

G. M. HUBBARD.

SNAP HOOK.

APPLICATION FILED JAN. 11, 1909.

959,744.

Patented May 31, 1910.

Fig. 1

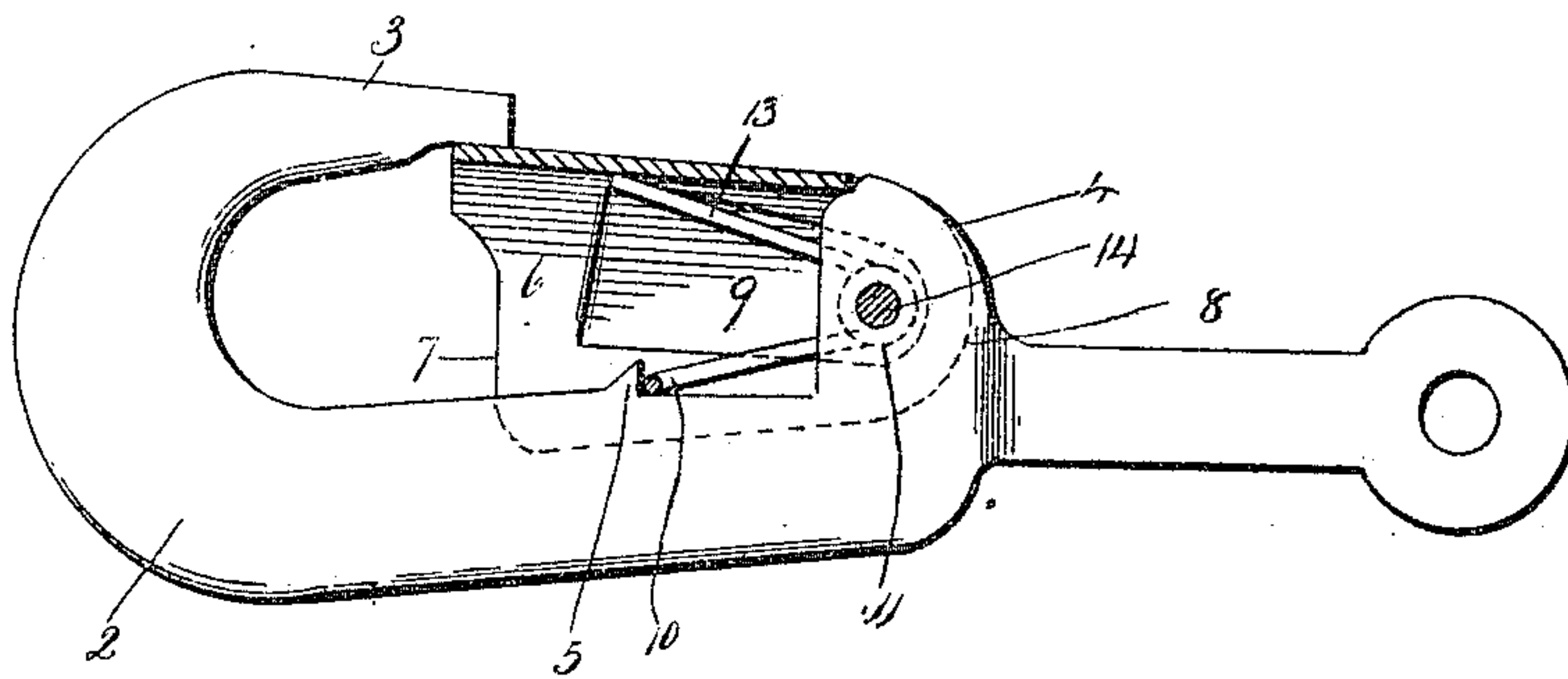


