

(No Model.)

S. P. GREENE & A. R. YOUNG.

SPINDLE BOLSTER.

No. 334,371.

Patented Jan. 12, 1886.

Fig:1.

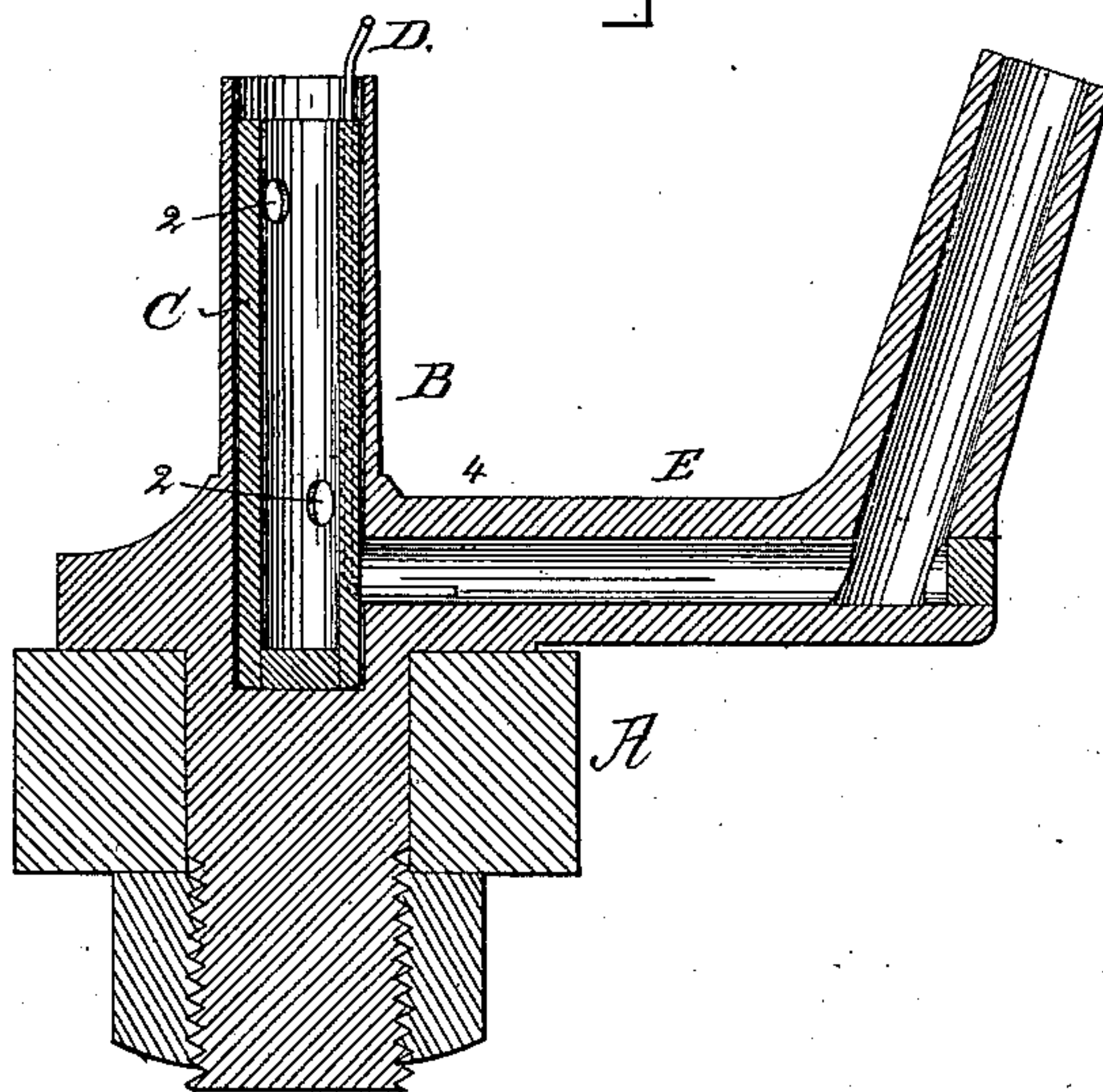
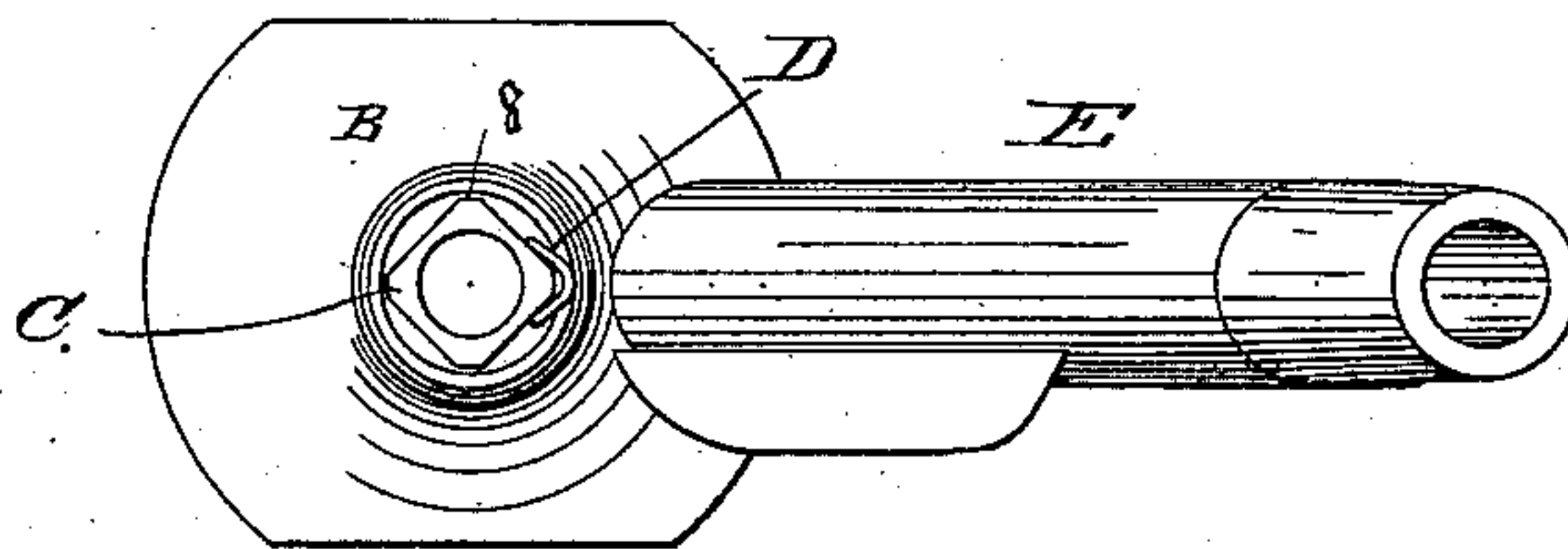


