

D. R. PRATT.
NUT-LOCK.

No. 183,324.

Patented Oct. 17, 1876.

FIG. II.

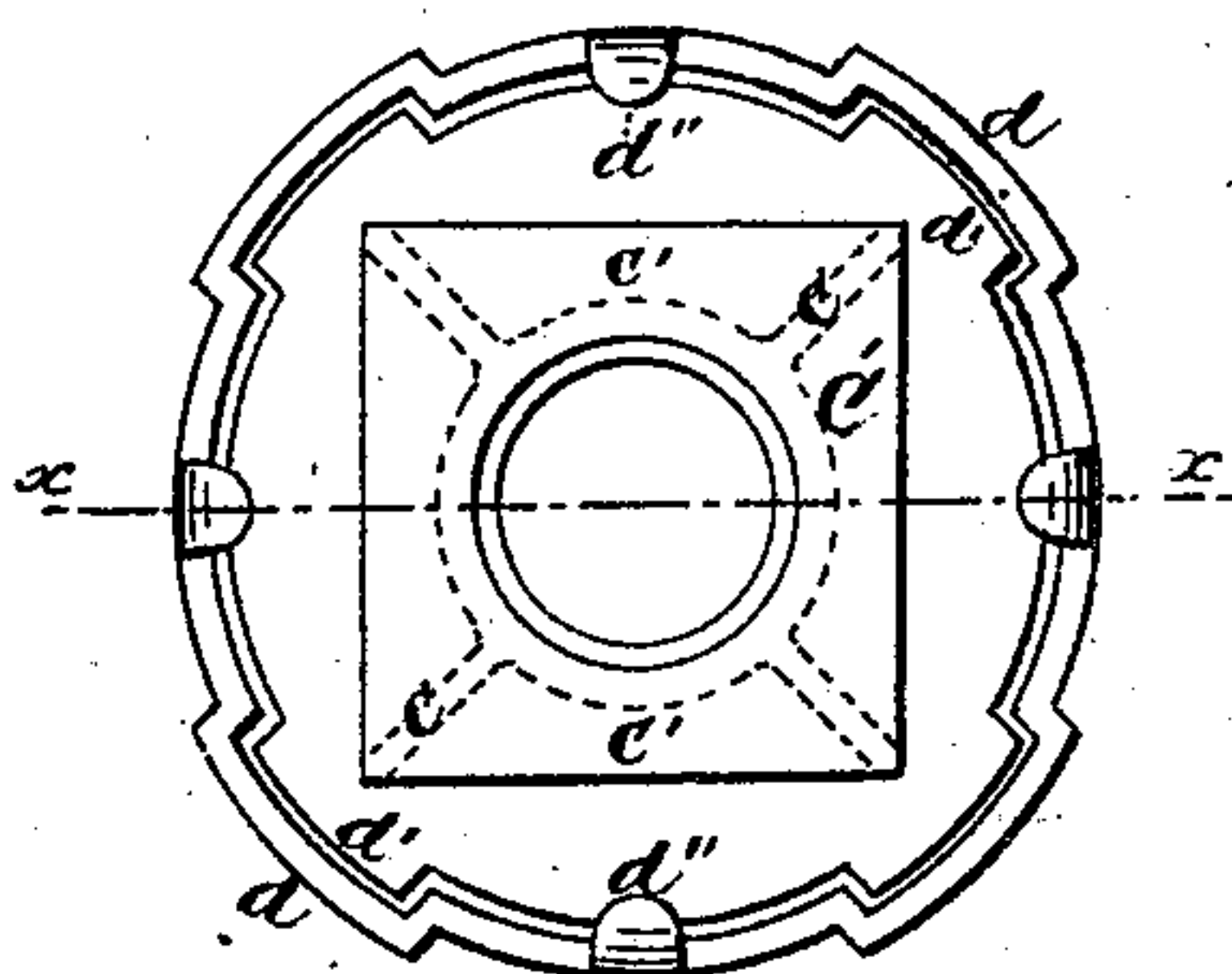


FIG. III.

