H. B. HEWITT.

SCYTHE SNATHE.

APPLICATION FILED MAY 4, 1912.

1,133,376. Patented Mar. 30, 1915.

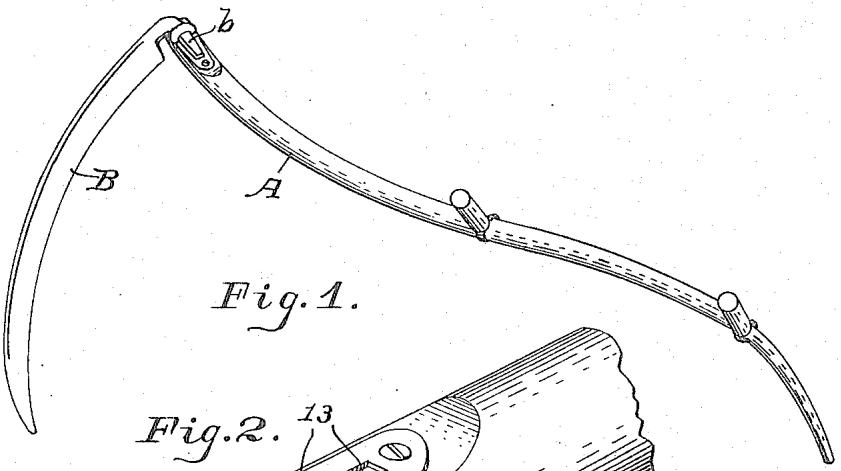

Fig. 1.

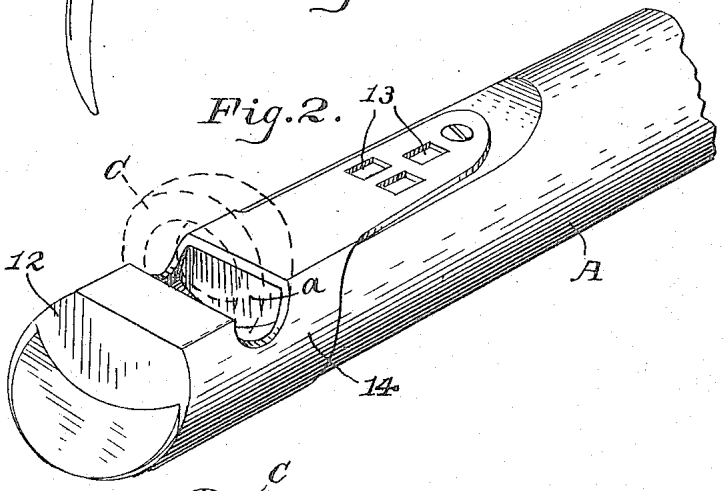

Fig. 2.

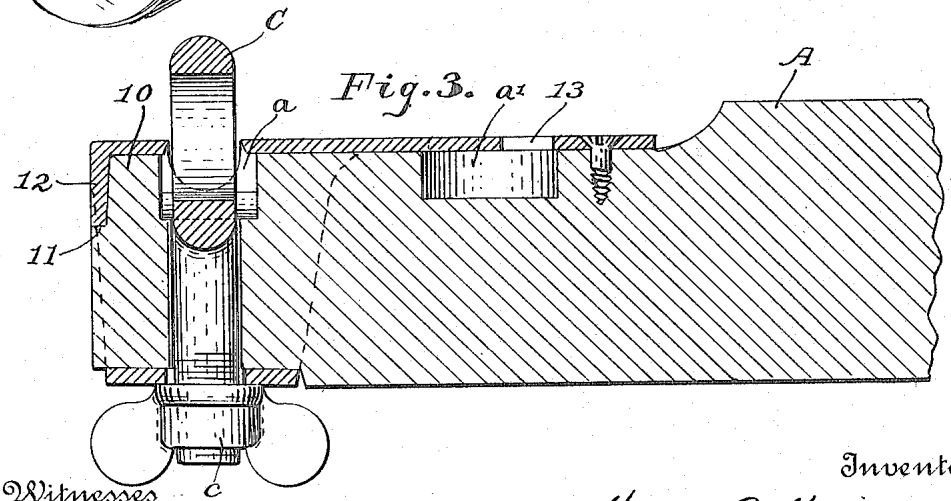

Fig. 3.

Witnesses

Chas. N. Leonard.

G. S. Price

Inventor

Horace B. Hewitt,

By Bradford & Doolittle,

Attorneys

UNITED STATES PATENT OFFICE.

HORACE B. HEWITT, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF ONE-HALF TO NORTH INDIANAPOLIS CRADLE WORKS, OF NORTH INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

SCYTHE-SNATHE.

1,133,376. Specification of Letters Patent. Patented Mar. 30, 1915.

Application filed May 4, 1912. Serial No. 695,275.

