(No Model.)

D. THOMPSON.

SCYTHE SNATH FASTENING.

No. 328,363. Patented Oct. 13, 1885.

FIG. 1.

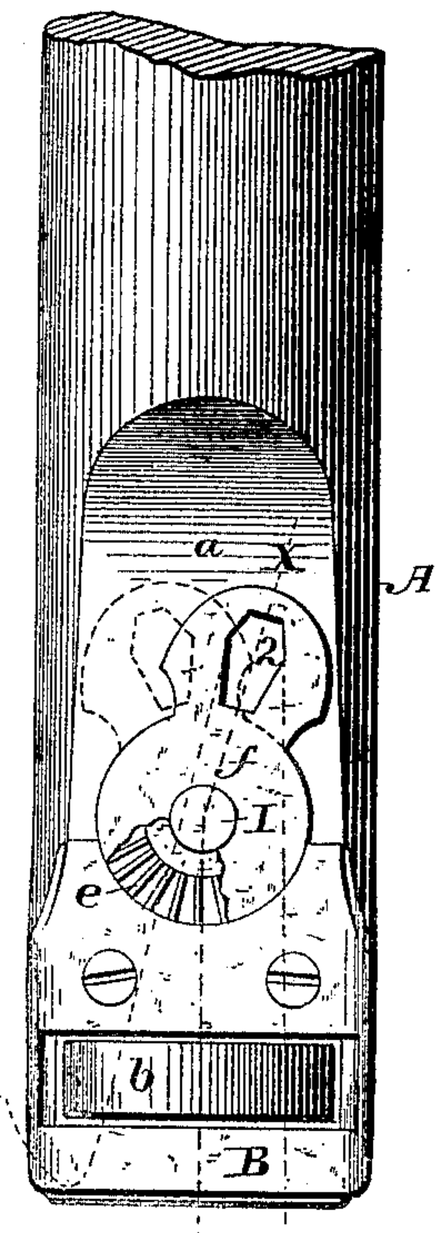


FIG. 2.

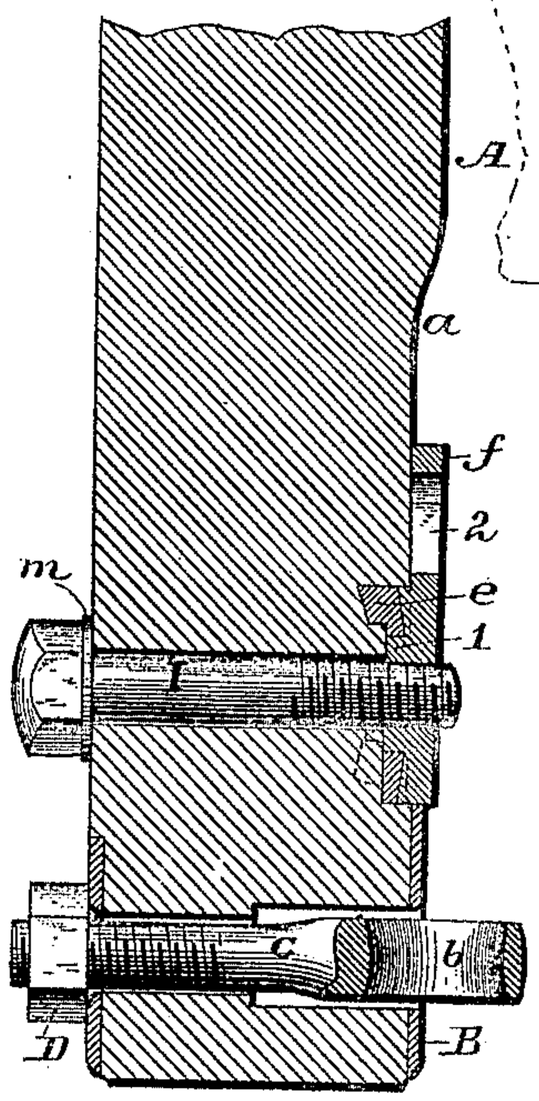
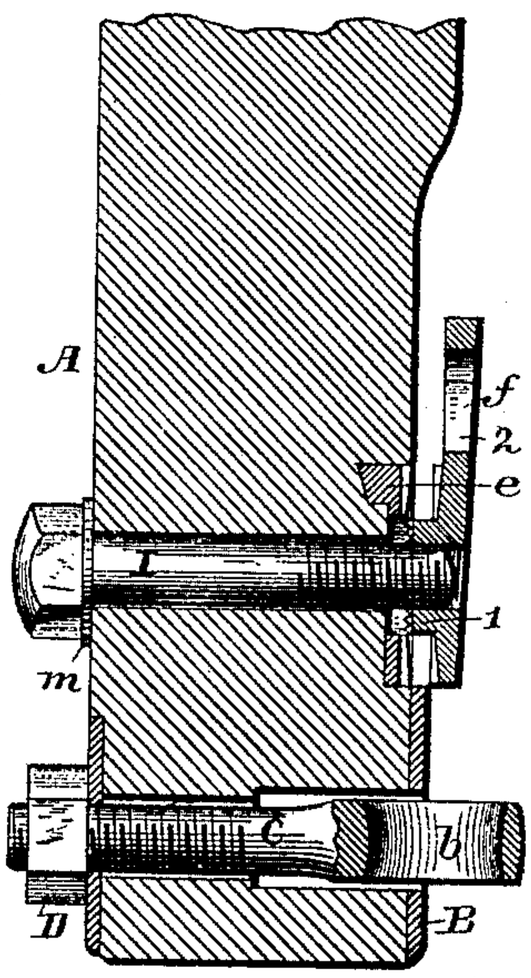


