

No. 676,717.

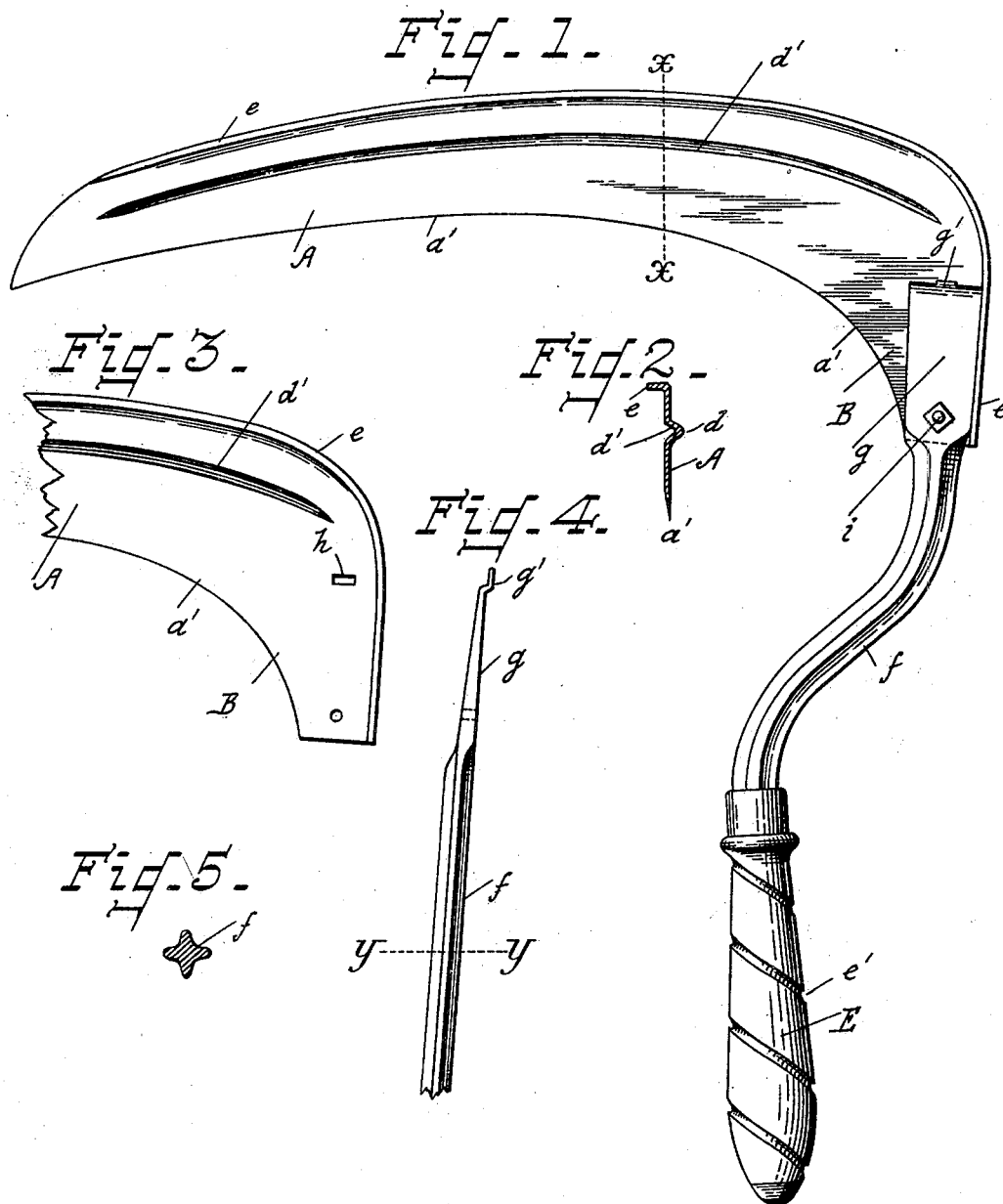
Patented June 18, 1901.

W. J. HENRY.

GRASS HOOK.

(Application filed Aug. 31, 1900.)

(No Model.)



Witnesses:

John W. Anderson
John L. Rumpf

Inventor:

William J. Henry
by *Herbert W. Jenner*
Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM J. HENRY, OF AUBURN, NEW YORK.

GRASS-HOOK.

SPECIFICATION forming part of Letters Patent No. 676,717, dated June 18, 1901.

Application filed August 31, 1900. Serial No. 28,692. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. HENRY, a citizen of the United States, residing at Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Grass-Hooks; 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 appertains to make and use the same.

This invention relates to grass-hooks; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a plan view of the grass-hook. Fig. 2 is a cross-section taken on line *x x* in Fig. 1. Fig. 3 is a detail plan view of the shank and a portion of the blade. Fig. 4 is a side view of a portion of the handle-bar. Fig. 5 is a cross-section taken on the line *y y* in Fig. 4.

A is the blade, and B is its shank. The blade and its shank are arranged in the same plane and are formed of a flat sheet or plate of metal stamped or cut to the required form. The cutting edge *a* is curved, and it extends for the full length of the blade and its shank. The blade is of any approved form, and it is provided with a downwardly-projecting stiffening-rib *d*. This rib *d* extends longitudinally of the blade, at its middle part, from near its point to near its shank, and it is not continued into the shank. The rib *d* is struck up from the blade, so that a groove *d'* is formed in its upper side; and the rib may be either V-shaped or concavo-convex in cross-section. An upwardly-projecting flange *e* extends along the back of the blade from near its point to the end of the shank.

E is the handle, and *f* is the handle-bar which is secured into the handle. The handle is preferably provided with a spiral groove *e'* to prevent it from slipping when grasped. The angle of the groove *e'* prevents the weight of the overhanging point and middle part of the blade from revolving the handle in the

hand which grasps it and enables a firm grip to be maintained with less pressure than is requisite when the handle-bar has no spiral groove. The handle-bar *f* has a flat portion *g*, and *g'* is a cranked lip at the end of the portion *g*. The lip *g'* is slipped into engagement with a hole *h* in the shank, and one side of the portion *g* bears against the flange *e*. A single bolt *i* is passed through holes in the portion *g* and shank B and secures the handle-bar to the blade. The handle-bar is cross-shaped in section and is formed upon any convenient curves.

What I claim is—

1. In a grass-hook, the combination, with a flat blade and a flat shank formed of a single piece of sheet-steel, said shank projecting at an angle from the blade and having a hole *h*, a cutting edge extending along one side of the blade and shank and an upwardly-projecting flange extending along the other side of the blade and shank; of a handle-bar arranged to bear laterally against the said flange and provided with a cranked lip which engages with the said hole in the shank, and a fastening device securing the shank to the said handle-bar, substantially as set forth.

2. A blade for a grass-hook formed of a flat plate of sheet-steel having a flat shank formed integral with it and projecting from it at an angle and in the same plane, said plate having an upwardly-projecting flange at the back of the blade which is curved around and extends along one side of the shank, a cutting edge extending along the blade and the other side of the shank, and a downwardly-projecting hollow rib which extends along the middle part of the blade, substantially as set forth.

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

WILLIAM J. HENRY.

Witnesses:

JNO. UNDERWOOD,
JOHN G. HENRY.