Fig. 2

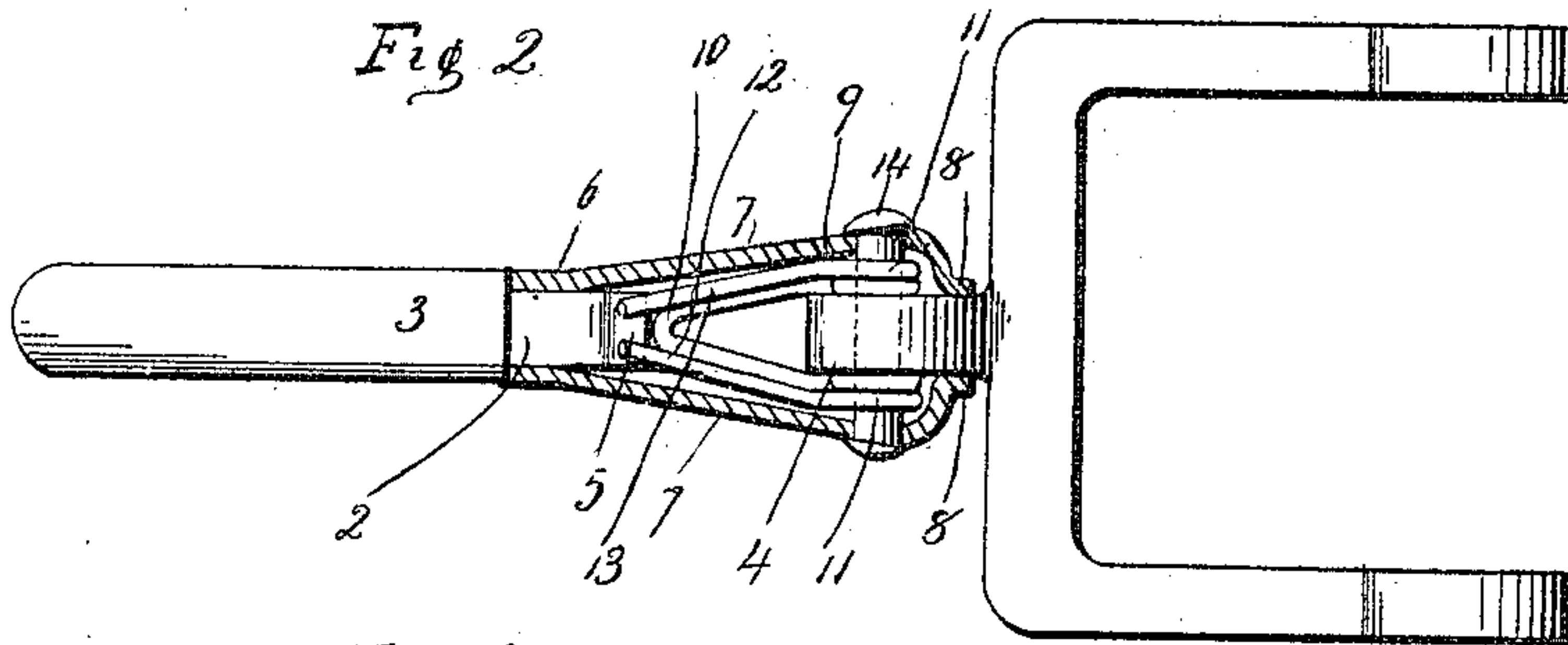


Fig. 3

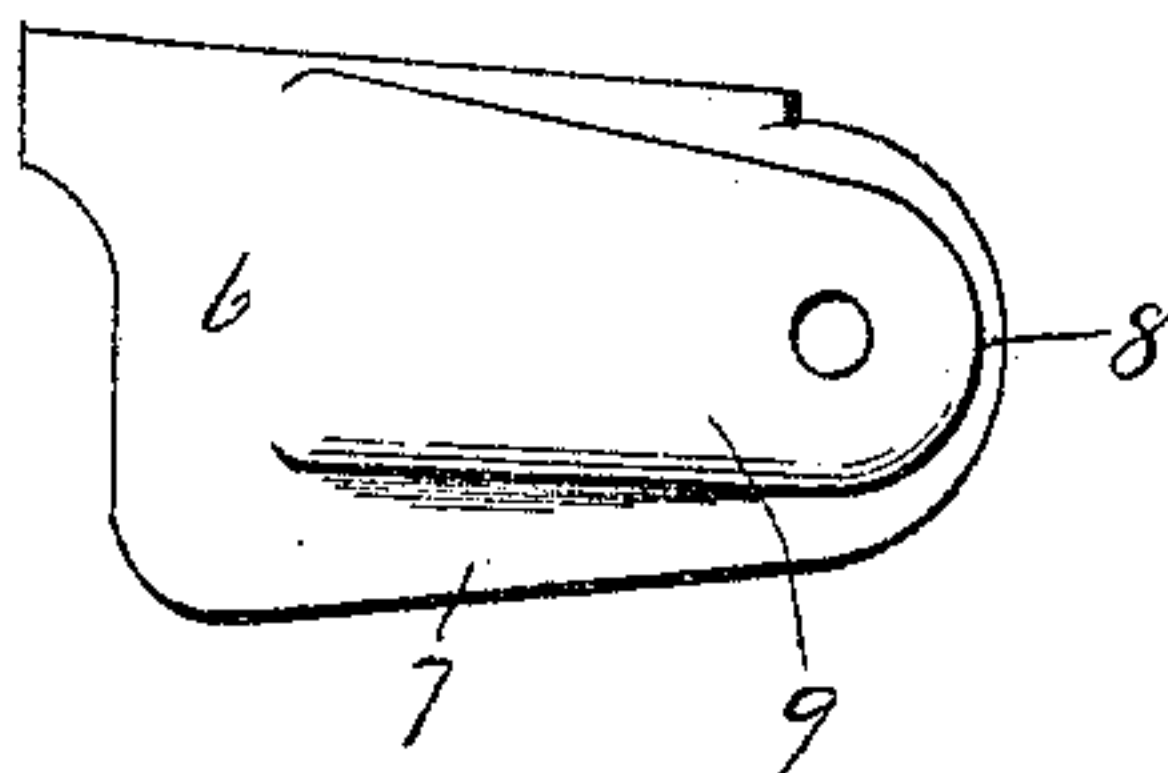
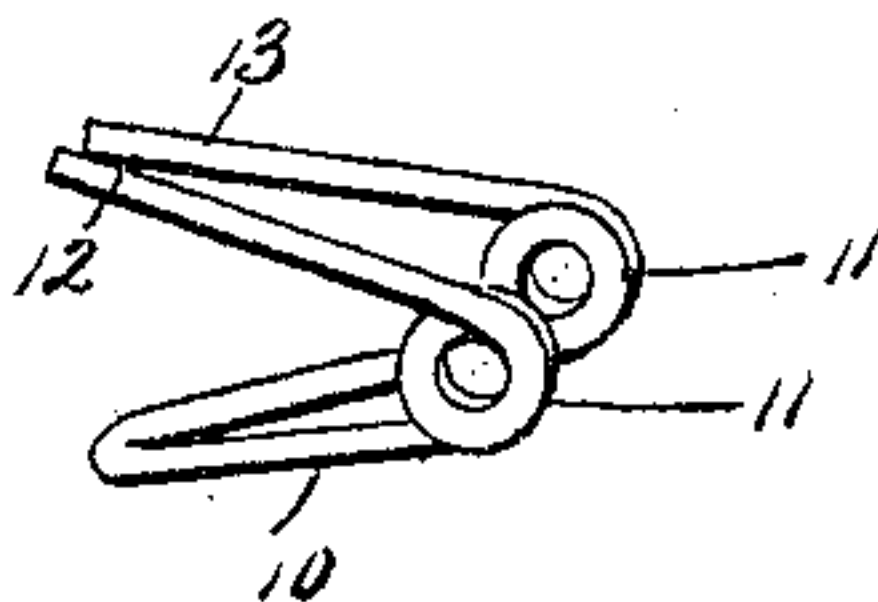


