

G. P. Darrow,
Screw Nut.

N^o 81,480.

Patented Aug. 25, 1868.

Fig. 1.

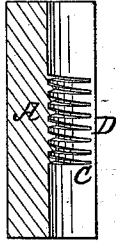


Fig. 2.

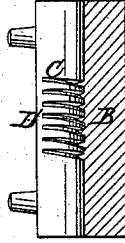


Fig. 3.

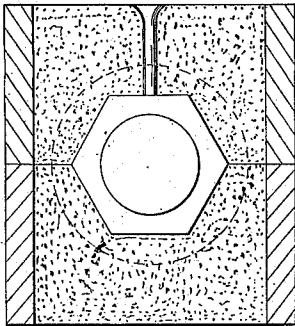


Fig. 4.

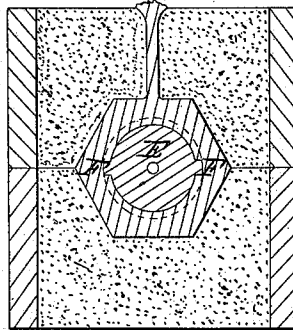


Fig. 5.

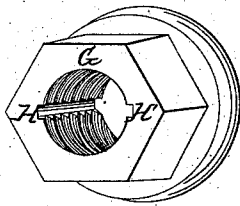
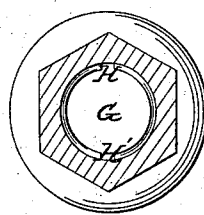


Fig. 6.



Witnesses.

Geo. H. Layman
Chas. H. Fisher

Inventor

Geo. P. Darrow
By H. H. H. H. H.

United States Patent Office.

GEORGE P. DARROW, OF CINCINNATI, OHIO, ASSIGNOR TO JAMES L. HAVEN AND COMPANY, OF SAME PLACE.

Letters Patent No. 81,480, dated August 25, 1868.

IMPROVEMENT IN CAST NUTS.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, GEORGE P. DARROW, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Manufacture of Cast Nuts; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

This invention relates to a mode of forming cast nuts, with channels at those opposite portions of their threaded surface, corresponding to the seam or parting of the core, whereby any fault, step, or want of continuity, incident to the use of a worn or otherwise imperfect core-box, is placed out of contact with the thread of the bolt or axle, the said channels also permitting the escape of dirt.

Figure 1 is an axial section of the core-box.

Figure 2 is a side elevation of the core.

Figure 3 is a vertical section of the flask with the nut-pattern in position.

Figure 4 is a similar section with the core in position and the nut cast.

Figure 5 is a perspective view of the finished nut.

Figure 6 is a transverse section of the same.

A and B are two parts of a metallic core-box, having an interior screw-thread, corresponding to that of the desired nut, and composed of projecting ridges C, interrupted in the plane of the parting at D and D', so as to form a core, E, with diametrical fillets or elevated portions F, whose effect in the cast nut is to form diametrical gutters H H', as deep as the bottoms of the screw-threads.

The office of the gutters H H' is to remove from contact with the screw-thread of the axle, with which the nut is to be used, whatever step or fault may have been imprinted by the parting-joint in the process of casting.

I claim herein as new, and of my invention—

A cast screw-nut, whose threads are interrupted at the parting-seam, as set forth.

In testimony of which invention, I have hereunto set my hand.

GEO. P. DARROW.

Witnesses:

OCTAVIUS KNIGHT,
JAMES H. LAYMAN.