To all whom it may concern:

Be it known that I, HORACE B. HEWITT, a citizen of the United States, residing at Indianapolis, Marion county, and State of Indiana, have invented and discovered certain new and useful Improvements in Scythe-Snathes, of which the following is a specification.

In the construction of scythe snathes of the type which employs a clamping eye-bolt for securing the scythe, the short section at the end of the wooden snathe beyond the transverse notch or socket, cut to receive the eye of said bolt, frequently splits off, or cracks under the clamping strain and falls out, leaving an open space removing the support for the outer end of the plate upon which the shank of the scythe rests, thereby rendering the clamping means of little efficiency and practically destroying the utility of the snathe.

The object of my said invention is to provide a construction wherein said scythe supporting plate will be formed to protect the end of the snathes against such breakage, and also one wherein the clamping means will be given a firm and rigid support at all times, thereby prolonging the life and increasing the utility and efficiency of the implement, all as will be hereinafter more fully described and claimed.

Referring to the accompanying drawings which are made a part hereof and on which similar reference characters indicate similar parts, Figure 1 is a perspective view of a scythe and snathe assembled, as when ready for use, of the type to which my said invention relates, Fig. 2 a perspective view of the lower end of the snathe on a larger scale, the clamping bolt being indicated by dotted lines, and, Fig. 3 a central longitudinal section through the same.

In said drawings the portion marked A represents the snathe, B the scythe and C the clamping bolt, which several parts are or may be in general of any common or approved form or construction.

The scythe snathe A is formed with a transverse notch or recess *a* adapted to receive the lower side of the eye or loop of the clamp-bolt C. A perforation extends through the snathe centrally from the bottom of said recess, through which the shank of said bolt extends. A nut *c* is mounted on the lower end of said bolt for operating the same in the well known manner. The nut shown is of the "winged" form, but any common or appropriate form may be employed.

Between the recess *a* and the end of the snathe is the short section 10 which in snathes of common construction frequently becomes cracked or split from the body of the snathe under the strain of the clamping devices and falls out, leaving the end of the supporting plate, or top part of ferrule 14, unsupported. In the construction shown I have formed a recess in the end of the snathe with a shoulder 11 extending transversely across the end of said snathe, which shoulder may extend either in a curved line as indicated in Fig. 2, or straight, as may be preferred. On the end of said snathe I mount a ferrule 14 which is adapted to surround the lower end of said snathe and has a depending flange or web 12 which fits in the recess in the end of the snathe with its lower edge resting upon the shoulder 11. The upper side of said ferrule is formed flat to correspond with the flattened side of the snathe A and extends back upon said snathe to cover the aperture a^1 therein, being formed with a series of sockets 13 to receive the tang of the scythe snathe, as is usual.

In operation the shank *b* of the scythe is inserted through the eye of the bolt C and the tang of said shank in one of the sockets 13. The nut *c* is then turned to clamp the scythe tightly upon the flattened side of the combined ferrule and plate 14. The strain of the clamping bolt draws the scythe shank upon the ferrule with the lower edge of web 12 bearing upon the shoulder 11 in the recess of the snathe structure. Said web being of sufficient width and supported by said shoulder lends a firm and rigid support to the ferrule and prevents the section 10 of the snathe from being crushed and broken, thereby prolonging the life and increasing the utility and efficiency of the snathe.

Having thus fully described by said invention what I claim as new and desire to secure by Letters Patent, is:

1. A scythe snathe formed near its lower end with a transverse recess for the eye of the clamping bolt with a perforation ex-

tending from the bottom of said recess through the snathe for the shank of the bolt, and with a recess in the face of the lower end of said snathe extending from side to side to form a shoulder substantially in line with the bottom of the recess for the eye of the clamping bolt, a ferrule formed with appropriate openings mounted on the lower end of said snathe and formed with a transverse web of a width and form adapted to fit in said recess in the face of the lower end of the snathe and rest at its lower edge upon said shoulder, and a clamping bolt mounted in the perforation in said snathe, substantially as set forth.

2. A scythe snathe formed with a transverse recess adjacent to its lower end for the eye of the clamping bolt and a perforation from the bottom of said recess leading through said snathe for the shank of the clamping bolt and with a recess in the face of the outer end of said snathe extending from side to side thereof and terminating in a curved shoulder at its lower edge, the bottom of the curve of said shoulder being substantially central of said snathe, a ferrule formed with appropriate apertures and sockets mounted on the end of said snathe and formed with a transverse web at its outer end of a width and curvature to fit in the recess and resting upon the curved shoulder in the outer end of said snathe, substantially as set forth.

In witness whereof, I have hereunto set my hand and seal at Indianapolis, Indiana, this thirteenth day of April, A. D. nineteen hundred and twelve.

HORACE B. HEWITT.

Witnesses:
E. W. BRADFORD,
T. A. BRADDOCK.