FIG. 3.



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SCYTHE-SNATH FASTENING.

SPECIFICATION forming part of Letters Patent No. 328,363, dated October 13, 1885.

Application filed June 26, 1884. Serial No. 136,095. (No model.)

To all whom it may concern:

Be it known that I, DANIEL THOMPSON, of Ovid, in the county of Clinton and State of Michigan, have invented certain new and useful Improvements in Scythe-Snath Fastenings; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this application.

My invention relates more particularly to that style or type of scythe-fasteners in which (as shown, for instance, in the United States Reissued Patent No. 9,637) the tang of the scythe is held near its root within a clamping-loop, and has a projection or lug near its end engaged with an apertured holder device that is adjustable for the purpose of varying the "hang" of the scythe; and my said invention consists, essentially, in the novel construction and combined arrangement of devices that will be hereinafter more fully explained, and that will be found particularly pointed out in the claim of this specification.

To enable those skilled in the art to which my invention relates to make and use my improved contrivance, I will now proceed to more fully describe its construction and operation, referring by letters to the accompanying drawings, in which I have shown my invention carried out in that form in which I have, so far, successfully practiced it.

In the drawings, which form part of this specification, Figure 1 is a face view of the heel portion of a scythe snath or handle provided with my improved fastener contrivance. Fig. 2 is a longitudinal section thereof at the line *x x* of Fig. 1. Fig. 3 is a view similar to Fig. 2, but showing the adjustable or swinging plate loosened up and in condition to be moved or adjusted, as and for the purpose to be hereinafter explained.

At Fig. 1 I have shown by dotted lines and full lines two of the different positions in which the adjustable holder-plate may be set, and in the several figures the same parts will be found always designated by the same letter of reference.

A is the lower portion of an ordinary snath having the usual depression or cut-away at *a*, and provided at its lower extremity with a metallic ferrule-like device, B, of about the well-known form, through which (and the stock of the snath A) passes the bolt or shank portion *c* and the base of the loop *b* of the ordinary eyebolt or loop-clamp that holds securely in place the root of the scythe-tang, and that is drawn down and securely fastened in place by the nut D, all as clearly illustrated.

