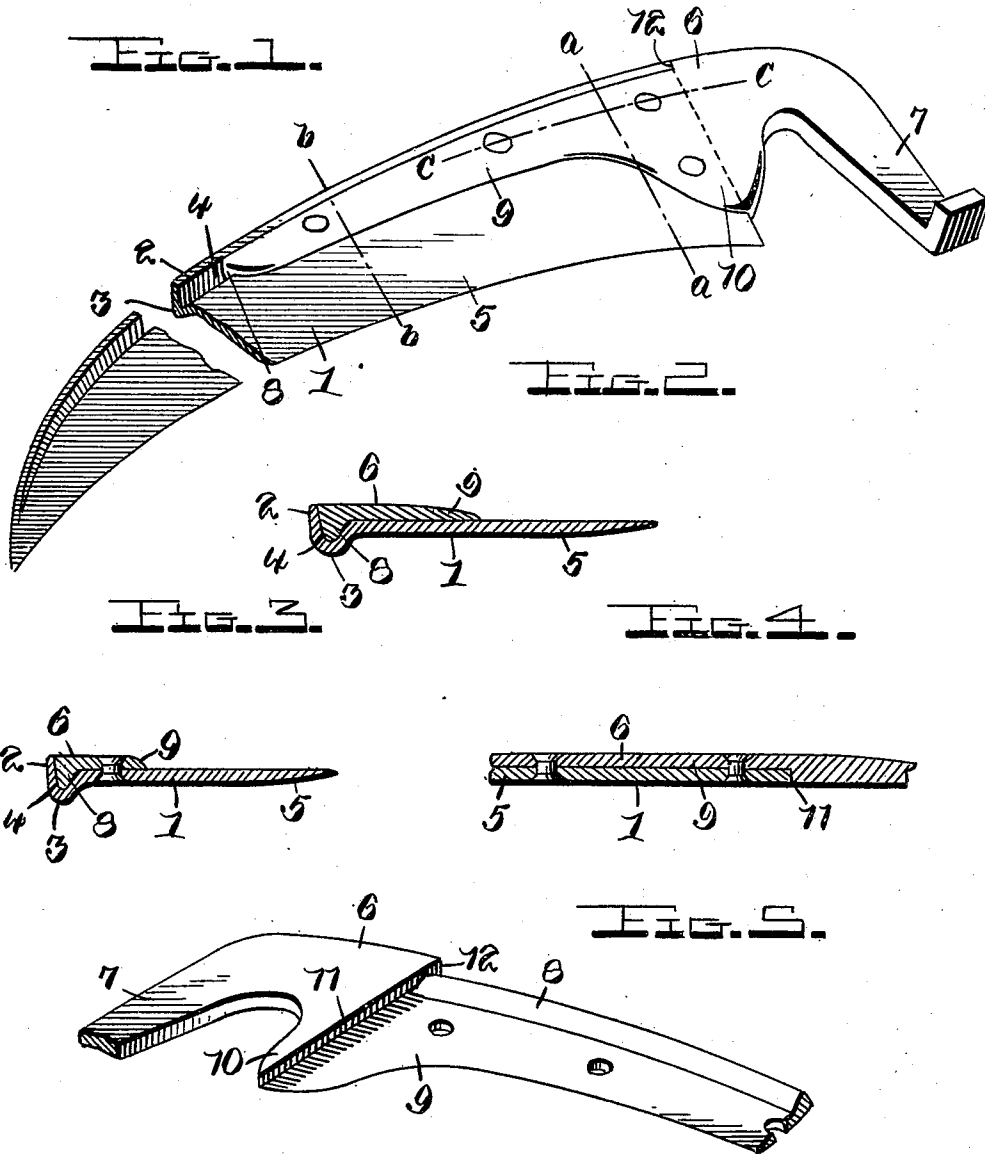


M. M. BARTLETT.
SCYTHE.
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Patented May 16, 1911.



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SCYTHE.

