(No Model.)

DE WITT C. HAYSLIP.

CULTIVATOR PLOW.

No. 575,507. Patented Jan. 19, 1897.

Fig. 1.

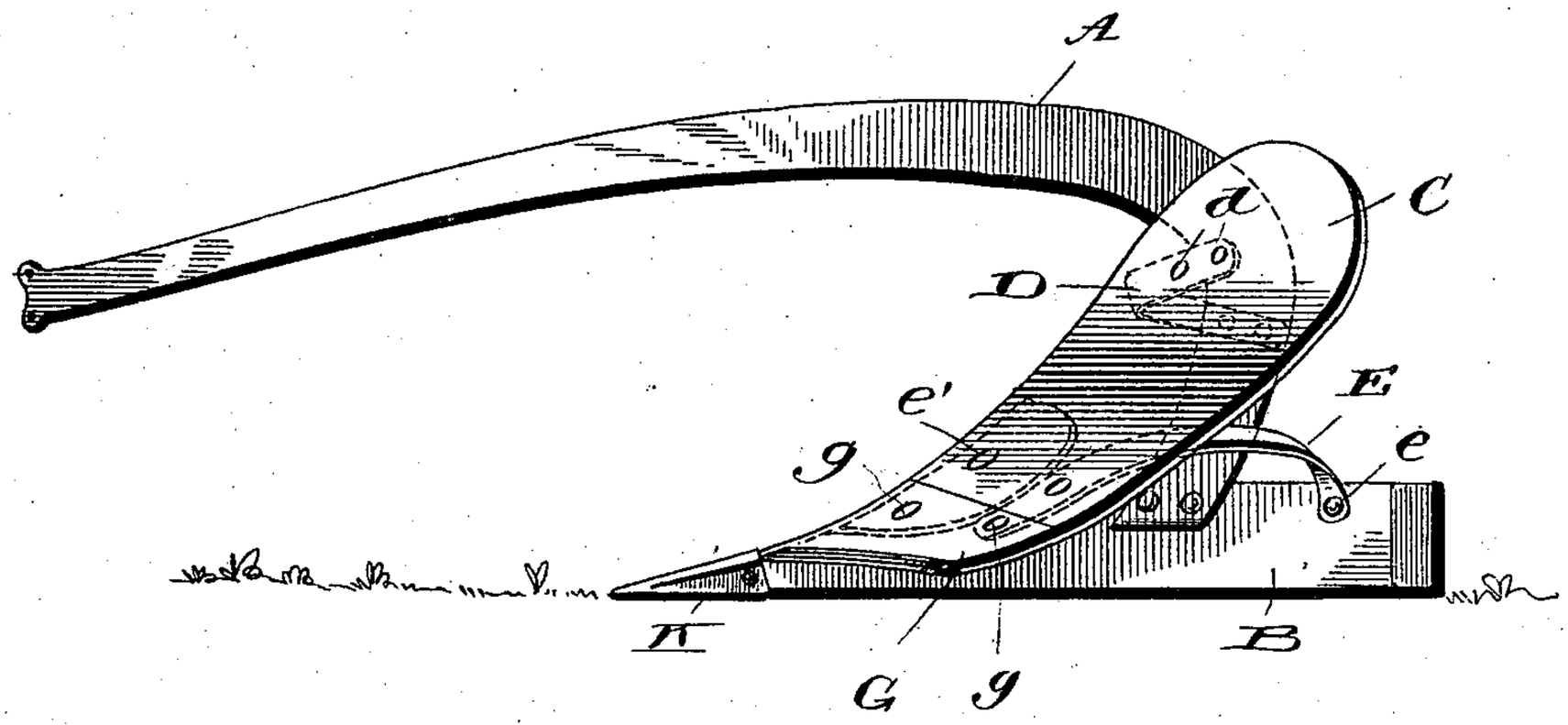


Fig. 3.

