J. N. CUTLER.

SAFETY SNAP.

APPLICATION FILED MAR. 4, 1911.

**1,025,787.** **Patented May 7, 1912.**

*Fig. 1*

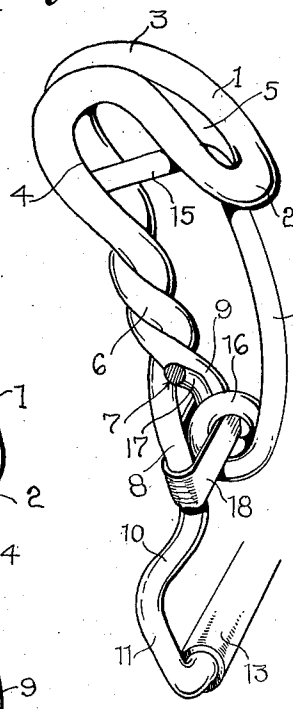



*Fig. 2*

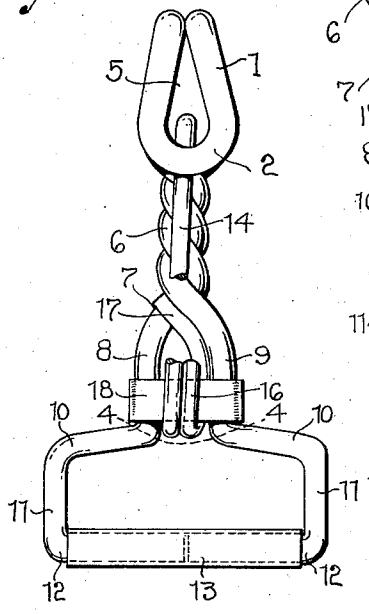



*Fig. 3*

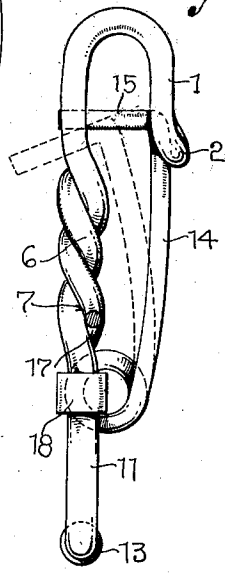
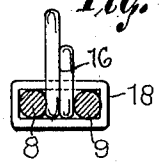



*Fig. 4.*

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# UNITED STATES PATENT OFFICE.

JUDSON N. CUTLER, OF MYRTLE CREEK, OREGON.

## SAFETY-SNAP.

1,025,787. Specification of Letters Patent. Patented May 7, 1912.

Application filed March 4, 1911. Serial No. 612,286.

*To all whom it may concern:*

Be it known that I, JUDSON NETLETON CUTLER, a citizen of the United States, residing at Myrtle Creek, in the county of Douglas and State of Oregon, have invented certain new and useful Improvements in Safety-Snaps, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to snap hooks of the twisted wire type in which the portions of the wire forming the shank are separated to form a space to receive the tongue and to form a seat upon which the shorter end of the tongue rests, so that the tongue is given the required tension and is braced against lateral movement. The bill portion of this hook is so constructed that the free end of the tongue will be guarded to a seat formed at the end of the bill.

This invention is illustrated in the accompanying drawings, wherein:—

Figure 1 is a perspective view of the improved hook. Fig. 2 is a view in front elevation of the hook. Fig. 3 is a view in side elevation of the hook. Fig. 4 is a sectional view along the line 4—4 of Fig. 2.

This hook is formed from two pieces of wire one of which is bent intermediate its length to form the bill 1, the end portion of which is bent at a slight angle to the main portion of the bill to form a seat 2. The two arms of the piece of wire are brought together and bent to form the bight 3 and are then separated and brought back parallel to the bill to form an opening 4 positioned beneath the opening 5 in the bill. At a point which is approximately in alinement with the bent portion 2 of the bill the arms are brought together and twisted to form the shank 6. At the end of the shank the arms are bent apart to form a pocket 7 and are then bent parallel as indicated by the numerals 8 and 9. Each of the arms is bent outwardly as indicated by the numeral 10, and then parallel, as indicated by the numeral 11. The end portions 12 are bent toward each other and are covered by a ferrule 13.

The tongue 14 is formed from a piece of spring metal and has its free end portion 15 bent at approximately right angles to the main portion, and positioned beneath the portion 2 with its end in the opening 4. A coil 16 is formed near the other end of the tongue and is positioned between the parallel portions 8 of the shank and fits the space between them so that it cannot move transversely. The end portion 17 lies close to the arm 9 and follows the same until it rests upon the arm 8 in the pocket 7. A binding band 18 passes through the coil and around the arms 8 and 9 so that the spring is held in place and the arms braced. The end portion 17 not only gives the tongue the required tension but also helps to brace the tongue against any transverse movement. It should also be noted that the free end portion 15 normally extends through the opening 4 and guides the free end of the tongue not engaging the seat 2 of the bill.

What I claim is:—

As a new article of manufacture, a snap hook formed of two pieces of wire, the hook portion being formed of one piece of wire bolted together to form a bill and then twisted together to form a shank, said wire being spaced adjacent to the base of the shank to form a pair of arms and then terminating in a loop, a strap member engaging said arms and straddling the space between them, and a tongue formed of a piece of wire to engage said bill, and the other end of the tongue being twisted about the transverse band at the base of the shank and having a projecting end bearing against one of the arms engaged by said band and serving to form a spring for the tongue, the projecting end being seated in the groove of the adjacent convolution of the twisted shank portion of the first wire whereby said end is retained in position.

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

JERRY N. CUTLER.

Witnesses:
H. DYER,
W. N. MOORE.