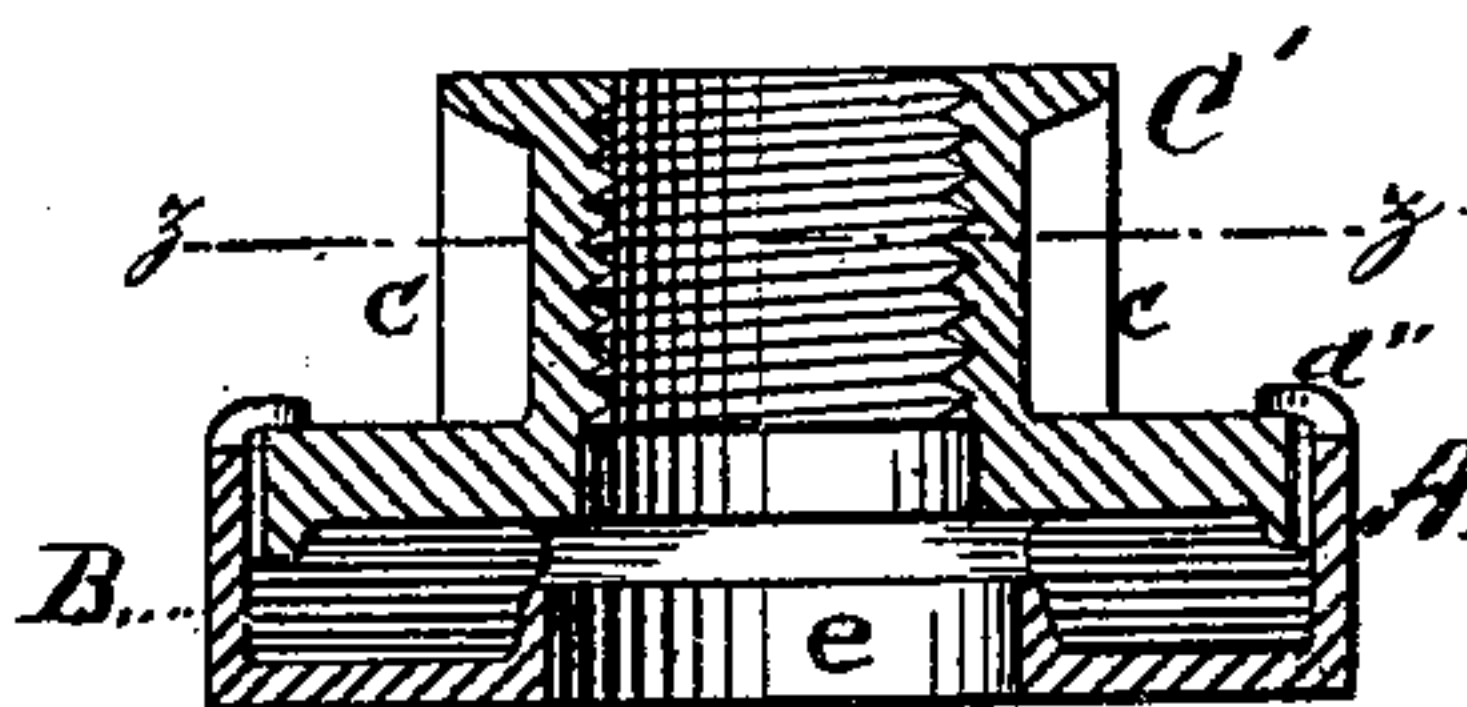


FIG. I.

