

No. 106,668.

PATENTED AUG. 23, 1870.

D. CUMMING, JR.  
NUT LOCK.

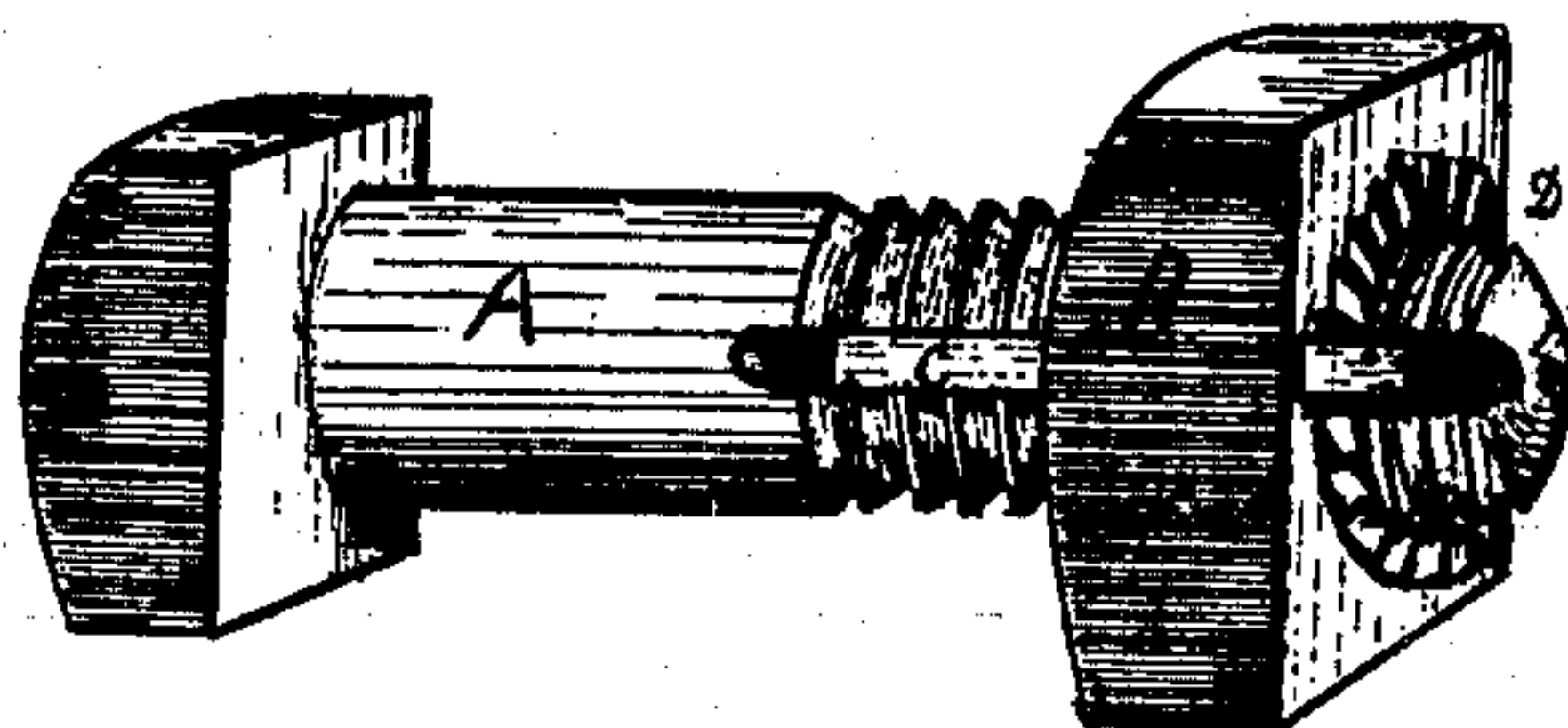


Figure 1

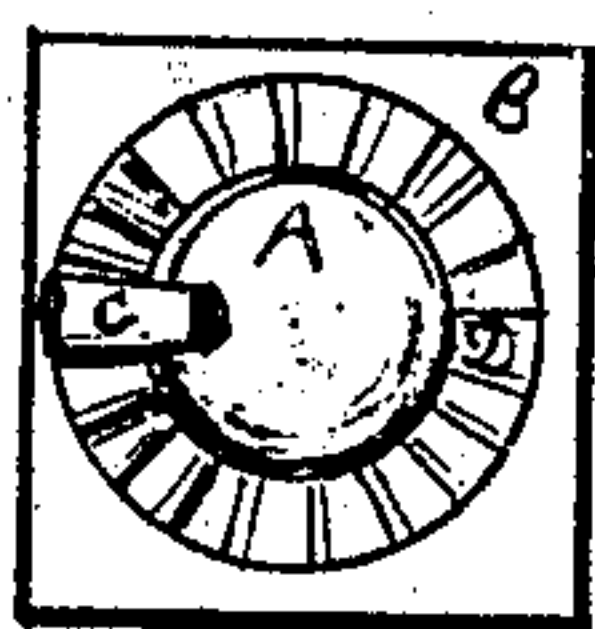


Figure 2

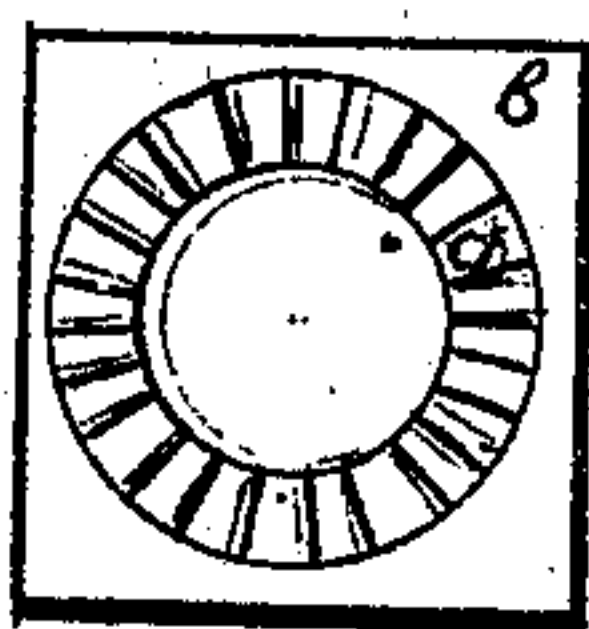


Figure 3

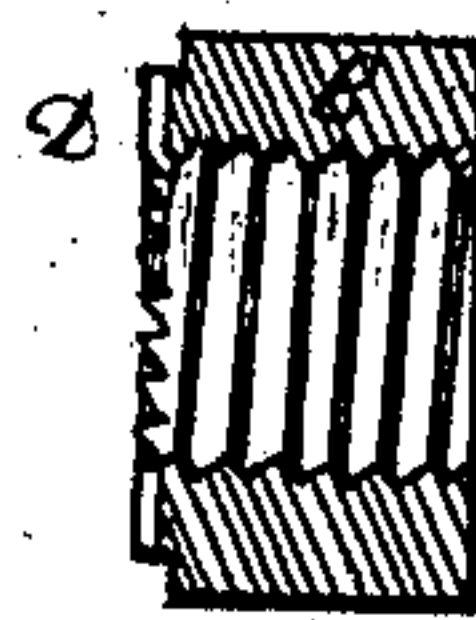


Figure 4

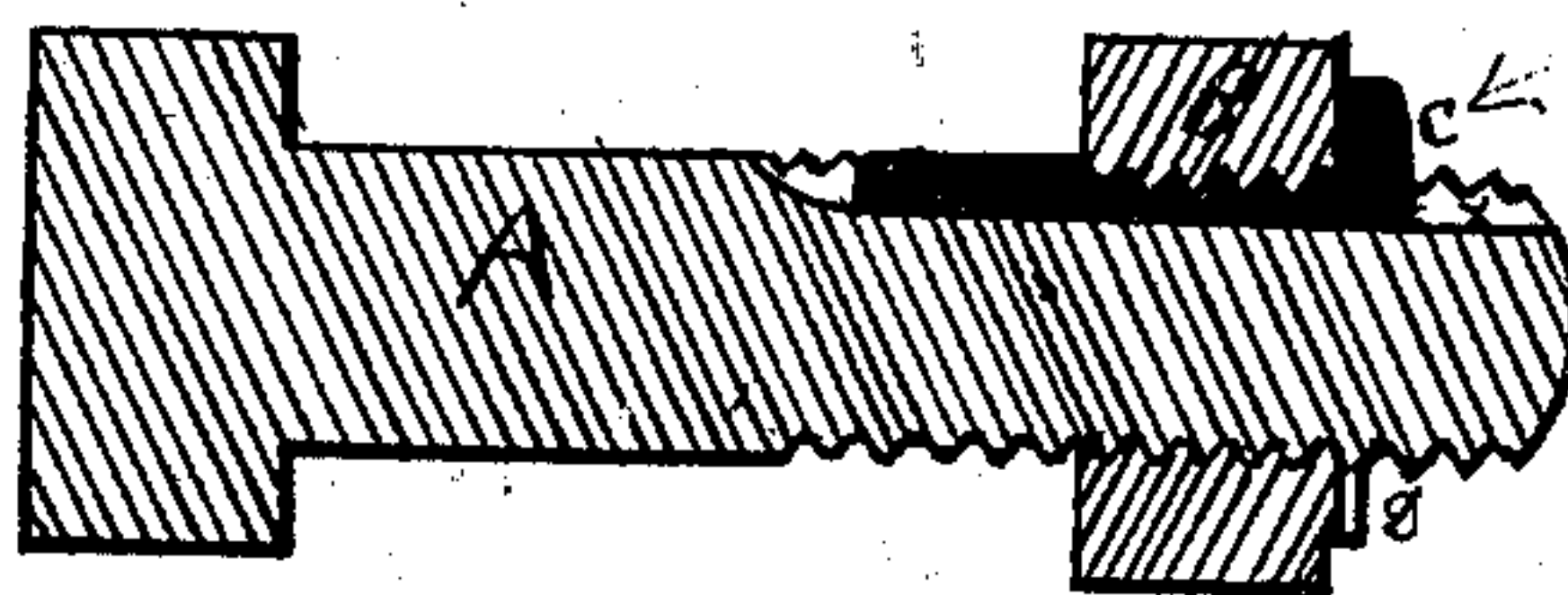


Figure 5

Witnesses

Alfred W. Capelle  
Geo E. Luthill

Inventor

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# UNITED STATES PATENT OFFICE.

DAVID CUMMING, JR., OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN NUT-LOCK.

Specification forming part of Letters Patent No. **106,668**, dated August 23, 1870; antedated August 11, 1870.

I, DAVID CUMMING, Jr., of Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Nut-Locks, of which the following is a specification:

