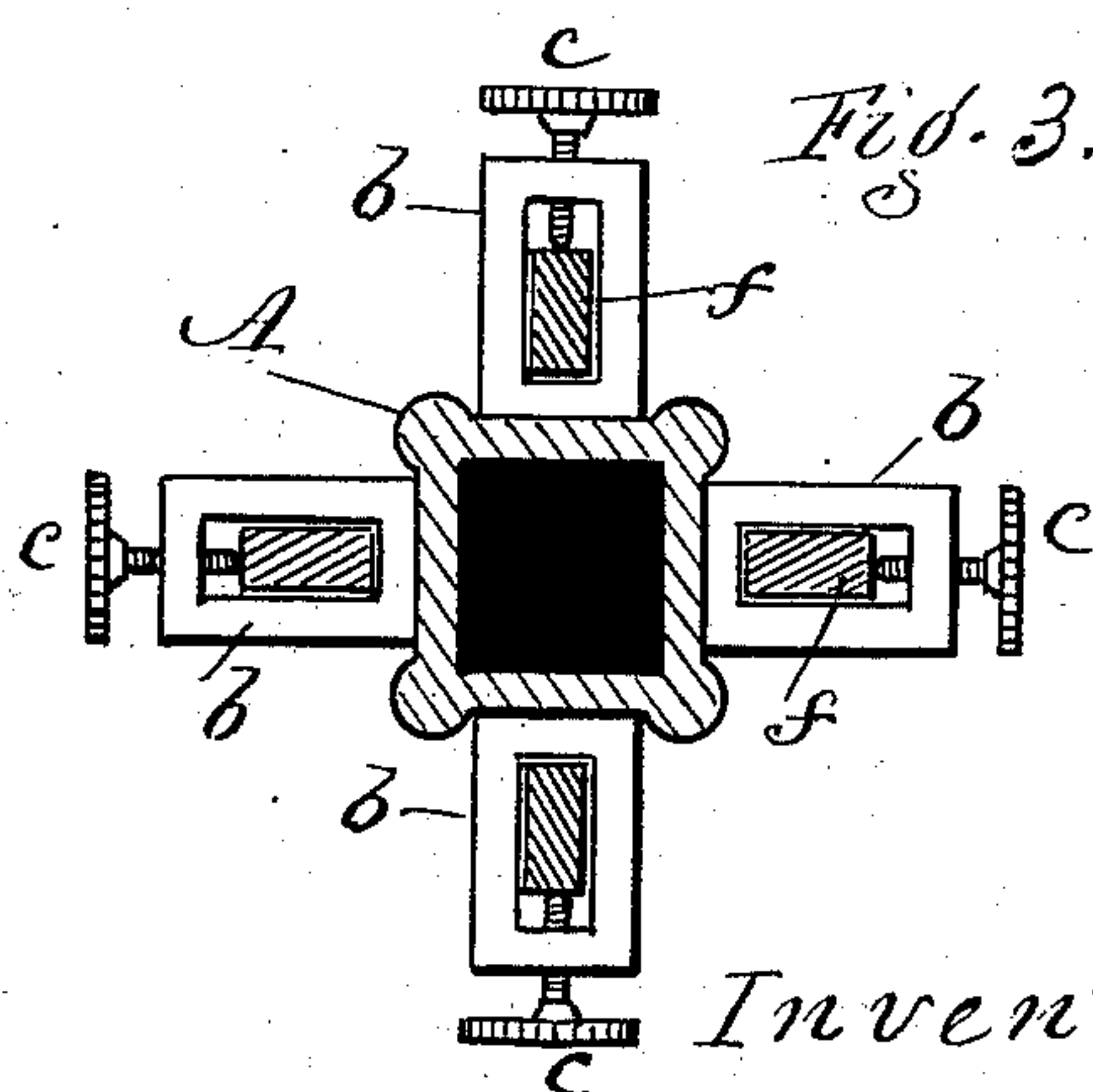
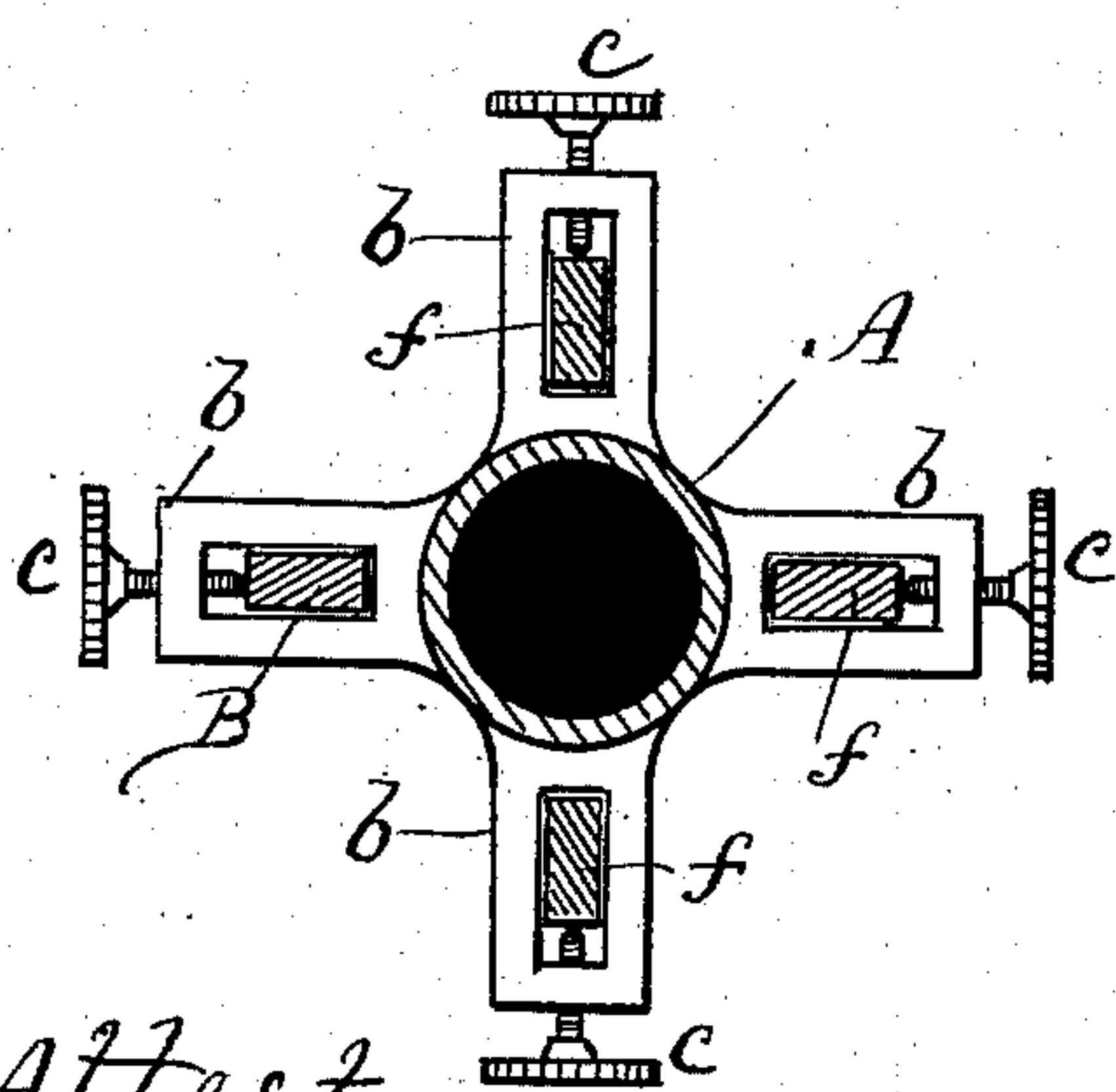
