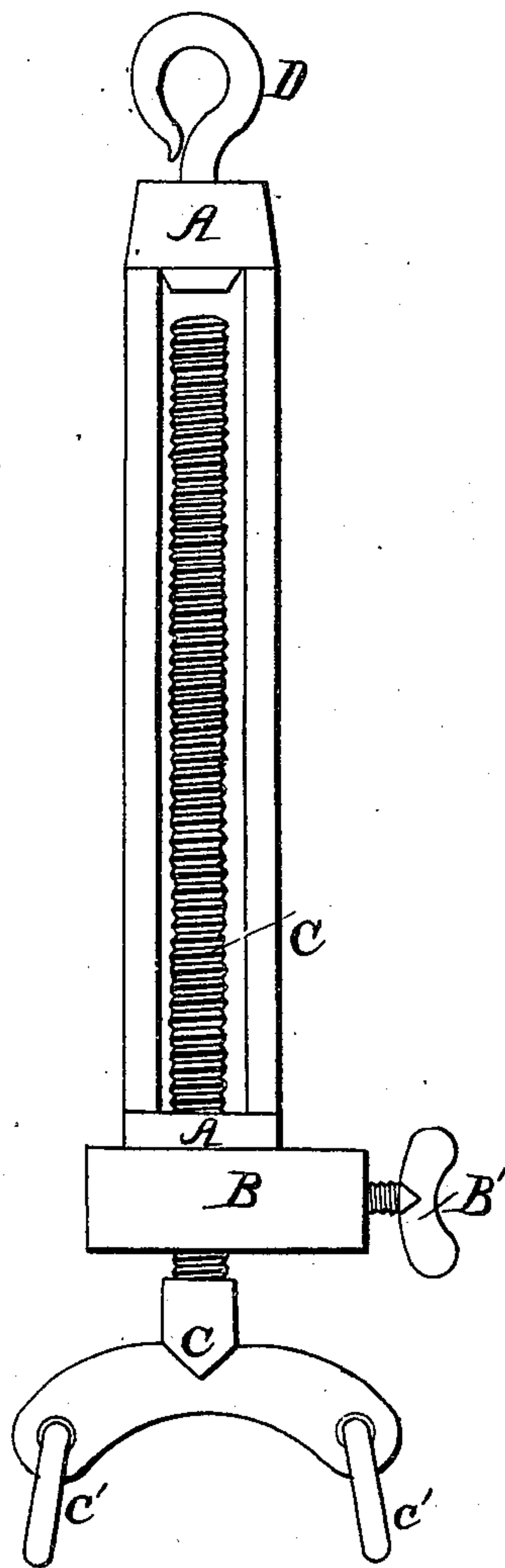


*R. B. Magee.*  
*Temper Screw.*

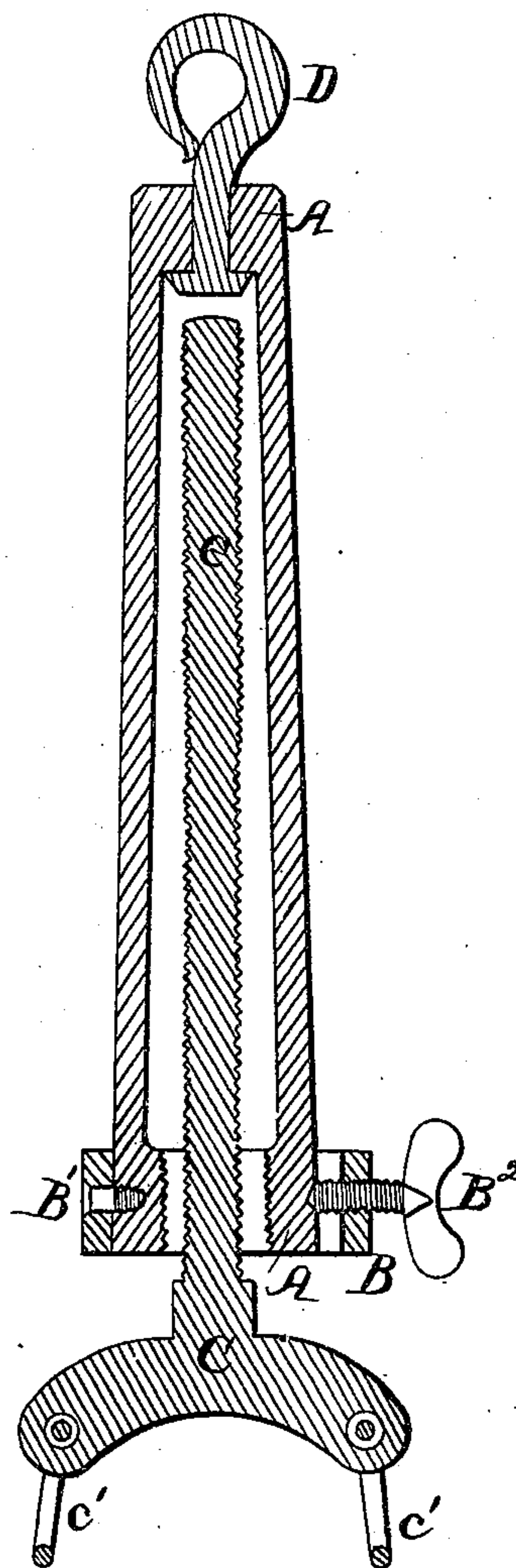
*N<sup>o</sup> 85,461.*

*Patented Dec. 29, 1868.*

*Fig. 1.*



*Fig. 2.*



*Witnesses;*  
*Perceval Beckett.*  
*Edward Winter.*

*Inventor;*  
*Robert B. Magee.*

# UNITED STATES PATENT OFFICE.

ROBERT B. MAGEE, OF VENANGO CITY, PENNSYLVANIA.

## IMPROVED TEMPER-SCREW FOR OIL-WELLS.

Specification forming part of Letters Patent No. **85,461**, dated December 29, 1868.

*To all whom it may concern:*

Be it known that I, ROBERT B. MAGEE, of Venango City, in the county of Venango and State of Pennsylvania, have invented certain new and useful Improvements in Temper-Screws for Oil or Artesian Wells; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in temper-screws used in the operation of boring oil or Artesian wells; and it consists in constructing the brace-nut (through which the screw passes) in two pieces, which are held together by a clamp riveted or screwed in a suitable manner to the before-mentioned nut. The clamp is further provided with a set-screw of any suitable construction, form, or proportion, which passes through and bears against the before-named nut, and so arranged that when the screw is slackened the nut will spring open.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, Figure 1 is an elevation of my improved temper-screw, showing the nut closed. Fig. 2 is a vertical section of the same, showing the nut opened.

