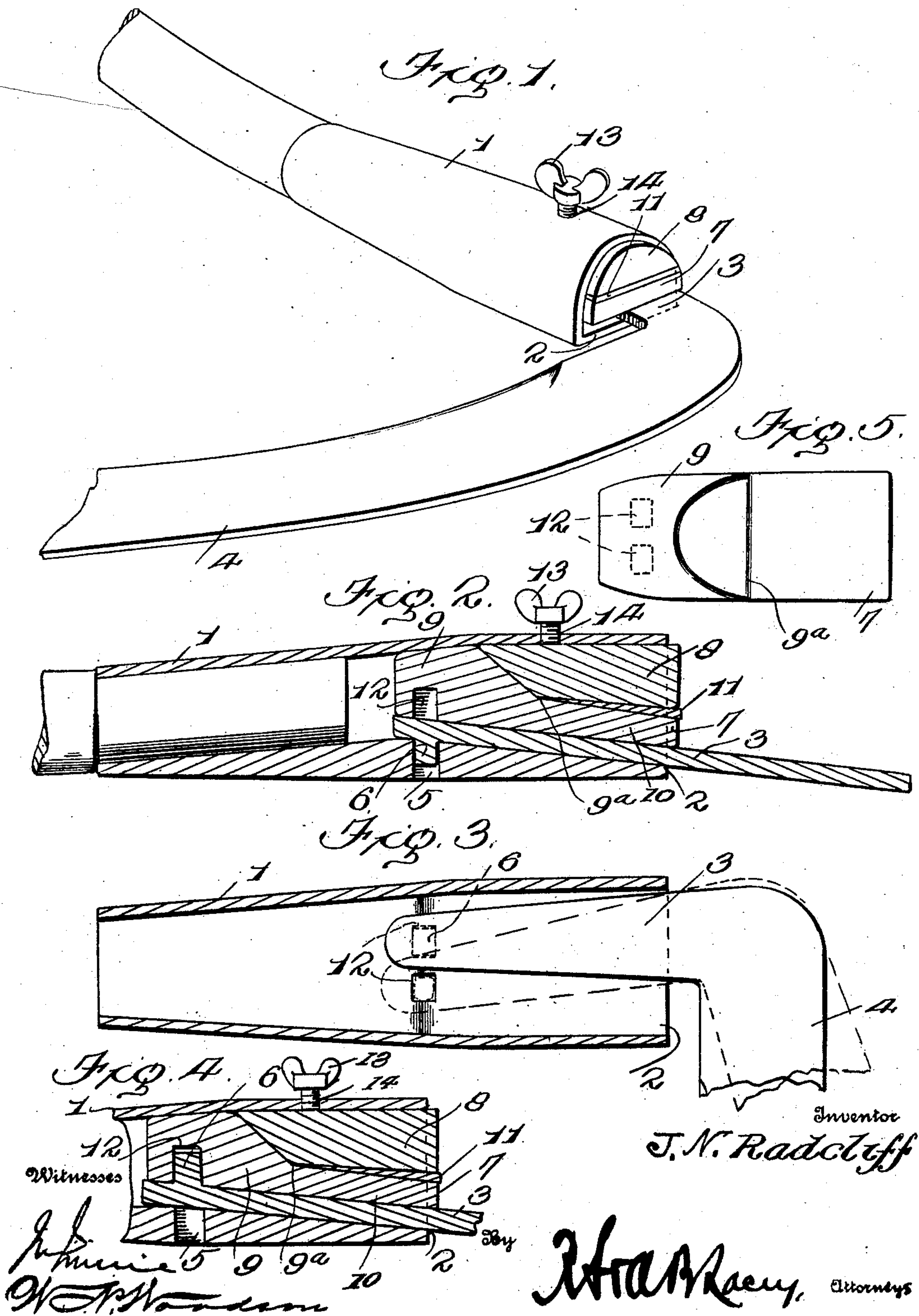


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SCYTHE SNATHE.
APPLICATION FILED AUG. 17, 1908.

928,883.

Patented July 20, 1909.



UNITED STATES PATENT OFFICE.

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SCYTHE-SNATHE.

No. 928,883.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed August 17, 1908. Serial No. 448,986.

