B. J. PIKE.

HOE.

APPLICATION FILED JUNE 3, 1918.

1,282,930. Patented Oct. 29, 1918.

Fig. 1.

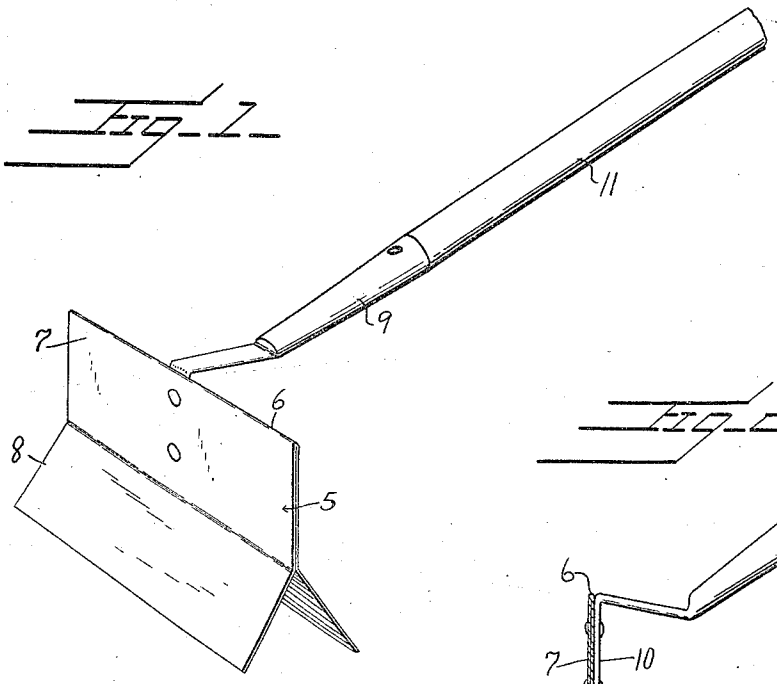
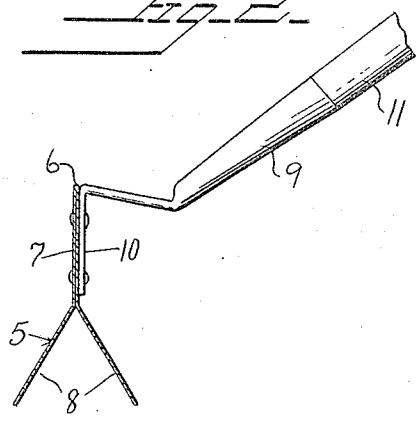


Fig. 2.



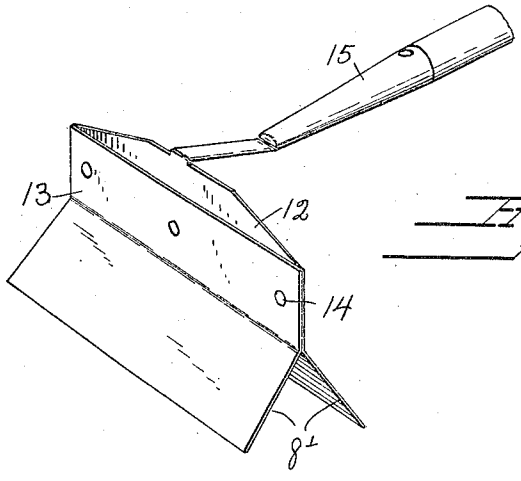


Fig. 3.

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UNITED STATES PATENT OFFICE.

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HOE.

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To all whom it may concern:

Be it known that I, BENJAMIN J. PIKE, a citizen of the United States, residing at Mauk, in the county of Taylor and State of Georgia, have invented certain new and useful Improvements in Hoes, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to an improved hoe, and has for its primary object to provide a very simply constructed tool of this character for removing weeds or hoeing or chopping cotton, peanuts, and similar agricultural products, whereby the work may be greatly expedited and the manual labor incident thereto reduced to a minimum.

It is another and more particular object of the invention to provide a hoe having opposed divergently extending blade portions which respectively perform a cutting action when the hoe is moved forward and backward away from or toward the operator.

It is another important object of the invention to provide a hoe as above characterized which may be simply constructed from a single metal plate, and which will likewise be exceedingly strong and durable, as well as convenient and serviceable in practical use.

With the above and other objects in view, the invention consists in the improved combination, construction and relative arrangement, of the several parts as will be hereinafter more fully described, subsequently claimed and illustrated in the accompanying drawing in which similar reference characters designate corresponding parts throughout the several views, and wherein:—

Figure 1 is a perspective view illustrating one embodiment of my improved hoe;

Fig. 2 is a transverse section through the double hoe blade; and

Fig. 3 is a perspective view illustrating a slightly modified form of the device.

Referring in detail to the drawing, and more particularly to Figs. 1 and 2 thereof, 5 designates a metal plate which is bent upon itself intermediate of its ends, as at 6. The medial portions 7 of this plate are closely engaged, while the end portions 8 thereof are angularly bent or extended away from each other in diverging relation. This hoe plate or blade may be of any desired width, and is of the requisite thickness and strength, to withstand all ordinary strains to which it might be subjected without bending or displacing the several parts thereof from their proper relative positions.

9 designates a tubular socket member which tapers longitudinally and is formed at its smaller end with an angularly extending shank 10, which is adapted to be securely riveted, welded, or otherwise fixed to the opposed contacting portions 7 of the hoe plate. In the socket member 9, one end of a suitable handle 11 is secured in any preferred manner.

In Fig. 3 of the drawing, I have shown the hoe constructed from two separate plates, 12 and 13 respectively, the opposed contacting portions of which are riveted together as at 14. These plates are likewise provided with angular portions 8′, which are disposed in diverging relation to each other as in the preferred embodiment of the invention. The plate 12 may be provided upon its upper edge with an integral extension to be formed into a handle receiving socket 15. If desired, however, this socket may be separately formed and riveted or otherwise secured to the plate.

In the use of my invention, in either form thereof as above described, the operator moves the double blades alternately in opposite directions toward and away from himself, and in doing so the longitudinal cutting edges of the diverging portions 8 are respectively engaged with the ground or the plants to cut or chop the same. Thus, a relatively large field of growing crops can be covered and properly hoed in a comparatively short time. It will also be appreciated that by means of my invention the manual labor incident to such work will be greatly reduced. Owing to the very simple construction of the device, it will be apparent that the hoe can be manufactured at very small cost, is exceedingly strong and durable, and therefore highly serviceable for the purpose in view.

While I have herein illustrated what I believe to be the preferred embodiments of the invention, it is to be understood that the device is susceptible of considerable modification and I, therefore, reserve the privilege of adopting all such legitimate changes as may be fairly embodied within the spirit and scope of the invention as claimed.

I claim:—

1. A hoe having a pair of working blades both extending downwardly in the operative

position of the hoe and in divergent relation to each other, one blade projecting forwardly and the other in a rearward direction.

2. A hoe comprising a plate medially bent upon itself and having its end portions extended in opposed diverging relation at an acute angle with respect to each other.

3. A hoe comprising a plate medially bent upon itself and having permanently connected contacting portions and an edge portion extending at an obtuse angle with relation to each of the contacting portions of said plate, said edge portions of the plate being spaced from each other to provide independently operable working blades.

4. A hoe comprising a plate medially bent upon itself, the intermediate portions of the plate being in close contacting relation and the end portions of said plate extending in opposed divergent relation to each other, and handle attaching means for the plate.

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

BENJAMIN J. PIKE.

Witnesses:
A. H. HENDRICK,
R. M. JINKS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."