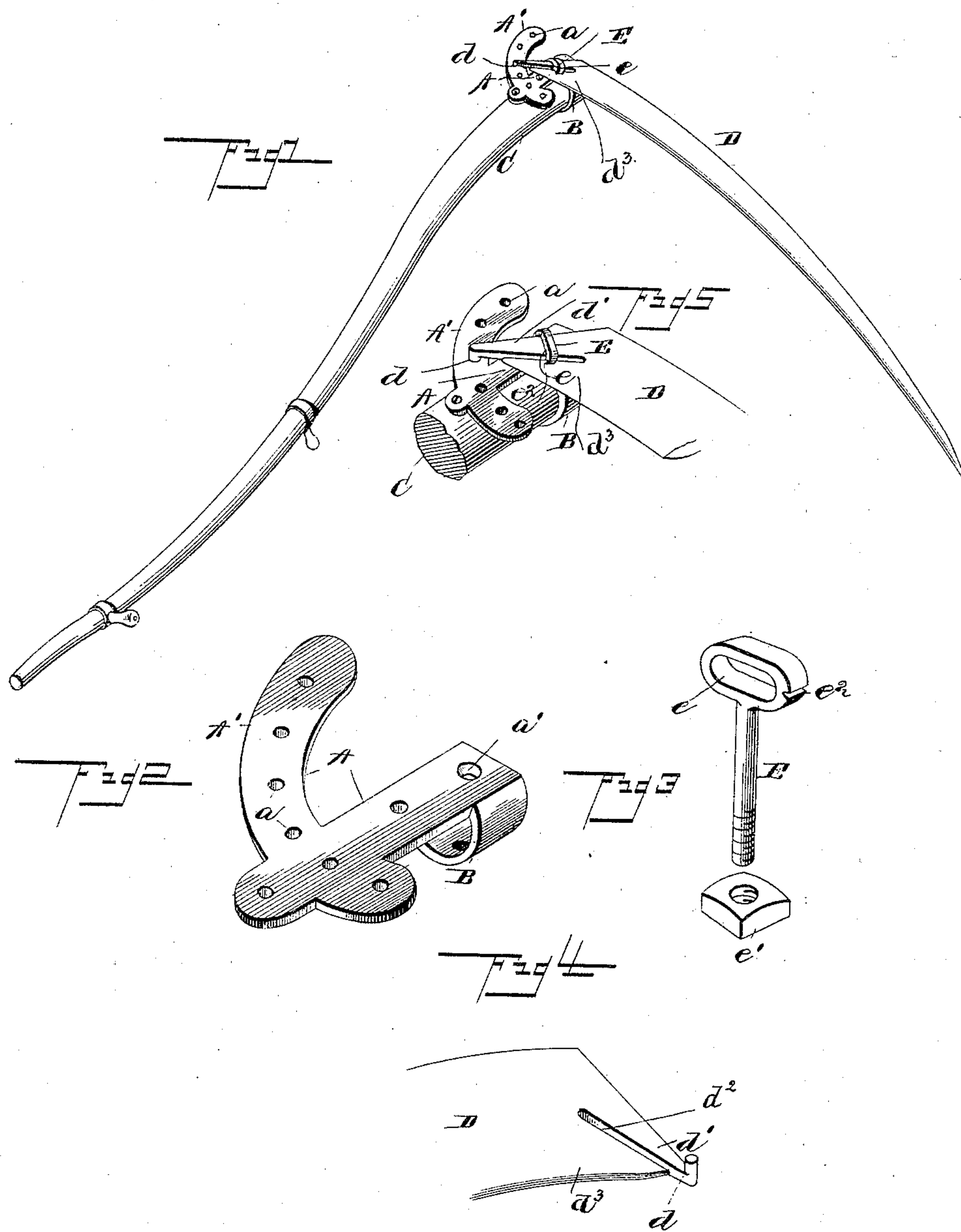


(No Model.)

J. M. DAIN.
SCYTHE.

No. 436,474.

Patented Sept. 16, 1890.