The object of my invention is to prevent the nuts being shaken off of screw-bolts when used on railroads or other places subject to vibration, and is an improvement on an invention for which Letters Patent of the United States No. 78,864 were issued to me June 16, 1868.

### *Description of the Accompanying Drawing.*

Figure 1 is a perspective view of a screw-bolt embodying my invention. Fig. 2 is an end view of the same. Fig. 3 is a plan of the nut. Fig. 4 is a section of the nut parallel with its axis. Fig. 5 is a longitudinal section through the center of the bolt.

### *General Description.*

A is the bolt, in the threaded part of which I cut a key-seat, X, into which I insert the

key C, of lead, copper, or other soft metal. B is the nut, on the outside face of which I make the indentations D.

When the nut is screwed onto the bolt, the thread of the nut cuts a corresponding thread on the soft-metal key, thereby preventing the key from coming out.

When the nut is screwed up to its place, that part of the key over which the nut has passed is bent or riveted up against the outside face of the nut and driven into the indentations, thereby locking the nut on the bolt more effectually than by using only my previous invention herein mentioned.

I claim as my invention—

The combination of the indentations D with the soft-metal key C, substantially as and for the purpose set forth.

DAVID CUMMING, JR.

Witnesses:

ABM. B. RAPELYE,  
JOHN S. RAY.