

No. 712,362.

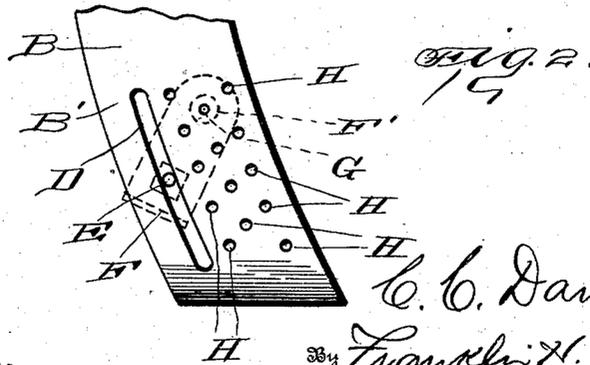
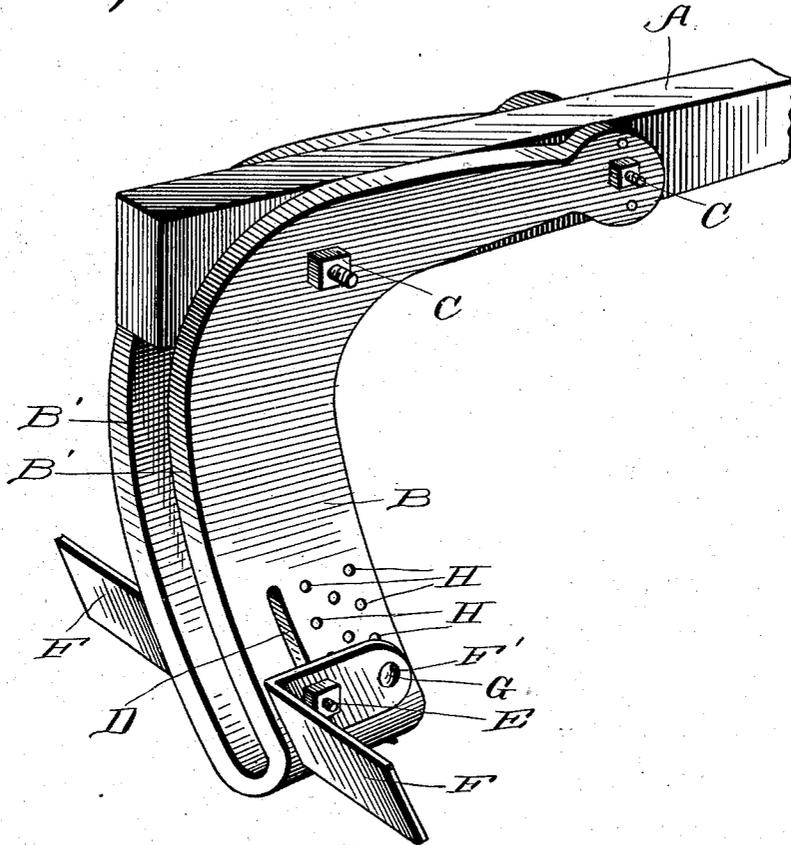
Patented Oct. 28, 1902.

C. C. DARNELL.  
COMBINED PLOW FOOT AND SCRAPER

(Application filed June 4, 1902.)

(No Model.)

Fig. 1.  
19



Witnesses

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# UNITED STATES PATENT OFFICE.

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## COMBINED PLOW-FOOT AND SCRAPER.

SPECIFICATION forming part of Letters Patent No. 712,362, dated October 28, 1902.

Application filed June 4, 1902. Serial No. 110,206. (No model.)

*To all whom it may concern:*

Be it known that I, CARTER CLAYTON DARNELL, a citizen of the United States, residing at Ashland, in the county of Franklin and State of Georgia, have invented certain new and useful Improvements in a Combined Plow-Foot and Scraper; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to new and useful improvements in plow-foot and scraper attachments; and it consists in means whereby the plow-foot may be adjustably held to the beam and in the provision of scrapers, one on either side of the foot, held by independent adjusting-bolts and so arranged that the scraper may be held at different angles in a horizontal plane and each independent of the other, whereby one scraper may be held at an angle 20 to the plane and the other horizontally or in different positions, as may be desired for various uses to which it is desired to put the invention.

30 The invention consists, further, in various details of construction and combinations and arrangements of parts, as will be hereinafter fully described and then specifically defined in the appended claim.

35 My invention is illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings—

40 Figure 1 is a perspective view of my improved plow-foot and scraper. Fig. 2 is a detail view showing the manner of adjusting the scrapers.

45 Reference now being had to the details of the drawings by letter, A designates a plow-beam of ordinary construction, and B a plow-foot, made, preferably, of metal and bent upon itself at its middle portion, which forms the lower part of the foot, and the two arms B' are pivotally held to the plow-beam by means of the bolt C, passing through the 50 arms and beam. The bolt C, which passes through the ends of the bar of metal forming

the foot, may be held in any one of the several apertures in said ends, whereby the foot may be tilted and held in an adjusted relation with reference to the beam, the other bolt serving 55 as a pivotal bar on which the foot tilts when being adjusted. Near the rear edge of the foot are elongated slots D, which are formed in the two portions of the foot, which is bent as shown, and are in registration. The lower 60 margins of said apertures extend to locations near the lowest part of the shoe, and in each aperture is an adjusting-bolt E, the head of which bears against the inner wall of the foot, and the bolt proper extends through the 65 aperture and also through an aperture in a scraper F. There are two of these scrapers, similarly constructed, arranged one on each side of the foot, and each is held in a similar manner to the foot by means of an adjusting- 70 bolt, having a threaded nut on the end thereof. Said scrapers are preferably bent at an angle, and the inner end of each scraper is perforated, as at F', and G designates an adjusting pin or screw which is adapted to 75 pass through said aperture F' and engage in one or another of the several perforations H, which are formed in said foot in the two portions which are parallel to each other. The purpose of these perforations H is to allow 80 the pin or screw G to be placed in one or another of the same when it is desired to hold the scraper at any particular angle. For instance, if it is desired to hold the scraper in a horizontal position said pin will be placed 85 in one of the perforations adjacent to the elongated slot in which the adjusting-bolt is held. If it is desired to adjust the scraper at an inclination to a horizontal plane, the pin F' may be held in one of the other apertures, 90 accordingly as may be desired.

From the foregoing it will be observed that by my improved foot-scraper I am enabled to adjust the scraper at varying angles and each independent of the other, whereby scrapers 95 may be used for different purposes, as for covering up, cutting weeds, &c.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

100 In combination with a plow-beam, a foot B having a substantially horizontal portion, a

pivotal pin carried by the beam and on which the same is mounted, the ends of said foot being rounded and having vertical adjusting-apertures, a bolt passing through the beam 5 and one of said apertures, elongated slots formed in the shank portion of the foot near its bent portion and at one side of the longitudinal center, said foot having perforations intermediate said slots and the edge of the 10 foot, angled scrapers, an adjusting-pin passing through the inner end of one of said scrapers and engaging one of said perforations, and a bolt held in each of said slots,

and passing through the same and through the inner angled portion of the scraper, and 15 a nut on the end thereof and adapted to cooperate with the inner end of the scraper, whereby the scraper may be adjusted and securely held at various angles, as set forth.

In testimony whereof I hereunto affix my 20 signature in presence of two witnesses.

CARTER CLAYTON DARNELL.

Witnesses:

W. D. WILLIFORD,  
E. G. BROCK.