992,476.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MARCUS M. BARTLETT, a citizen of the United States, residing at Winsted, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Scythes, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in scythes, particularly with reference to the construction of the scythe blade, and to the combination therewith of a tang and back support for attachment to the heel end of the blade, one object of the invention being to effect means in the construction of the blade whereby the same is rendered extremely strong and durable, while being light and requiring but a minimum quantity of material in its construction, another object of the invention being to provide an improved form of tang and back support for the heel end of the blade.

My invention consists in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawings—Figure 1 is a perspective view of the heel portion of a scythe blade constructed in accordance with my invention, and also showing my improved tang and back support in connection therewith. Fig. 2 is a transverse sectional view of the same on the plane indicated by the line *a-a* of Fig. 1. Fig. 3 is a similar view on the plane indicated by the line *b-b* of Fig. 1. Fig. 4 is a longitudinal sectional view of the same on the plane indicated by the line *c-c* of Fig. 1, and Fig. 5 is a detail inverted perspective view of a portion of the back support and tang.

In accordance with my invention, the scythe blade 1 is made of sheet steel, and is formed at its rear edge with an upwardly extending inclined flange 2, and on its under side with a strengthening bead 3, the front face of which converges downwardly and rearwardly to the back flange 2, a substantially V-shaped channel 4 being formed in the upper side of the blade at the back flange 2. The web 5 of the blade is gradually narrowed toward its front edge, the front edge being sharpened as usual. By thus forming the blade with the integral back flange and bead, the blade is rendered extremely strong and durable, the flange and the bead coacting to strengthen the

blade and prevent the blade from being bent out of shape.

In connection with my improved scythe blade, I also provide a combined tang and back support comprising an arm 6 to bear on the blade at the heel end thereof, and the tang 7 which extends forwardly from and is united to the outer end of the said arm 6. The arm 6 has its rear edge curved and adapted to fit against the front side of the back flange 2 of the blade, and is also provided at its rear edge with a downwardly extending V-shaped tongue or rib 8 which fits in the channel 4, the web 9 of the said arm bearing on the web of the blade and being widened as at 10 at the heel end of the blade. In the angle between the arm 6 and the tang 7, and on the under side of the arm 6, is a transverse shoulder 11 which bears snugly against the heel end of the scythe blade, a shoulder 12 being formed on the rear side of the back and which bears against the heel end of the back flange 2 of the scythe blade.

The combined back and tang are in practice preferably made of iron to reduce the cost of the construction of the scythe.

In practice the back is secured to the heel end of the blade by any suitable means. It will be understood that the back in addition to carrying the tang for the attachment of the handle, also serves to materially strengthen the blade of the scythe.

I claim:—

1. The herein described scythe blade having a longitudinal back flange, a bead on its under side at its rear edge substantially parallel with said flange, and united to the said back flange, said blade having a channel in the upper side of the scythe blade immediately in front of the said back flange opposite said bead, in combination with a back secured on the upper side of the blade, the said back having a tang and an arm, the said arm bearing on the heel portion of the scythe blade, and against the back flange thereof, and also having a bead or rib engaging the said channel, the said back being further provided with a shoulder on its under side bearing against the heel end of the blade, and with a shoulder on its rear side bearing against the heel end of the back flange of the blade.

2. In combination with a scythe blade having a longitudinal back flange, and a channel substantially parallel with said

flange in its upper side immediately in front
of said back flange, a back secured on the
scythe blade and having a tang and an arm,
the said arm bearing on the heel portion of
5 the scythe blade, and against the back flange
thereof, and also having a bead or rib en-
gaging the said channel, the said back be-
ing further provided with a shoulder on its
under side bearing against the heel end of

the blade, and with a shoulder on its rear 10
side bearing against the heel end of the back
flange of the blade.

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

MARCUS M. BARTLETT.

Witnesses:

JOHN MAHER,
FRANCIS SAGE.

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