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# UNITED STATES PATENT OFFICE.

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HOE.

No. 922,202.

Specification of Letters Patent.

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*To all whom it may concern:*

Be it known that I, EDWARD SENN, a citizen of the United States, residing at Egg Harbor City, county of Atlantic, and State of New Jersey, have invented a certain new and useful Improvement in Hoes, of which the following is a specification.

My invention relates to a new and useful improvement in hoes, and has for its object to provide an exceedingly simple and effective device of this character whereby the blade and socket thereof may be made from one piece of sheet metal; a further object of my invention is to construct a hoe which will be strong and durable but which will be reasonable in cost.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a plan view of the blank from which my improved hoe is formed. Fig. 2, a perspective view of my improved hoe, the handle being removed, Fig. 3, a side elevation of the same, a portion of the handle being broken away, and Fig. 4, is a view partly in section clearly showing the raised strengthening portion of the hoe.

In carrying out my invention as here embodied, A represents a blank made from any suitable metallic material which is cut to form the blade B and the socket portion C. Both ends of the socket portion C are bent over and curved as clearly shown in Fig. 2 so

as to form the socket D. In this socket are formed the screw receiving openings E through which screws may be passed then threaded into the handle F for holding the socket and blade to said handle.

The neck portion G between the socket portion C and the blade B is given a half turn as indicated at H so that this portion will be thoroughly braced and strengthened thus preventing it from breaking at this point.

In order that the blade B may be strengthened especially in the case of very large or wide hoes said blade might have corrugations I or the raised portion J formed therein which will prevent said blade from bending.

Of course I do not wish to be limited to the exact details of construction here shown as these may be varied without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful, is—

1. In a hoe, a blade and socket formed from a blank the neck portion being twisted a half turn for strengthening said neck portion which runs between the blade and socket, a handle, and means for securing said handle to the socket, as specified.

2. In a hoe, a blade and socket formed from a blank, the neck portion thereof being twisted a half turn for strengthening said neck portion which runs between the blade and socket, corrugations formed on the blade, a handle, and means for securing said handle to the socket, as shown and described.

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses.

EDWARD SENN.

Witnesses:

HEMANT DIETZ,

ANTHONY VAUTRINOT.