Immediately above the upper edge of the ferrule-like casting B, (which upper edge is preferably depressed in semicircular form,) is located an annular cast-metal device, *e*, which is tightly fitted or seated in a circular depression or countersink in the stock of the snath A, and the upper surface of which is serrated or toothed, as shown, and immediately over this device is arranged the circular portion of the swinging or adjustable holder-plate *f*. This plate is formed, as shown, with a central hub-like portion, *l*, which fits and turns freely within the central opening of the device *e*, and is formed with an annular set of teeth or serrations, which engage with those of the device *e*. Said plate *f* is also formed with an aperture, 2, in its upwardly-extended portion, as seen, with which aperture engages the usual lug or projection on the end of the tang of the scythe.

I is a bolt, which passes through the snath, as shown, is located concentrically of the annular toothed device *e*, and engages at its threaded portion with the eye or hole in the circular portion of *f*, (which is tapped out to match the screw-thread on said bolt,) all as clearly illustrated. The bolt I is preferably provided with a washer, *m*, between its head and the bearing-surface on the snath A, in order that the head may not impinge on or cut into the wooden stock, and so that it may always turn freely in loosening and retightening the bolt.

It will be understood from the drawings, together with the foregoing description of the construction and arrangement of the parts, that the threaded end of bolt I serves the double function of a pivoted stud, on which the plate *f* may be vibrated, to set it in different positions, (when said bolt shall be unscrewed to the extent sufficient to permit the teeth of said plate *f* and those of the de-

vice *e* to be disengaged,) and a fastener to draw the plate *f* home against and into a perfectly-interlocked condition with the fixture *e*.

The operation of my improved contrivance will be readily understood without much further explanation. The plate *f* having been set in any desired position, (that, for instance, shown in full lines in the drawings,) and securely fastened by turning home the bolt I, and the clamping-loop *b* having been sufficiently loosened, the tang of the scythe is passed through said loop *b* and its projecting lug entered in aperture 2 of the plate *f*. The loop *b* is then drawn home by turning the nut D, and the scythe-tang is securely clamped or made fast to the snath.

Whenever it may be desired to change the hang of the scythe, the operator sufficiently unscrews the nut D to permit the tang to be moved; then unloosens bolt I to an extent sufficient to allow the plate *f* to become disengaged from the toothed device *e*, and, having turned the plate *f* into another position, (that, for instance, illustrated by the dotted lines,) he turns the bolt I home again, thus effecting a secure re-engagement of the toothed portions of *f* and *e* in the changed position of the former.

To avoid the possibility of any turning or slip of the device *e* in its seat in the snath A, said device is preferably formed with one or more projecting nibs or chisel-like lugs that are sufficiently indented into the hard wood of A to effect a reliable securement of the casting to the wooden seat on which it rests.

Of course the sizes, shapes, and proportions of the parts, and their precise relative arrangement, may be varied more or less without departing from my invention so long as the shown and described principle of construction and mode of operation be retained.

By the construction and combination of devices shown, a simple and efficient contrivance, it will be seen, is produced, and one in which a single bolt-like device serves both as the pivot or pintle about which the adjustable plate *f* swings, and as the means for drawing home and fastening in place said plate *f*.

By the use of the serrated annular device *e* and the toothed plate *f*, combined as shown, a mere countersink of the hole for bolt I serves as the seat for the toothed device, to which the plate *f* may be locked in any of its different positions.

Having now so fully explained the construction and operation of my improved contrivance that any one skilled in the art can make and use it, what I claim as new, and desire to secure by Letters Patent, is—

In combination with the snath A, provided with the usual ferrule-like device, B, and clamping-eyebolt *b c*, the vibratory plate *f*, having its inner or under surface provided with an annular set of teeth or serrations, an annular toothed device, *e*, secured to the snath, and adapted to engage with the annular serrations of the plate *f*, and a bolt, I, which operates both as the pivot on which the plate *f* turns and also to clamp said plate in engagement with the device *e*, all substantially in the manner and for the purpose hereinbefore set forth.

In witness whereof I have hereunto set my hand this 23d day of June, 1884.

DANIEL THOMPSON.

In presence of—
E. C. WHITE,
H. E. SOUTHWORTH.