To all whom it may concern:

Be it known that I, JACOB N. RADCLIFF, a citizen of the United States, residing near Cale, in the county of Martin and State of Indiana, have invented certain new and useful Improvements in Scythe - Snathes, of which the following is a specification.

The object of my invention is to provide a simple, cheap and durable device whereby a scythe blade may be adjustably retained at the end of a scythe snathe and at the same time permit of its ready manipulation in operation.

A further object of the invention is to provide means whereby the angle or position of the scythe blade relative to the snathe may be adjustably altered and the blade completely reversed from one side of the snathe to a corresponding position on the opposite side. This I accomplish with the least possible effort on the part of the operator by a novel construction and arrangement of the several parts designed to coöperate, and wherein by the use of my improved device the operator may sweep the growth in either direction and regulate the area to be severed.

For a full understanding of the invention, and the merits thereof, and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a perspective view of my improved snathe; Fig. 2 is a longitudinal sectional view thereof; Fig. 3 is a horizontal sectional view with the plug removed; Fig. 4 is a longitudinal sectional view corresponding to Fig. 2 with the scythe blade occupying a reverse position; and, Fig. 5 a detail view of the plug section.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings, the numeral 1 designates the body portion of a hollow metal cap adapted to be secured to a scythe snathe and composed of any suitable material, and formed with a flat side 2 emanating from the center and extending toward the end. The said flat side within the cap is designed to form a seat for the head projection 3 of a scythe blade 4 and the angle or sweep of said blade is regulated by means of openings 5 (preferably rectangular, as shown) adapted

to receive and retain a similarly formed lug 6 located upon one side of the blade head 3. In this manner the angle of the blade may be changed by shifting the lug from one opening to another, as will be understood.

A sectional plug designed to fit the outer open end of the cap 1 is composed of two parts, a flat base section 7 and a semi-cylindrical section 8. The said base section 7 is adapted to rest upon and retain the scythe head within the cap and is provided at one end with a semi-cylindrical head 9 corresponding to the cap opening, the said section tapering on one side from the head 9 toward the opposite end, as indicated at 9^a, to a rectangular end portion 10.

The semi-cylindrical plug section 8 is provided with a corresponding receding flat surface adapted to fit upon the upper side of the section 7 and form a wedge or plug by means of which the scythe blade is adjustably secured within the cap attached to the scythe snathe. A wedge 11 may be also introduced between the plug sections to secure the blade head 3 more rigidly in position within the cap 1.

The numeral 12 designates recesses in the face of the lower plug section 7 corresponding to the openings 5 in the hollow cap, and by means of which the head 3 is retained in a reverse position from that occupied when the lug 6 is introduced into the openings 5. By the complete reversal of the blade 4 from one to the other side of the snathe, the implement may be used in either a right or left handed direction at the will of the operator.

To further safeguard the device against the accidental detachment of the blade from the snathe, a set screw 13 is introduced through the threaded opening 14 in the cap 1, and bears upon the plug section 8 forcing same firmly into the seat formed in the base section 7 and preventing the withdrawal of the plug.

Having thus described the invention, what is claimed as new is:—

1. The combination with a scythe snathe and a blade having a head provided with a lug upon one side, of a hollow cap secured to the end of the snathe, and having one of its side walls thickened at the middle to form an inwardly converging opening, said wall having openings formed therein and arranged to receive the lug upon the blade head, and a sectional plug designed to fit within the con-

verging opening of the cap and to retain the blade head therein.

2. The combination with a scythe snathe and a blade having a head provided with a
5 lug upon one side, of a hollow cap secured to the end of the snathe, and having one of its side walls thickened at the middle to form an inwardly converging opening, said wall having openings formed therein and arranged
10 to receive the lug upon the blade head, a sectional plug designed to fit within the converging opening of the cap and comprising a base section adapted to rest upon the blade

head and having openings registering with the openings in the side wall of the cap, said 15 openings being arranged to receive the lug upon the blade head in the reversed angular positions of the blade to the snathe, a plug section adapted to rest upon the base section, and a wedge interposed between said sections. 20

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

JACOB N. RADCLIFF.

Witnesses:

SAM. BROCK,

WILLIAM PIPHER.