F. A. NEIDER.

WROUGHT METAL NUT.

APPLICATION FILED OCT. 30, 1907.

904,555. Patented Nov. 24, 1908.

Fig. 1.

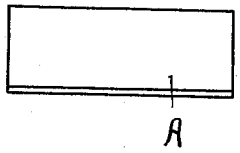


Fig. 2.

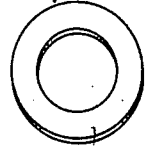
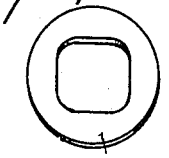


Fig. 3.



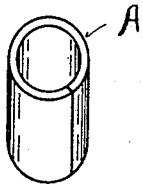


Fig. 4.

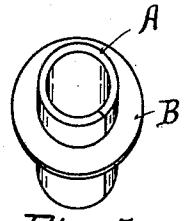


Fig. 5.

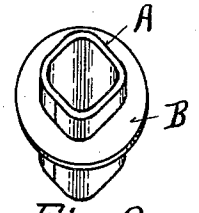


Fig. 8.

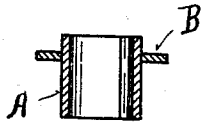


Fig. 6.

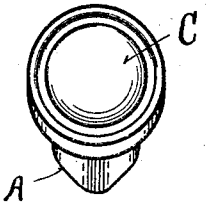


Fig. 9.

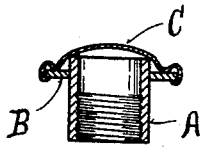


Fig. 7.

Witnesses
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UNITED STATES PATENT OFFICE.

FRED A. NEIDER, OF AUGUSTA, KENTUCKY.

WROUGHT-METAL NUT.

No. 904,555. Specification of Letters Patent. Patented Nov. 24, 1908.

Application filed October 30, 1907. Serial No. 399,886.

To all whom it may concern:

Be it known that I, FRED A. NEIDER, a citizen of the United States of America, and resident of Augusta, county of Bracken, State of Kentucky, have invented certain new and useful Improvements in Wrought-Metal Nuts, of which the following is a specification.

The object of my invention is a wrought metal nut which may be manufactured with a minimum amount of waste material.

Referring to the accompanying drawings, in which I have illustrated blanks and nuts embodying my invention, Figure 1 is a detail view of a strip of wrought metal from which the rolled tube is to be formed. Fig. 2 and Fig. 3 are detail views of different forms of rings to be used to surround the rolled tubes. Fig. 4 is a perspective view of one form of rolled tube. Fig. 5 is a perspective view of a blank formed from a rolled tube and a ring. Fig. 6 is a central sectional view of the blank shown in Fig. 5. Fig. 7 is a central sectional view of a cap nut. Fig. 8 is a perspective view of a modified form of blank formed from a tube and ring. Fig. 9 is a perspective view of a capped nut.

Referring to the parts: Tube, A, may be rolled either to a form circular in cross section or to one whose section form is four cornered or hexagonal. After the tube is rolled, a ring, B, whose aperture corresponds in shape to the section of the tube, is forced down over the tube, so as to stand a short distance from one end of the tube. This forms the blanks shown in Figs. 5 and 8, which are commercial articles. Screw threads are then cut upon the interior of tubes, A. A cap, C, may then be placed over the end of tube, A, and the edges of the cap may be curved under the periphery of the ring, B. A wrought metal nut is thus produced without the loss of material.

What I claim is:

1. A nut comprising a tube of sheet metal split from end to end, and having screw-threads upon its interior, and a ring fitting snugly around the tube.

2. A capped nut consisting of a split tube having screw-threads upon its interior, a ring fitting snugly around the tube and a cap fitting over the end of the tube and having its edges bent under the periphery of the ring.

3. A capped nut consisting of a tube formed from a sheet of metal, a ring surrounding the tube, and a cap formed from a disk which contacts the end of the tube and has its edges bent over the periphery of the ring.

FRED A. NEIDER.

Witnesses:

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W. C. SADLER.