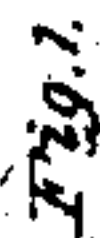
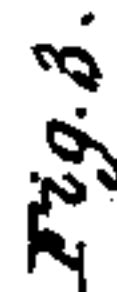


Scythe.

No. 69681.

Patented. Oct. 8, 1867.



Witnesses
J. R. Hale Jr
S. N. Piper

Samuel H. King
by his attorney
R. H. Lundy

United States Patent Office.

SAMUEL U. KING, OF WINDSOR, VERMONT.

Letters Patent No. 69,681, dated October 8, 1867.

IMPROVED SCYTHE-FASTENING.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, SAMUEL U. KING, of the town and county of Windsor, and State of Vermont, have invented a new and useful Mechanism for Fastening a Scythe-Blade to a Snath; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view,

Figure 2 an end elevation, and

Figure 3 a longitudinal section of such invention as applied to a snath.

Figure 4 is a transverse section taken through the adjustable bearer.

Figure 5 is another transverse section taken through the clamp.

In the drawings A denotes a metallic ferrule or socketed head, affixed on the end of a snath, B, and being in the form as represented. One side, *a*, of this ferrule is flat, and has a thin plate or arm, *b*, extended from it and along or up on the snath, in manner as shown in figs. 1 and 3. The flat side of the head has a slot, *c*, made through it to receive the yoke *e* of the clamp C, the rest of the clamp being a screw, *f*, which passes laterally into the metallic head, and is screwed into the yoke, the whole being as represented. Within the slot *c* and the metallic head is the adjustable bearer D, which is a plate of metal, provided at its lowest part with a series, *g*, of teeth to match with another such series, *h*, projecting from the head in manner, and arranged as represented in figs. 2, 3, and 4. There is an opening, *i*, in the end of the head. A stud or handle, *k*, projecting from the adjustable bearer extends through the said opening. By taking hold of this stud a person may easily disengage the teeth of the adjustable bearer from those of the head, and turn such bearer so as to set its scythe-tang supporting edge at such an angle with the flat face of the head as may be desirable, the two series of teeth being subsequently brought into engagement. Through the flat arm of the head I make an opening or slot, *l*, having its inner end serrated or formed with teeth, as shown at *m*. At its other end the opening is nearly circular, and constitutes the bearing *x* for the journal *n* of a flat arm, E. This arm not only has a slot, *o*, made through it for reception of the projection from the scythe-tang, but it has, on its end which is next the teeth of the slot *l*, a series of teeth, *p*, to match or engage with those of the said slot. The arm also projects over and rests on the teeth of the slot *l*, in manner as shown in fig. 3. A screw, *q*, going through the arm, is screwed into the snath, and serves to keep the arm in place after any adjustment of it either toward the right or to the left, as occasion may require.

Furthermore, the adjustable bearer I construct in two pieces or parts, formed in manner as shown at *r* and *s* in fig. 4, the parts *s* having a tooth, *t*, to enter a corresponding recess, *u*, made in the portion *r*. The object of thus making the bearer is to cause it, by the pressure of the clamp on the scythe-tang, to bear firmly against opposite sides of the socket of the bearer, so as to prevent any lateral movement of the bearer when the scythe-blade tang may be fixed to it by the clamp.

The bearer D, so applied to the metallic head and the clamp, affords a ready means of varying in one plane the position of the scythe-blade with respect to the snath. The arm E, applied to the head-arm in manner as specified, also presents another means of adjusting the scythe-blade in a plane at right angles with that hereinbefore mentioned, and thus we have all the necessary means of adjusting the blade with respect to the snath.

I am aware of the invention shown in the United States Patent, No. 18,326, granted to William T. Clemens, on the 6th day of October, A. D. 1857, and make no claim thereto. It covers an adjustable plate, a lever to receive the end of the tang, the whole being held in place by the loop or clamp and its screws. This means of holding the tang is very liable to change position while the scythe is in use. My tang-holder or arm E has the journal, and two sets of teeth for holding it in position and effecting its adjustment, whereby it cannot get out of adjustment when clamped down with the tang.

I claim as my invention—

The combination and arrangement of the adjustable bearer D and its two series of adjusting teeth, with the metallic head A and the clamp C applied thereto, as specified.

I also claim the bearer D, as made in two parts, *r s*, arranged in manner and for the purpose specified.

I also claim the combination and arrangement of the teeth *m p*, and the adjustable arm E, and the head A, substantially as described.

I also claim the application of the adjustable arm E to the plate *b*, by means of the journal extended from the arm, and by the bearing for such journal made in the plate, as specified, the same serving to relieve the screw *q* from lateral strain of the scythe-tang, such as would tend to loosen the screw in the snath.

SAMUEL U. KING.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.