J. SIMPSON.

Scythe-Snath Fastener.

No. 210,716. Patented Dec. 10, 1878.

Fig. 1.

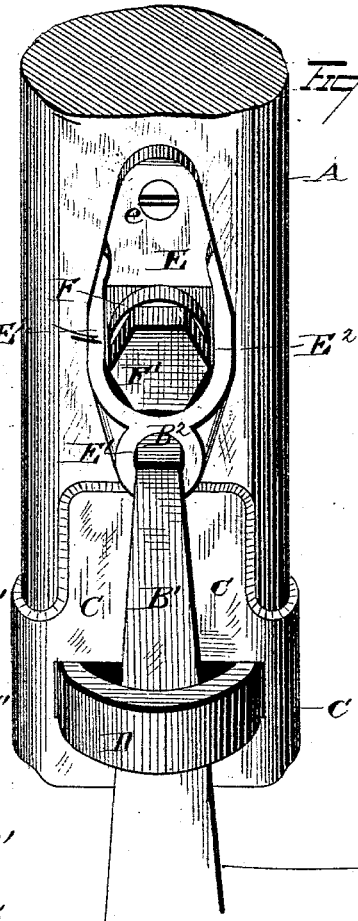


Fig. 2.

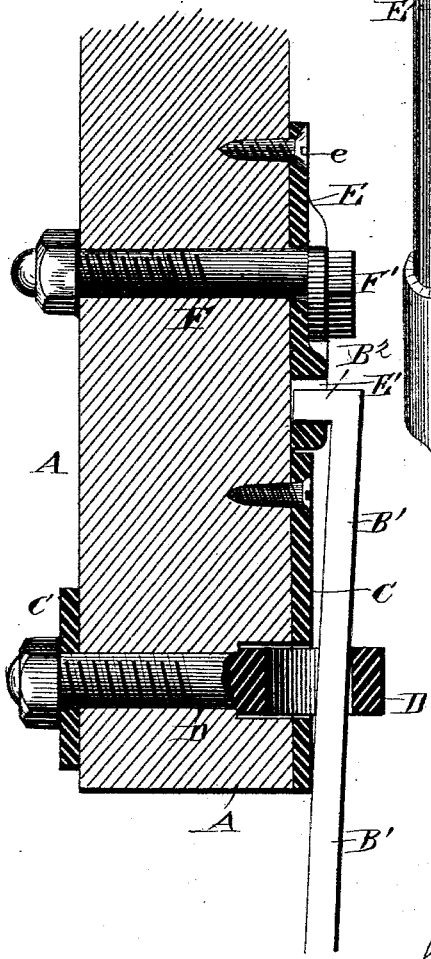


Fig. 4.

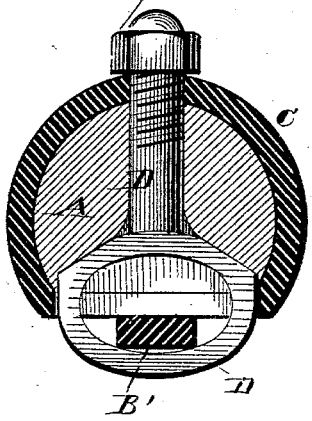
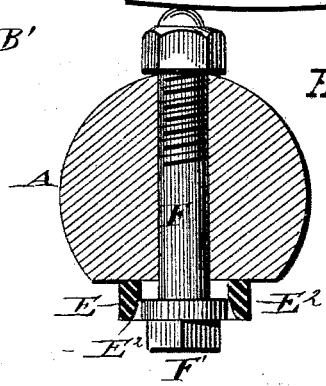


Fig. 3.



WITNESSES

E. F. Nottingham.

Geo. T. Symonds.

INVENTOR

John Simpson.

By Leggett & Leggett.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN SIMPSON, OF CLEVELAND, OHIO, ASSIGNOR TO SEYMOUR MANUFACTURING COMPANY, OF SEYMOUR, INDIANA.

IMPROVEMENT IN SCYTHE-SNATH FASTENERS.

Specification forming part of Letters Patent No. **210,716**, dated December 10, 1878; application filed October 30, 1878.

To all whom it may concern:

Be it known that I, JOHN SIMPSON, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Scythe-Snath Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to a new and useful improvement in scythe-snath fastenings; and consists in a socket for receiving the ear on the end of the scythe-shank, said socket being pivoted at one end, and capable of adjustment through small limits about the pivot, by a bolt passing through the socket-piece, and provided with a cam or eccentric head, by turning which the socket is adjusted so as to give to the scythe any desired set.

In the drawings, Figure 1 is a view, in perspective, of the device embodying my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is a view, in transverse section, through the snath and socket-plate, showing the combination of the cam-headed bolt therewith. Fig. 4 is a similar view, showing the snath, ferrule, and loop-bolt.

The object of this invention is to provide a socket into which the ear on the end of the scythe-shank may set, said socket being made adjustable, so as to regulate the set of the scythe, the adjustment being effected by means of a cam-bolt so constructed and arranged relatively to the socket-piece that any strain upon the socket-piece caused by resistance against the scythe will have no tendency to turn the cam-bolt, and consequently no tendency to rotate the socket-piece about its pivot, as will be hereinafter more fully set forth and claimed.

A is the snath; B, the scythe; C, the ferrule on the end of the snath, and through which the loop-bolt D passes. The bolt D is of the ordinary kind, and is for the purpose of securing the scythe to the snath.

B^1 is the scythe-shank; B^2, the ear at the end of the shank. E is the socket-piece, pivoted at *e* by a screw or other suitable device. E^1 is the socket proper, which receives the ear B^2. F is a bolt passing through the snath, and provided with a nut upon the other side. The bolt F is provided with a head, F′, made eccentric with the shaft of the bolt, or may be any suitable cam-head. The head F′, when the bolt is drawn in place, rests between the flanges E^2 on the socket-plate E, so that as the bolt F is turned, its eccentric-head impinging against the flanges E^2 will cause the socket-piece, and consequently the socket proper, to rotate through small limits about the pivotal point *e*, and by thus rotating the scythe is given any desired angle or set with respect to the snath.

It will be observed that any strain upon the snath causes a strain upon the socket-piece E in a direction to rotate the said piece about the pivot *e;* but the eccentric F′ is not caused to rotate by such a strain, but remains stationary against all strains except such as may be effected directly by a wrench upon the said bolt-head. It is therefore apparent that while this device affords ready means for adjusting the set of the scythe, it is not liable to displacement by any strain, however great, upon the scythe.

What I claim is—

1. The combination, with an eccentric or cam headed bolt, of a socket-plate in which the ear of the scythe-shank is adapted to be secured, said plate having a flange, with which the eccentric head of said bolt engages as it is turned in adjusting the set of the scythe, substantially as set forth.

2. The plate E, pivoted at *e*, and provided with socket E^1 and flanges E^2, in combination with the eccentric or cam headed bolt F, substantially as and for the purposes described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN SIMPSON.

Witnesses:
JNO. CROWELL, Jr.,
W. E. DONNELLY.