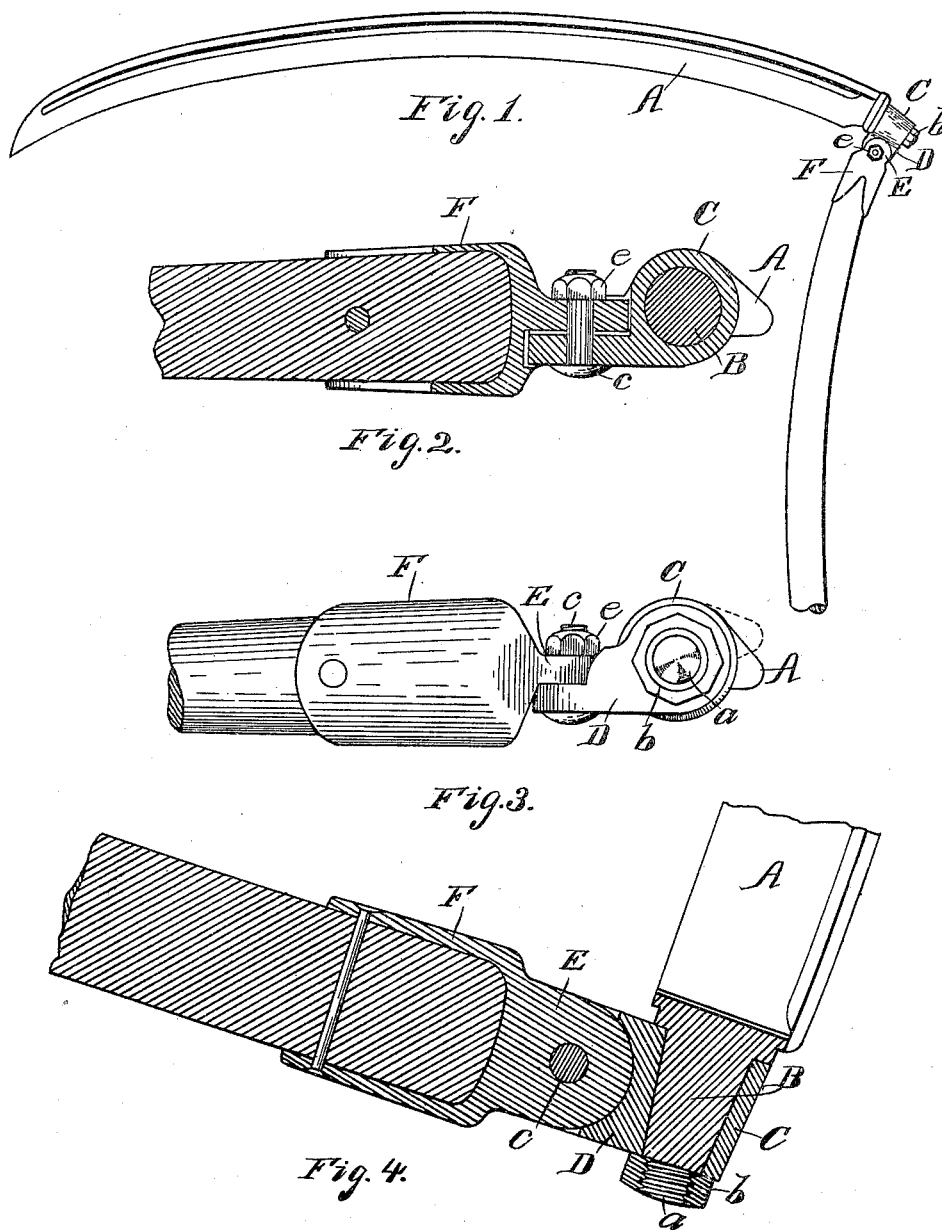


M. GILLER.
SCYTHE BLADE HANGER.

(Application filed Dec. 31, 1897.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

MOSES GILLER, OF NORTH DETROIT, MICHIGAN.