Fig. 4



Witnesses
C. J. Reed.
C. L. Reed

George M. Hubbard
Inventor
by Seymour Pearce
att'y

UNITED STATES PATENT OFFICE.

GEORGE M. HUBBARD, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE W. & E. T. FITCH CO., OF NEW HAVEN, CONNECTICUT, A CORPORATION.

SNAP-HOOK.

959,744.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed January 11, 1909. Serial No. 471,734.

To all whom it may concern:

Be it known that I, GEORGE M. HUBBARD, a citizen of the United States; residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Snap-Hooks; and I do hereby declare the following, when taken in connection with the accompanying drawings and the numerals of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view partially in section of a snap hook constructed in accordance with my invention. Fig. 2 a top or plan view showing the tongue in section. Fig. 3 a side view of the tongue, detached. Fig. 4 a perspective view of the spring detached.

This invention relates to an improvement in snap hooks and particularly to that class in which the tongue is in the form of a housing adapted to set over the sides of the body and inclose a coil spring by which the tongue is held in contact with the nose of the hook.

The object of this invention is to provide a strong coiled wire spring to firmly close the hook; and the invention consists in the construction hereinafter described and particularly recited in the claim.

In carrying out my invention the body 2 of the hook is formed with the usual nose 3 and at its rear end has flat sides and an upwardly projecting arm 4, and on the upper edge with a lug 5 the purpose of which will hereinafter appear. The tongue 6 may be formed from sheet metal and has sides 7 which extend down over the sides of the body and notched at its rear end to clear the arm 4. The notching of the rear end forms rearwardly extending ears 8 which extend over opposite sides of the arm 4, and preferably these ears will be struck out to

form spring chambers 9. The spring is formed from wire doubled at the center to form a base 10, each leg of the spring formed with a coil 11 and the ends 12 and 13 of the spring projecting forward. The coils 11 rest in the chambers 9, and a rivet 14 passing through the ears, through the coils and through the arm 4 hold the several parts in position, the base 10 of the spring bearing upon the upper edge of the body, and the ends 12 and 13 against the inner face of the housing and tending to lift the housing and hold it against the nose of the hook. The lug 5 before referred to is provided as a convenient means for assembling the parts. The spring is first placed in the housing and so that the coils stand in the chambers at opposite sides. The end of the base 10 is then placed against the lug 5 and the housing passed over the arm 4, the coils of the spring passing on opposite sides thereof, and the parts held in position until the rivet is secured. Without the lug 5 difficulty might be had in assembling the parts.

I claim:—

A snap hook comprising a body formed with a nose at one end, flat sides, and an upwardly projecting arm at the opposite end, a tongue adapted at its forward end to engage with said nose, and formed at its rear end with chambered ears on opposite sides of said arm, a single spring bearing on the body and against the tongue, and formed with a coil arranged on each side of said arm and within said chambers, substantially as described.

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

GEORGE M. HUBBARD.

Witnesses:

FREDERIC C. EARLE,
CLARA L. WEED.