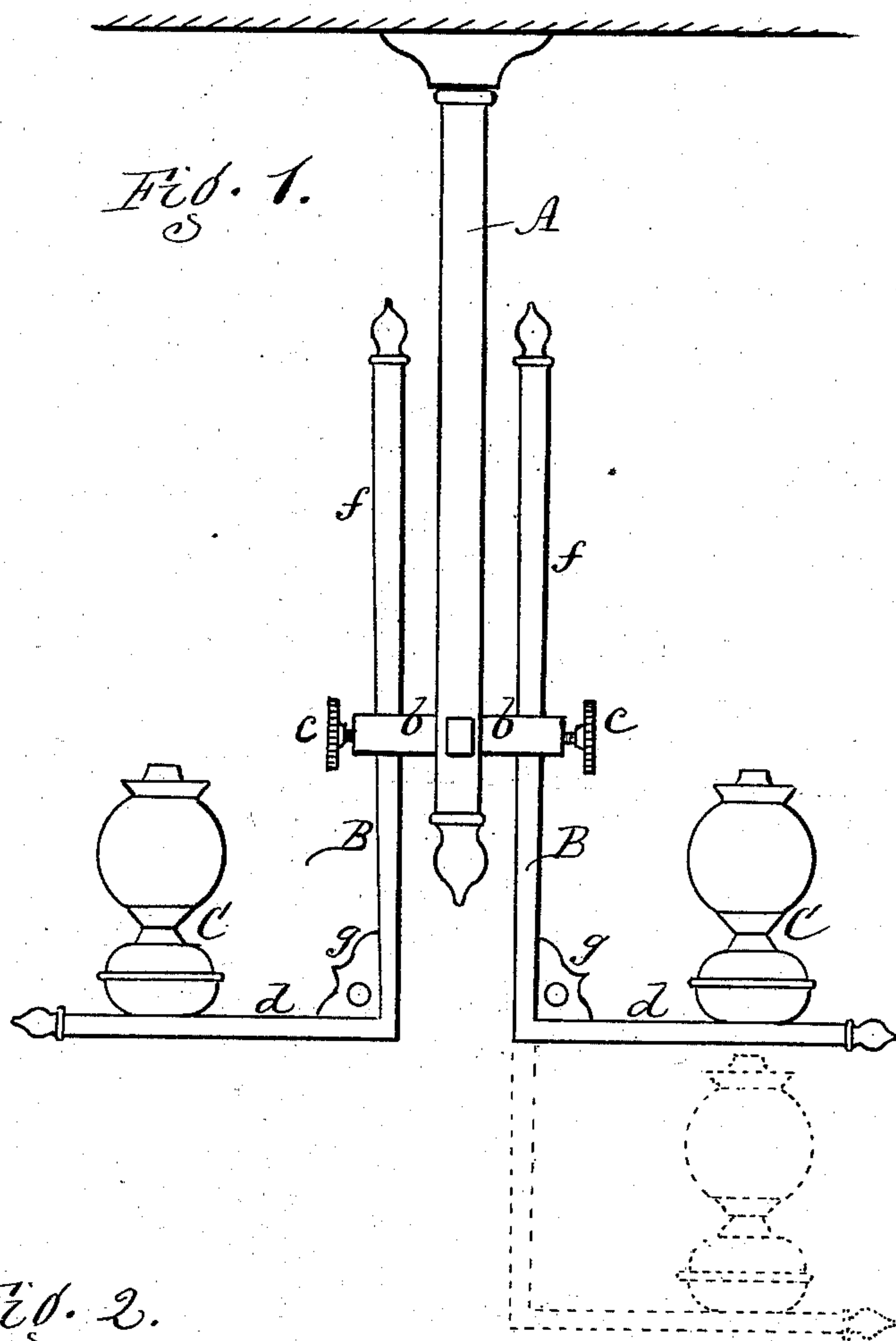