SCYTHE-BLADE HANGER.

SPECIFICATION forming part of Letters Patent No. 676,946, dated June 25, 1901.

Application filed December 31, 1897. Serial No. 664,951. (No model.)

To all whom it may concern:

Be it known that I, MOSES GILLER, a citizen of the United States, residing at North Detroit, in the county of Wayne, State of Michigan, have invented certain new and useful Improvements in Scythe-Blade Hangers; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in scythe fastenings or hangers; and it consists of the construction and arrangement of parts, as hereinafter fully set forth and claimed.

The object of the invention is to produce a scythe-fastening in which the construction and arrangement are such as to enable the blade of the scythe to be adjusted for the purpose of raising or lowering the cutting edge thereof, and a further arrangement by means of which the blade may be swung to regulate the angle at which it shall stand with respect to the snathe or handle, to increase or decrease the width of the swath cut by a sweep of the scythe-blade, and to regulate the drawing action of the scythe-blade in accordance with the quality and condition of the grain or grass to be cut, which object is attained by the construction illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of a scythe provided with my improved features, a portion of the snathe being broken away. Fig. 2 is an enlarged vertical section through the fastening or hanger. Fig. 3 is an enlarged rear elevation thereof, and Fig. 4 is an enlarged horizontal section through said parts.

Referring to the letters of reference, A designates the blade of the scythe, which is provided with a tapering tang or tenon B, which is adapted to enter a sleeve or socket C, having a conical or tapering aperture adapted to receive said tang, the outer end of which passes through said sleeve and is provided with a threaded end portion *a*, adapted to receive a nut *b*, by means of which the tang is

caused to wedge in said sleeve and securely lock the blade when set to the desired angle.

Should it be desired to raise or lower the cutting edge of the blade, according to the condition of the grass or grain being cut, the nut *b* may be loosened to permit the blade to be tipped so as to raise or lower the cutting edge, as desired, when it may be firmly secured by tightening said nut. When cutting short tender grass, it is desired that the cutting edge of the blade shall stand down or nearly on a horizontal plane, so as to prevent the blade from rising over the grass as the scythe is swung, and when cutting heavy grain or hay it is desirable that the edge of the blade shall stand upon an upward angle to prevent it from running downward and to relieve the strain upon the arms of the mower.

Extending from the sleeve C is a bracket D, to which is pivoted an ear E, extending from the ferrule-iron F on the end of the snathe, said parts being pivotally united by means of a bolt *c*, which passes therethrough and receives a nut *e*. The meeting faces of said ear and bracket are serrated, whereby by tightening said nut *e* the parts may be securely clamped together. By means of this pivotal joint the outer end of the scythe-blade may be swung in the arc of a circle to regulate the angle at which said blade shall stand from the snathe, whereby a drawing cut may be given to said blade in accordance with the nature of the work to be performed, which arrangement, in connection with the means for tilting the blade, enables the instrument to be adjusted to accommodate any height of operator in any condition of work required thereof.

Having thus fully set forth my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a scythe, the combination of the blade having an integral conical tenon extending in line therewith and having a straight threaded portion projecting from its outer end, a sleeve having an aperture tapered to coincide with and engage the entire length of said tenon which projects through said sleeve and is adapted to rotate therein, a nut on the projecting end of said tenon bearing

against the end of said sleeve, a bracket
formed integral with said sleeve and project-
ing at right angles therefrom, the handle, the
ferrule-iron rigid on the handle and having
5 an extending integral ear which lies upon the
bracket of the sleeve, said sleeve and bracket
being pivotally united by a bolt *c*, which
passes therethrough and receives a nut on its
threaded end whereby by tightening said nut

said parts may be locked against relative **ro**
movement.

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

MOSES GILLER.

Witnesses:

E. S. WHEELER,
HORACE R. WHEELER.