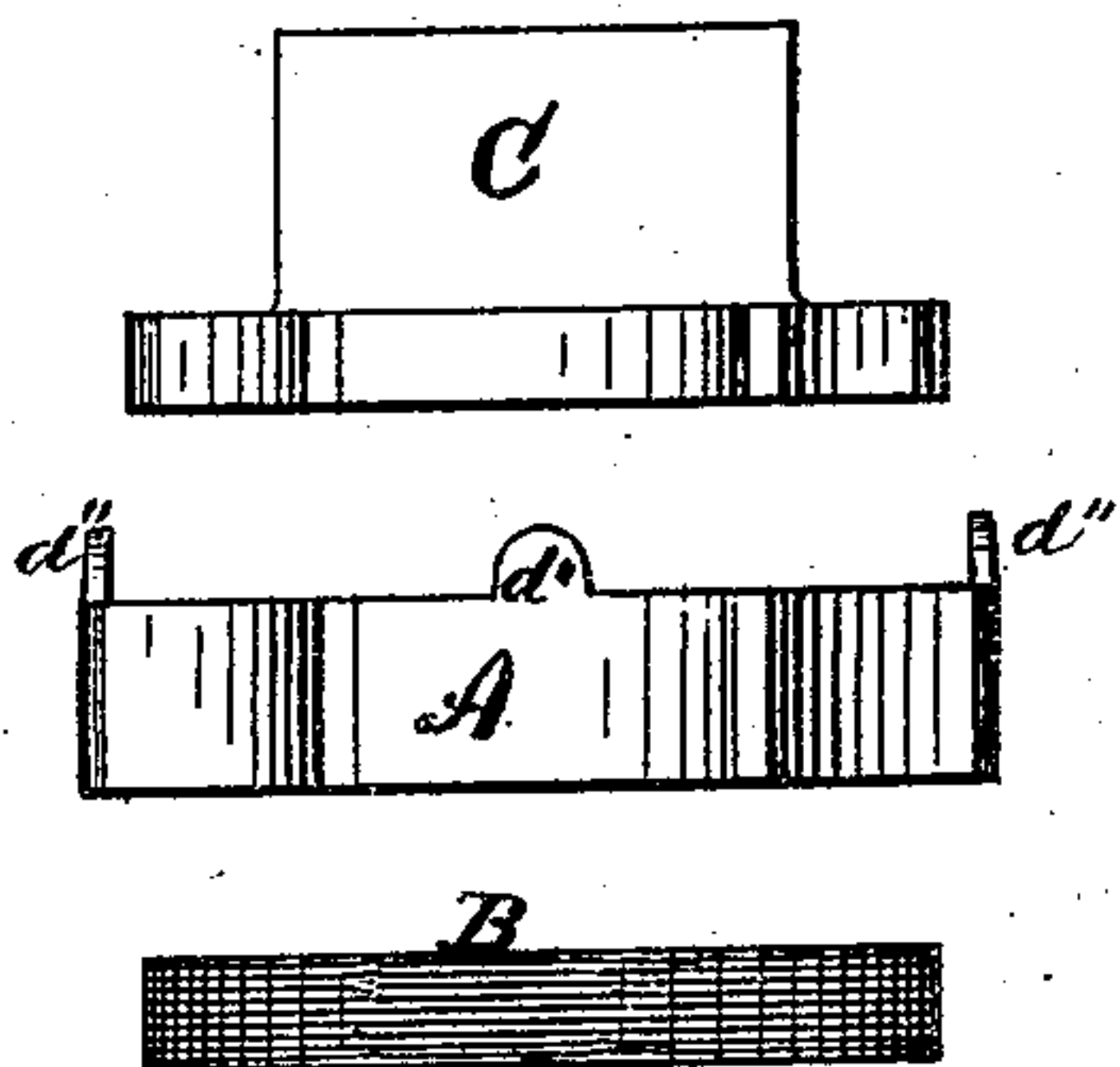
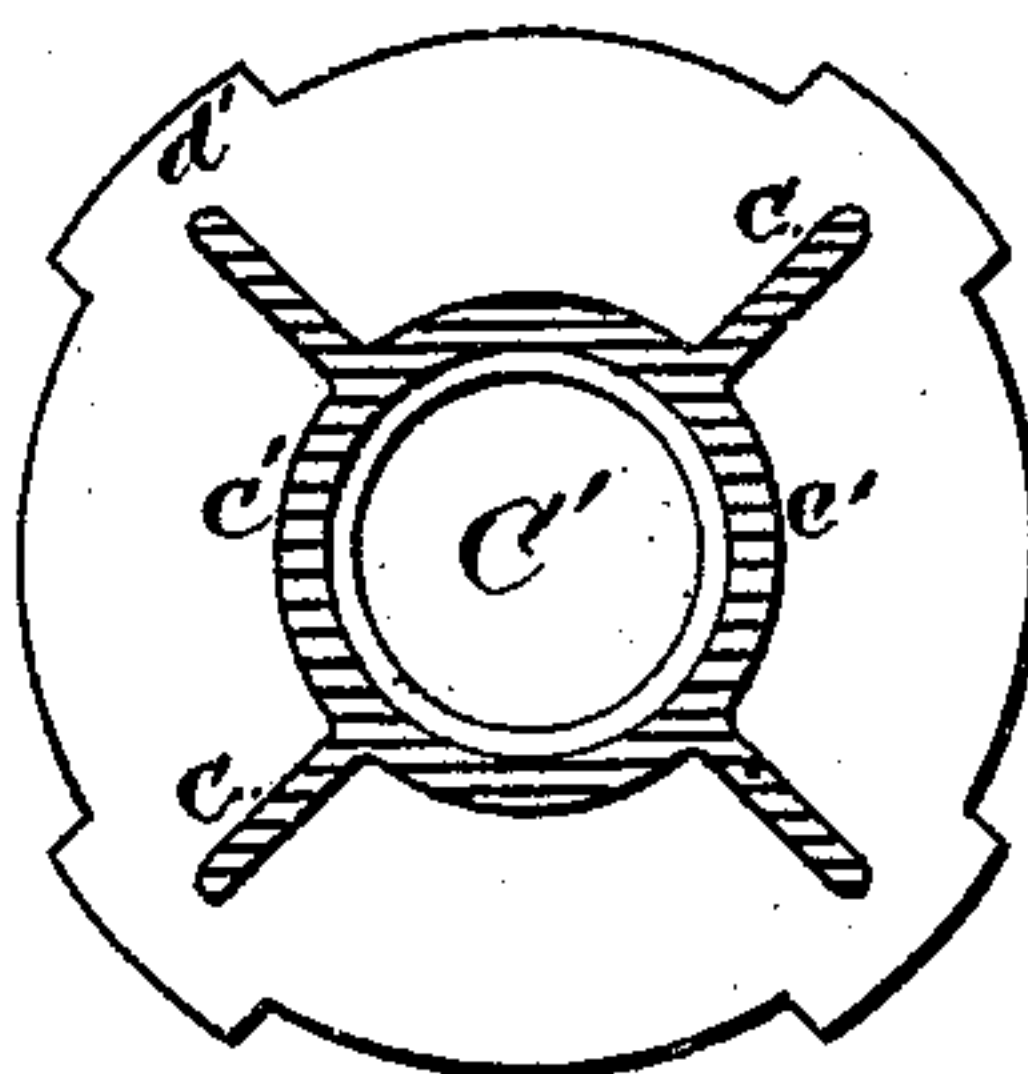