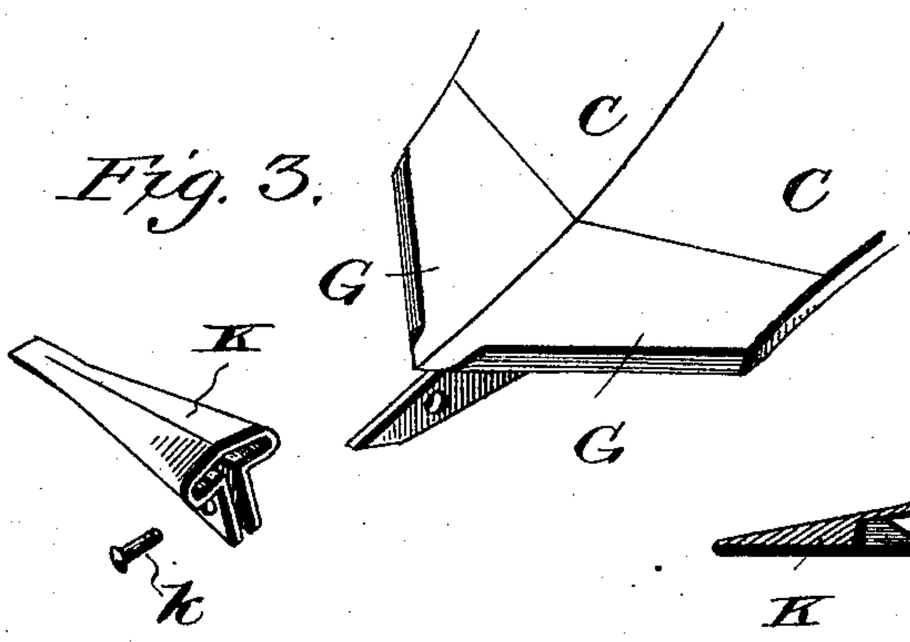
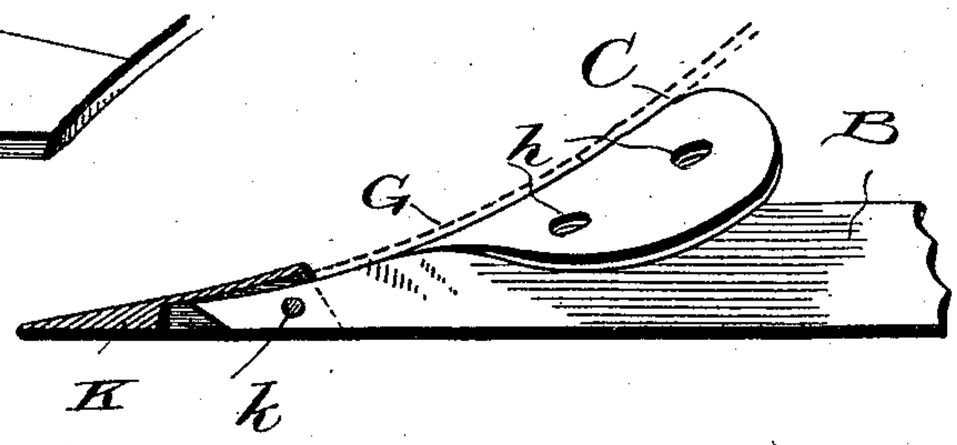


Fig. 2.



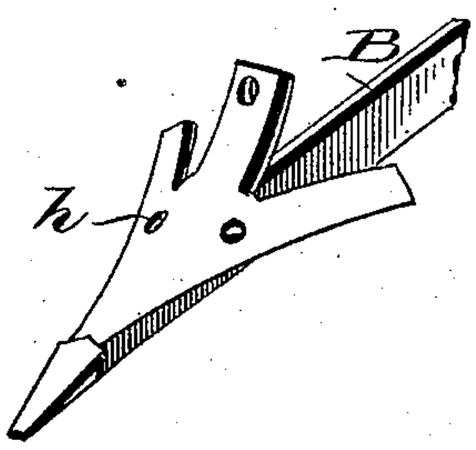


Fig. 4

Witnesses:
L. C. Hills
A. L. Hough

Inventor:
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Atty.

