

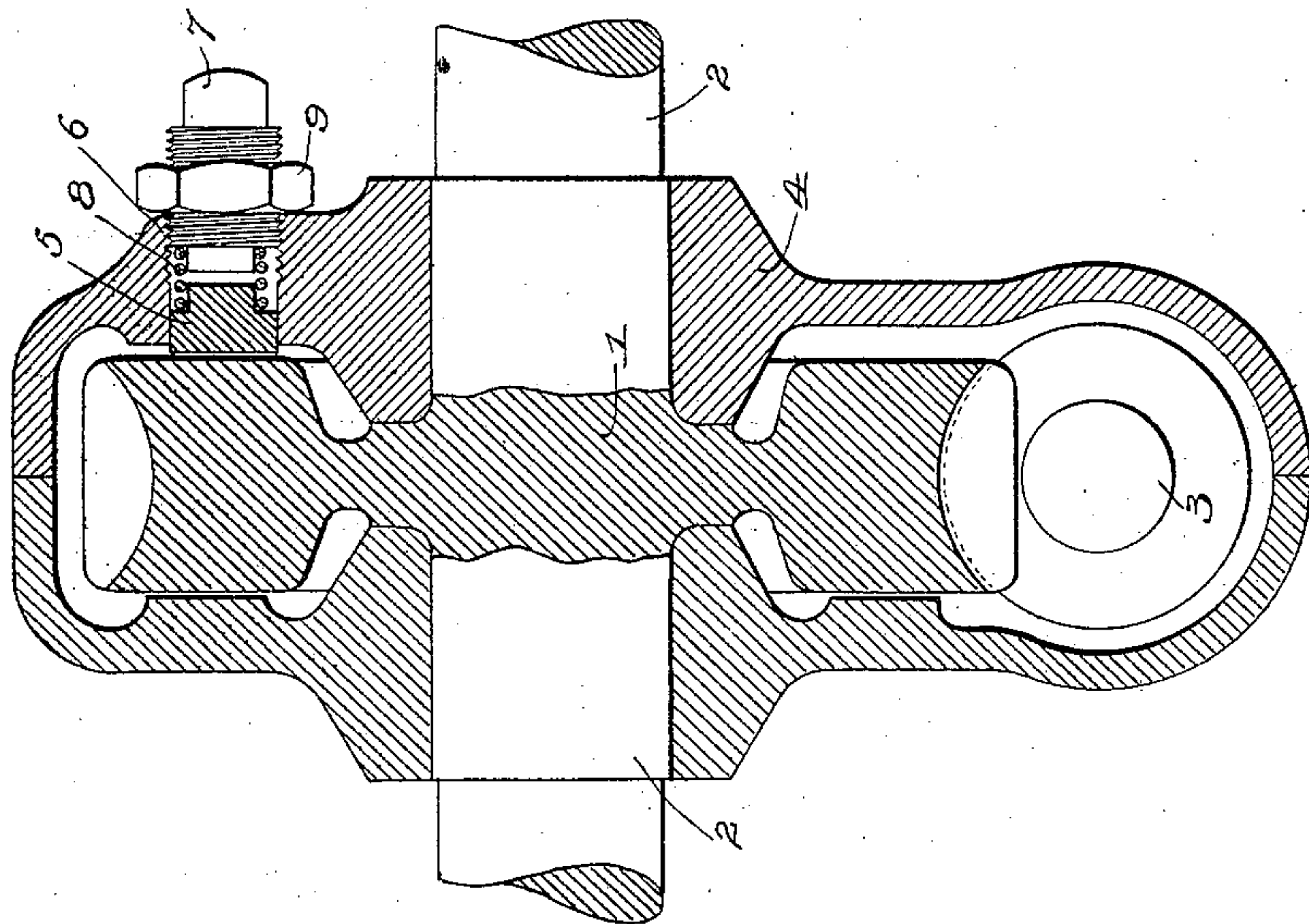
(No Model.)

H. R. TOWNE.

FRICTIONAL CONTROLLING DEVICE FOR SCREW HOISTS.

No. 575,016.

Patented Jan. 12, 1897.



Witnesses:

Henry J. Pohn.  
Walter E. Allen.

Inventor:

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By Knight Bros.  
Attys

# UNITED STATES PATENT OFFICE.

HENRY R. TOWNE, OF STAMFORD, CONNECTICUT, ASSIGNOR TO THE YALE  
& TOWNE MANUFACTURING COMPANY, OF SAME PLACE.

## FRICTIONAL CONTROLLING DEVICE FOR SCREW-HOISTS.

SPECIFICATION forming part of Letters Patent No. 575,016, dated January 12, 1897.

Application filed May 22, 1894. Serial No. 512,106. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY R. TOWNE, a citizen of the United States, residing at Stamford, in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Frictional Controlling Devices for Screw-Hoists, of which the following specification, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention consists in novel features of construction hereinafter described and claimed.

The drawing is a transverse sectional view of a screw-hoist, showing the adjustable frictional device applied to one face of the worm-wheel.

1 represents the worm-wheel, journaled in a suitable casing 4 upon the gudgeons 2, and 3 is the worm-shaft or driving-screw, journaled in the lower part of the casing 4 and provided on its projecting end with a power-wheel, which is not shown.

5 is a friction-block seated in a recess or opening 6, formed in the casing 4 adjacent to a face of the worm-wheel 1.

7 is the adjusting-screw, working in a screw-

threaded opening which is tapped through the casing 4 into the opening or recess 6 and is adapted to bear against an interposed spring 8.

9 is a clamping-nut for holding the adjusting-screw 7 in any desired adjusted position.

It will be observed that by means of the screw 7 the pressure of the friction-block 5 upon the face of the worm-wheel 1 can be regulated at will to control the action of the hoist.

Having thus fully described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

A screw-hoist comprising a worm-wheel having gudgeons 2, a worm-shaft 3, a casing 4 in which the gudgeons are journaled, having an opening 6, a friction-block 5 mounted in the opening, an adjusting-screw 7 working through the casing, a spring 8 interposed between the block and the screw, and a clamping-nut 9, for locking the screw; substantially as described.

HENRY R. TOWNE.

Witnesses:

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