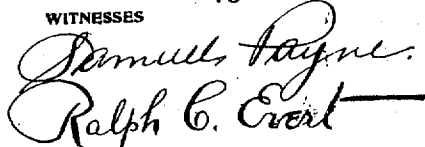


1,023,665.

Patented Apr. 16, 1912.



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SCYTHE.

1,023,665.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES LAMOREAUX, a citizen of the United States of America, residing at Glassport, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Scythes, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to scythes, and more particularly to a fastening means for detachably connecting the blade of the scythe to the handle bar.

The primary object of my invention is the provision of a positive and reliable means, in a manner as will be hereinafter set forth, for detachably and adjustably connecting a scythe blade to the handle bar, without resorting to an expensive construction.

Another object of this invention is to provide a blade fastener that is durable, not liable to injury by ordinary use, easy to manipulate, and highly efficient for the purposes for which it is intended.

With the above and other objects in view, the invention resides in the novel construction, combination, and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein like numerals denote corresponding parts throughout the several views, in which:—

Figure 1 is a side elevation of a scythe in accordance with this invention. Fig. 2 is an enlarged plan of the blade fasteners. Fig. 3 is a cross sectional view of the same. Fig. 4 is a perspective view of a detached clamping plate, and Fig. 5 is a side elevation of a detached bolt.

The reference numeral 1 denotes a handle bar having a handle 2. Riveted, or otherwise connected, as at 3, to one end of the bar 1 is a tubular holder 4, preferably made of an ordinary piece of tubing. The holder 4 is cut or sheared upon one side, as at 5 and the cut or sheared material bent outwardly to provide lateral lugs 6 and 7, the latter being of a greater area than the former. These lugs are oppositely disposed, and the lug 7 is provided with a plurality of openings 8.

The reference numeral 9 denotes a scythe blade having a shank 10 and this shank is placed upon a clamping plate 11 movably arranged upon the lugs 6 and 7. The clamp-

ing plate has longitudinal converging ribs 12 engaging the side edges of the shank 10 and the edges of said clamping plate are cut away, as at 13 for a purpose that will presently appear. One end of the plate 11 is reduced and provided with a depending pin 14 adapted to engage in one of the openings 8. The shank 10 and the plate 11 are retained upon the lugs 6 and 7 by an eye bolt 15 having a head 16 provided with an opening 17 to receive the plate and the shank 10. The bolt 15 is arranged in the holder 4 with the threaded end thereof extending through an opening 18 in said holder. A nut 19 is screwed upon the bolt to retain the bolt in engagement with the holder and the shank 10 and the plate 11 clamped upon the lugs 6 and 7.

The holder 4 is cut away, as at 20 to cooperate with the cut away portions 13 of the plate 11 in providing clearance for the eye bolt.

Certain of the openings 8 are designated 8^a and these openings 8 and 8^a permit of an ordinary scythe blade being secured in engagement with the holder 4 by hold fast devices extending through the shank of the ordinary blade and through said openings, the shank being positioned against the lug 7, and when used in such a manner, the eye-bolt 15 and plate 11 are dispensed with.

The nut 19 and the eye-bolt 15 constitute a clamping means that is housed within the holder 4, and by loosening the nut 19, the bolt 15 is sufficiently released to permit of the pin 14 being placed in either of the openings 8. In consequence of this construction, the blade 9 can assume three positions relatively to the holder, one position being at right angles to the holder, and the other two positions at acute and obtuse angles.

I attach considerable importance to the formation of the lugs 6 and 7, and to the fact that the shank 10 is easily formed.

I reduce the expense of manufacturing the blades and provide a more durable holder, owing to the fact that the same is made of malleable metal and is capable of withstanding hard use.

While in the drawings there is illustrated the preferred embodiment of the invention, it is to be understood that the structural elements are susceptible to such variations and modifications as fall within the scope of the appended claims.

What I claim is:—

1. In a fastening means for the blade of a scythe, a tubular holder cut and sheared to provide lateral lugs with one of said lugs having openings formed therein, an eye-bolt adjustably held within said holder, and a plate held by said eye-bolt and having projecting ribs adapted to adjustably and detachably engage and retain the shank of a scythe blade in engagement with said lugs.

2. In a fastening means for the blade of a scythe, a tubular holder having an opening formed therein, a clamping plate arranged over said opening and adapted to support the shank of a scythe blade, said plate provided with converging ribs for engaging the shank of the blade to secure the latter in position, and means including an eye-bolt housed with said holder for retaining said clamping plate and the shank of the scythe blade in engagement with said holder.

3. In a fastening means for a scythe blade, the combination with the blade having a tapering shank of a tubular holder provided with a pair of lugs, one of said lugs having openings, a clamping plate mounted upon said lugs and engaging in one of said openings and provided with a pair of converging ribs disposed oppositely with respect to said shank and forming a means for retaining the shank from longitudinal

movement in one direction, and means engaging with said holder for connecting the plate and shank to the holder.

4. In a fastening means for a scythe blade, the combination with the blade having a tapering shank, of a holder, a clamping plate positioned upon and adjustably engaging with said holder, said plate provided with a pair of ribs converging in correspondence with the taper of the shank and engaging with the shank to prevent longitudinal movement thereof in one direction, and means for securing the shank and plate to said holder.

5. In a fastening means for a scythe blade, the combination with the blade having a tapering shank, of a holder, a clamping plate positioned against and adjustably engaging with said holder, said plate provided with a pair of ribs converging in correspondence with the taper of the shank and engaging with the shank to prevent longitudinal movement thereof in one direction, and an eye-bolt carried by the holder and engaging the plate and shank for connecting them to the holder.

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

CHARLES LAMOREAUX.

Witnesses:

MAN H. SROLOVITZ,
CHRISTINA T. HOOD.