(No Model.)

A. SEARLS.

CAPPED SCREW NUT.

No. 276,482. Patented Apr. 24, 1883.

fig. 1.

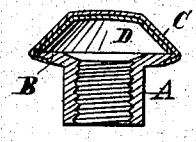


fig. 2

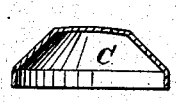


fig. 3.



fig. 4

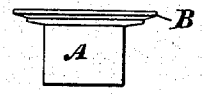
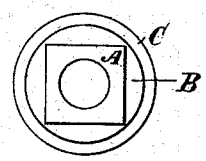


fig. 5.



Witnesses:
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UNITED STATES PATENT OFFICE.

ANSON SEARLS, OF NEWARK, NEW JERSEY.

CAPPED SCREW-NUT.

SPECIFICATION forming part of Letters Patent No. 276,482, dated April 24, 1883.

Application filed January 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, ANSON SEARLS, residing at the city of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Capped Screw-Nuts, of which the following is a specification, reference being had to the accompanying drawings, forming part of the same, in which—

Figure 1 is a central axial section of a capped nut containing my invention. Fig. 2 is a similar view of one part, and Fig. 3 of the other part, of the cap removed from the nut. Fig. 4 is a side view, of the nut with the cap removed, and Fig. 5 is a bottom face view of the same.

My invention relates to a screw-nut provided with a metal cap covering the one face of the same; and it consists in the following-described nut, and the cap composed of the described parts applied and secured on the nut, as specified.

A is the screw-nut, provided with the projecting rim or flange B. The cap consists of the two parts C and D. The part D, made of sheet metal of suitable thickness, is represented as having the form of a frustum of a hollow cone, and is placed on the upper face of the flange B, the diameter of its base coinciding with that of said flange, so that it rests upon and is supported by said flange at its perimeter, as shown plainly in Fig. 1. The part C, also made of sheet metal, corresponds in form to the part D, but is enough larger to fit down snugly upon it, as shown in Fig. 1. These parts are cut from sheet metal and struck up in suitable dies. The base of C extends over and beyond the outer edge of the flange B, and is crimped or gathered in under the edge of said flange, as shown, so as to secure both itself and the part D tightly onto the nut.

By this construction and arrangement of the parts, D, resting upon and supported by the flange B, affords a stiff and firm support to the part C, while both together form a cap of sufficient strength and stiffness to bear without denting or other injury outside pressure and blows about as well as would a cap made of sheet metal of a thickness equal to both C and D, which would be difficult or impracticable to make. The cap is also thereby secured more firmly on the nut and prevented from being forced down onto it, so as to be loosened, as it might be if made of a single piece of thick metal.

Instead of having the precise form represented in the drawings, the cap may be spherical, or of any other desired form that will leave a chamber into which the end of the screw-bolt on which the nut is to be placed may extend, and that will also permit the edge of the base of the part D to rest upon the face of the flange B. Nuts thus capped are specially adapted to be used on the exposed ends of bolts in carriages, that require to be protected from rusting by exposure to the elements and to have a handsome finish.

What I claim as my invention, and desire to secure by Letters Patent, is—

As a new article of manufacture, the described capped screw-nut, composed of the nut A, provided with a flange, B, and a cap consisting of the two cup-shaped parts C and D, the base of the part D resting upon the face of the said flange, and the part C placed over and upon the part D, with its base crimped or gathered in under the edge of the said flange, thus forming a closed chamber between the cap and the nut, into which the screw-bolt on which the nut may be screwed can enter, as and for the purpose described.

ANSON SEARLS.

Witnesses:
A. G. N. VERMILYA,
HENRY EICHLING.