Witnesses

John Laurie
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JAMES M. DAIN, OF ASHMORE, ILLINOIS.

SCYTHER.

SPECIFICATION forming part of Letters Patent No. 436,474, dated September 16, 1890.

Application filed November 21, 1889. Serial No. 331,065. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. DAIN, a citizen of the United States, residing at Ashmore, in the county of Coles and State of Illinois, have invented a new and useful Scythe, of which the following is a specification.

The invention relates to improvements in scythes.

The object of the present invention is to provide a simple and inexpensive scythe-blade and improve the attachment of the blade to the snath, and render the blade capable of being adjusted to various positions to suit the operator, and of being securely held in any position, in which the same may be adjusted.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a scythe provided with the attachments. Fig. 2 is a detail view of the plate. Fig. 3 is a detail view of the screw-eye. Fig. 4 is a detail view of the end of the blade. Fig. 5 is a detail enlarged view showing the snath and scythe-blade and the adjusting devices.

Referring to the accompanying drawings by letter, A designates a plate, which is formed integral with a ring or ferrule B, surrounding the heel of the snath C. This plate A is secured to a chamfered portion of the snath by means of screws or bolts passing through the perforations of the plate, and the latter is provided with an integral curved plate A', which has a series of openings or slot *a*, that are designed to receive the toe *d* of the shank *d'* of the scythe-blade D, which is swiveled to the plate, whereby when the toe *d* of the shank is adjusted in the hole or slots *a* of the curved plate, the end of the blade D is brought nearer to or farther from the snath C, and by this means is adjusted to any desired position. The end of the plate A is provided with a perforation *a'*, which extends through the heel of the snath and the ring or ferrule, and is adapted for the reception of an eyebolt E, that is provided with an elongated eye *e*, that receives the shank *d'* and swivels the scythe-blade to the plate, the screw-eye being

held in the perforation *a'* by a nut *e'*, which engages its threaded end. The blade is curved and is provided with a slanting shank, and has a protruding toe or back point arranged well back, and the said blade is provided with a slot *d²*, that is arranged at an angle to the end of the blade and forms the shank well back into the blade and increases the strength of the blade at a point where it is most liable to break, and the eyebolt has one side of the eye arranged in the slot *a'*, and provided with a groove *e²*, which receives the opposite edge or corner of the blade and enables the shank to be well slanted. The groove 12 in the eyebolt supports the heel portion *d³*, and this heel portion is especially advantageous, as three or four inches of cutting-edge are gained at a point where it is necessary. In cutting woods or thick stalks the plants are apt to slide in the angle of the scythe, and if the blade be not continuous to the snath there will be difficulty in cutting. I provide for this by the heel extension, as heretofore stated.

From the foregoing it will be clearly seen that the device is simple and cheap in its construction and enables the scythe-blade to be quickly attached to the snath and to be readily adjusted at any desired angle relative thereto.

Having thus described my invention, what I claim is—

1. The combination, in a scythe, of the plate A provided with a curved bar having a series of holes or openings, the screw-eye swiveled to the plate and having an elongated eye and provided with a groove, and the scythe-blade having the heel portion *d³*, fitting in said groove and provided with a slot arranged at an angle to its end and forming a slanting shank fitting in the elongated eye and securing the blade to the plate, and having a protruding toe or back point engaging one of the holes or openings of the plate, substantially as described.

2. The combination, in a scythe, of the plate having an integral ring or ferrule B, and a curved bar provided with a series of holes or openings, the screw-eye having an elongated eye and groove, and the scythe-blade having a slot arranged at an angle to its end and

receiving one side of the eye of the screw
and forming a slanting shank fitting in the
elongated eye, and a heel portion d^3 , fitting
in the groove of the screw-eye, and a toe engag-
5 ing one of the openings of the curved bar, sub-
stantially as and for the purpose described.
In testimony that I claim the foregoing as

my own I have hereto affixed my signature in
presence of two witnesses.

JAMES M. DAIN.

Witnesses:

C. M. CLAIN,

ALBERT HAWKINS.