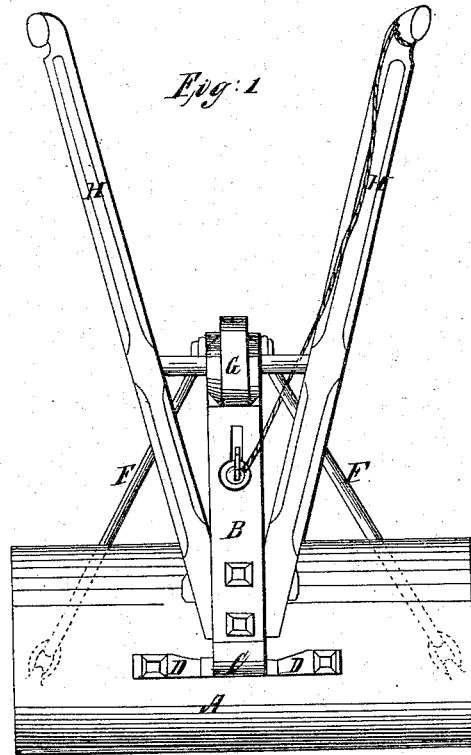


*Scholfield & Johns.*

*Scraper.*

*Nº 7,929.*

*Patented Feb. 11, 1851.*



# UNITED STATES PATENT OFFICE.

C. SCHOFIELD AND G. J. JOHNS, OF ALBION, ILLINOIS.

## SCRAPER.

Specification of Letters Patent No. 7,929, dated February 11, 1851.

*To all whom it may concern:*

Be it known that we, CHARLES SCHOFIELD and GEO. J. JOHNS, of Albion, in the county of Edwards and State of Illinois, have invented a new and Improved Transporting and Leveling Earth-Scraper to be used in the Formation of Roads and for other Purposes; and we do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1, is a rear elevation, and Fig. 2, a side view of our said invention.

Similar letters indicate like parts in both figures.

The nature of our invention consists in so combining and arranging the several parts of a scoop or scraper, as that when the scoop is tilted or tripped, it will revolve sufficiently far to allow the earth to slide off, and then remain in such position, as that the operator, by a slight movement of the handles (which at all times guide and control the machine) in any desired direction, can level down and regulate the quantity of earth or other material to be deposited in any one place, after it has been removed from another, in such manner as to smooth and finish the road or other bank of earth, without the assistance of further labor by hand, or by another scraper.

To enable others skilled in the art to make and construct my scraper, I will proceed to describe the same with reference to the drawings.

The beam G, the standard B, and the handles H, H, in shape, and in the manner of uniting them to each other, correspond substantially with similar parts of a plow.

The scoop A, is connected to the standard B, and the beam G, in the following manner: the front side of the standard B, is curved to suit the convex surface of the scoop A, and is faced with a metallic plate C, which terminates in an eye at its lower extremity; a fulcrum pin D, passes through the eye at the lower end of C, and its ends are strongly secured to the convex surface of the scoop A, near its center; tension rods F, F, have their rear ends jointed to the ends of scoop A, and their front ends are connected to the front end of the beam G, by a strong bolt.

A curved lever E, passes through a mortise in the standard B, and has its front end jointed to the center of the upper edge of the scoop A; the lever E, has a shoulder on

its lower edge, which when the lever is drawn back, drops down below the lower end of the mortise on the rear side of the standard B, and holds the scoop in a position to be operated,—the upper or rear portion thereof being pressed against the front side of the standard B.

A ring is secured to the rear end of the lever E, which serves to catch and retain the scoop A, in the position shown in Fig. 2.

When the scoop A, has been filled by being drawn forward in the usual manner, it is tilted to discharge its contents, by elevating the rear end of the lever E, and slightly throwing up the rear ends of the handles H, H; when the scoop A, turns upon its scraping edge, it draws forward the lever E, until the ring at its rear end strikes against the standard B, which will catch and retain the scoop in the position shown in Fig. 2, which position of the scoop, will cause the contents thereof to escape therefrom, and enable the person guiding the scraper to level or smooth off its contents into any shape that may be desired.

By a slight movement of the scraper in any desired direction, the operator has at all times complete control of it, and is enabled without any assistance or the use of another scraper to finish the road or bank of earth; the prominent feature in the invention consisting in so combining the several parts, that the scoop when tripped will stand in the position seen in Fig. 2, (having turned sufficiently far to allow the dirt to slide off) and allow the operator by a slight motion of the scraper at all times to guide and control it and thus level down evenly the earth or other material as heretofore described.

Having thus fully described our invention what we claim as new and desire to secure by Letters Patent is—

The combination and arrangement of the scoop A, standard B, beam G, arm E, and handles H, in such manner that when the scoop is tripped, it will revolve sufficiently far to allow the earth to slide off, and then remain in such position as that the operator, by a slight movement of the handles, can level the earth with the scoop, and without the aid of another hand, or another scraper, as herein described and represented.

CHAS. SCHOFIELD.  
GEO. J. JOHNS.

Witnesses:

F. B. THOMPSON,  
HENRY HOPKINS.