FIG. IV.



WITNESSES:

B. L. Edwards,
G. B. Payne.

INVENTOR.

Daniel R. Pratt,
by B. F. James,
his atty.

UNITED STATES PATENT OFFICE.

DANIEL R. PRATT, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN NUT-LOCKS.

Specification forming part of Letters Patent No. **183,324**, dated October 17, 1876; application filed July 30, 1874.

To all whom it may concern:

Be it known that I, DANIEL R. PRATT, of the city of Brooklyn and State of New York, have invented a new and useful Improvement in what I denominate "Duplex-Spring Nuts;" and I do hereby declare the following to be a true and correct description of the construction and operation of the same, reference being had to the annexed drawings, making part and parcel of this my specification.

The nature of my invention relates to the construction of a nut and follower in one solid piece of metal, combined with a cup or case to hold a spring, and the notches and clamping projections, which are made to correspond, all of which will be more clearly hereinafter described.

Figure 1 shows the nut and follower, cup or spring-case, and the spring detached. Fig. 2 is a face view, showing the nut with its follower, the cup or spring-case, and mode of securing the latter to the nut and follower. Fig. 3 is a cross-section on line *x x*, Fig. 2. Fig. 4 is a section on line *z z* of Fig. 3.

In said drawings, *C* and *C'* represent the nuts connected with a flange or follower, upon the circumference of which the projections or lugs *d' d'* are formed, which, when placed in position upon and within the cup *A*, fit into the projecting spaces of said cup at *d d*. The cup *A* has an interior and upwardly-projecting flange, *e*, formed around the space through

which the bolt passes. The spring *B* is made to conform in size and shape to fit within the cup *A*, and filling the cup between the flange *e* and the sides of said cup, when said spring is inserted and the nut with its follower placed upon the same, as seen in Figs. 2 and 5. The ears *d'' d''* are bent inward upon the nut-follower, holding all of the said separate parts together, and are ready to be applied to any screw-bolt adapted to receive such nut. The strain upon the bolt is thus relieved by reason of the inclosed spring, and avoids the rattling noise attendant upon the common construction of nuts and bolts. The several devices—to wit, the cup, spring, and nut—all turn together when the wrench is applied to the nut, avoiding the crushing or grinding of the spring.

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

The nut and follower *C*, cast in one piece, with the depressions *c' c'* formed within or upon the side face of the nut, and with the projections *d' d'* upon the periphery of the follower, in combination with the cup *A*, having formed upon and within it the lugs or ears *d'' d''*, in the manner and for the purpose herein described.

DANIEL R. PRATT.

Witnesses:

JOS. T. K. PLANT,
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