A represents the brace-nut; B, the clamp; C, the temper-screw; B', the screw or rivet; B<sup>2</sup>, the set-screw; C', the links which support the boring-bar clamps; D, the eye by which the devices are supported.

The mode of operating my devices is as follows, viz: The eye D is attached by means of a rope or such like contrivance to the walking-beam of the boring-machine. The set-screw B<sup>2</sup> is slackened sufficiently so as to enable the brace-nut A to open wide enough to admit the temper-screw C through without engaging the threads. The set-screw B<sup>2</sup> is then tightened in such a manner as to engage the threads of the temper-screw C, which is then operated upon and with in the usual manner.

Temper-screw nuts have been heretofore made solid, and as the screw is of considerable length it takes an amount of labor and time to unscrew and reship the screw when required. By the use of my devices the screw can be unshipped and reshipped with ease and in comparatively no time.

Having thus described the nature, construction, and operation of my improved temper-screw, what I claim, and desire to secure by Letters Patent, is—

The combination of the screw C, with its links C' and C', with the brace-nut A, clamp B, rivet B', and set-screw B<sup>2</sup>, when constructed, combined, arranged, and operating substantially as herein described, and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ROBERT B. MAGEE.

Witnesses:

PERCEVAL BECKETT,  
EDWARD WINTER.