UNITED STATES PATENT OFFICE.

DE WITT CLINTON HAYSLIP, OF CIRCLEVILLE, TEXAS.

CULTIVATOR-PLOW.

SPECIFICATION forming part of Letters Patent No. 575,507, dated January 19, 1897.

Application filed October 21, 1896. Serial No. 609,566. (No model.)

To all whom it may concern:

Be it known that I, DE WITT CLINTON HAYSLIP, a citizen of the United States, residing at Circleville, in the county of Williamson and State of Texas, have invented certain new and useful Improvements in Cultivator-Plows; 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.

This invention relates to certain new and useful improvements in sectional moldboard-plows, and especially to an implement of this character which is capable of being easily taken apart and put together when it is desired to replace the points or shares.

The invention consists, further, in the construction of a cultivator-plow having a socket which is removably held to the bar of the cultivator and which is provided to hold the removable boards, which may be bolted to the wings of the said bar, the shape of the bar being varied to fit either double-cut or sweep plows; but in each case a socket is either welded on or removable.

To these ends, and to such others as the invention may pertain, the same consists, further, in the novel construction, combination, and adaptation of parts, as will be hereinafter more fully described and then specifically defined in the appended claim.

I clearly illustrate my invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings—

Figure 1 is a side elevation of my plow with its point adjusted thereon. Fig. 2 is a vertical longitudinal section through the point. Fig. 3 is a perspective view of the point removed from the share. Fig. 4 is a perspective view of the point cast solid with the bar.

Reference being had to the details of the drawings by letter, A designates the plow-beam, which is secured at its lower end to the bar B, and C C are shares which are bolted to the strips D, which strips are secured to the plow-beam by means of the rivets or bolts *d*.

E E are braces which are secured in the rear ends to the said bar B by means of bolts or rivets E. The forward ends of the said braces E E are held to the lower ends of the shares C by means of the bolts *e'*. A portion of each brace E, extending below the lower end of each share, is connected to a moldboard G by means of bolts *g*.

H H are wings, which are preferably cast with the bar B and are provided with apertures *h*, through which bolts are passed to secure the braces E E and the moldboards and shares together.

A portion of the bar B which extends forward in advance of the moldboards is perforated and is designed to receive the socket K, which socket is bolted to the said extension of the bar by means of the bolt *k* in such a way that the lower edge of the aperture in the socket will be flush with the upper curved edge of the bar B, which socket is provided to receive the points of the removable moldboards G.

If preferable, the socket may be made integral with the bar or may be, as above referred to, removable and made of any suitable material, as of rock, cast-iron, or steel. When the socket is designed to be removed, it may be held securely in place by means of a rivet or bolt, whereby the socket may be easily and quickly removed in case of excessive wear when it is desired to replace the same.

I have illustrated in my drawings a bar, showing its application to the sweep, and also another view showing how a short bar is attached by a single bolt, while in another sketch is shown its application to a solid sweep or shovel plow. Various shapes and minor changes in the construction of my plow may be made, however, whereby the plow may be made to run steadily and in a straight line without materially departing from the spirit of my invention.

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

In combination with the bar B having its for-

ward end inclined and apertured, the socket K having two parallel downwardly-projecting portions forming between same a channel adapted to receive the inclined end of the bar B, the said downwardly-extending portions being bent outward at right angles thereto, the lower inner walls of which socket are flush with the inclined edge of the said bar when the two are fastened together, substantially as shown and for the purpose set forth.

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

DE WITT CLINTON HAYSLIP.

Witnesses:

C. M. WILLIAMS,

C. R. PAYNE.