Fig:3



Fig:2.



Witnesses.

*Arthur Lippertsen.*  
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Inventors.

*Stephen P. Greene and*  
*Adelbert R. Young.*  
*by Emory H. Higney attys.*

# UNITED STATES PATENT OFFICE.

STEPHEN P. GREENE AND ADELBERT R. YOUNG, OF JEWETT CITY, CONNECTICUT, ASSIGNORS OF ONE-HALF TO GEORGE DRAPER & SONS, OF HOPEDALE, MASSACHUSETTS.

## SPINDLE-BOLSTER.

SPECIFICATION forming part of Letters Patent No. 334,371, dated January 12, 1886.

Application filed November 24, 1884. Serial No. 142,668. (No model.)

*To all whom it may concern:*

Be it known that we, STEPHEN P. GREENE and ADELBERT R. YOUNG, of Jewett City, county of New London, State of Connecticut, have invented an Improvement in Spindle-Bolsters, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

In accordance with our invention the bolster placed in the bolster-case loosely in the presence of oil is held therein in a yielding manner by a loop-shaped spring, which embraces a longitudinal edge or corner of the bolster, the latter, as herein shown, being made square in cross-section. The loop-shaped spring (shown as of wire,) takes the place of the usual fibrous or elastic packing, and also of the usual devices employed to prevent rotation of the bolster in the bolster-case.

Figure 1, in vertical section, represents a spindle-bolster, bolster-case, and bolster-rail with our improved loop-shaped bolster-holding spring added between the bolster and bolster-case. Fig. 2 is a top view of our improved bolster-case, bolster, and spring; and Fig. 3 represents the loop-shaped spring by itself.

The rail A and bolster-case B are of usual construction. The bolster C, as herein shown, is rectangular in cross-section, so that its longitudinal edges or corners 8 have a loose fit in the bolster-case, the large spaces left between the slabbed sides of the bolster and the interior of the case affording ample space for oil, which latter serves as a cushion, as is well understood. The oil readily flows through holes 2 2 in the bolster.

To retain the bolster from rotating with the usual spindle, (not shown, but which will be

supported within the bolster-case,) we have provided a spring, D, bent or shaped as shown in Fig. 3, the looped end thereof embracing one of the projecting corners 8 of the bolster, as shown in Figs. 1 and 2, and to hold the spring in place we have provided it with suitable prongs, 3 3, that enter the opening 4 in the tube E, which supplies oil to the bolster-case. This loop-shaped spring, in connection with the oil in the bolster-case, supports the bolster in a yielding manner, so that it readily adapts itself to the rotation of the spindle as it adjusts itself to the load carried by it.

The spring, made of spring-wire and in the form of a loop, is very easily produced, and by straddling a corner 8 of the bolster produces sufficient friction thereon to hold the bolster down in the case.

We claim—

1. The bolster-case and the bolster fitted therein loosely and provided with a projection or corner, 8, combined with a loop-shaped spring to engage the said projection or corner and hold the bolster, substantially as described.

2. The bolster-case and the loop-shaped spring having prongs by which to prevent it from being moved about in the said case, combined with the bolster placed loosely in the bolster-case and engaged, substantially as described, by the said spring, as and for the purpose set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

STEPHEN P. GREENE.  
ADELBERT R. YOUNG.

Witnesses:

W. J. BARBER,  
H. W. ALLSOP.