(No Model.)

C. F. SPENCER.  
Drop Light Fixture.

No. 237,211.

Patented Feb. 1, 1881.



Attest.  
R. F. Osgood.  
Jacob Spahr

Inventor.  
Chas. F. Spencer.

# UNITED STATES PATENT OFFICE.

CHARLES F. SPENCER, OF ROCHESTER, NEW YORK, ASSIGNOR TO ADAM ZIMMER AND HENRY S. BALLOU, OF SAME PLACE.

## DROP-LIGHT FIXTURE.

SPECIFICATION forming part of Letters Patent No. 237,211, dated February 1, 1881.

Application filed November 8, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES F. SPENCER, of Rochester, Monroe county, New York, have invented a certain new and useful Improvement in Drop-Light Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

10 Figure 1 is a side elevation of the fixture. Fig. 2 is a cross-section on an enlarged scale. Fig. 3 is a view similar to Fig. 2, but showing a different form of the hanger.

15 My improvement relates to drop-light fixtures for lamps; and it consists in the construction and arrangement hereinafter described, whereby great simplicity and cheapness are attained.

20 In the drawings, A represents the hanger or pendant, which is suspended from the ceiling in the usual manner. Near the bottom it has loops or bearings *b b*, through which pass right-angled or curved fixtures B B, which are secured at any adjustment by means of set-screws *c c*, which pass through the ends of the bearings and clamp against the fixtures. The hanger may be round, square, or of any desired form in cross-section, and may be ornamented in any desired manner.

30 The fixtures B B consist each of a horizontal arm, *d*, which supports the lamp C, and a vertical standard, *f*, which runs up through the loop or bearing and is secured by the set-screw, as before described. These fixtures 35 may also be ornamented in any desired manner, and may have, in the angle between the horizontal and vertical arms, a flange, *g*, which serves both as an ornament and a brace or strengthener. The vertical arms *f f* are each 40 made tapering or wedge-shaped, as shown in Fig. 1, the widest end being at the top. The taper is gradual from top to bottom.

The fixtures above described can all be made

of cast-iron, and are therefore very cheap; or, if desired, the hanger can be made of tubing 45 and the fixtures of cast-iron.

Another feature consists in the tapering or wedging form of the vertical arms of the hanging fixtures. By this device two advantages are secured: first, if by accident the fixture 50 supporting the lamp should be dropped, it would gradually tighten against the set-screw, thereby preventing the fixture from running down its whole length and preventing shock; second, if the set-screw, when turned up, 55 should fail to hold the fixture fast, the latter would work down and be self-tightening, thereby holding it against rattling or loose movement.

Instead of set-screws *c c*, eccentrics, cams, or 60 similar devices may be used to hold the fixtures.

I do not claim, broadly, lamps having a vertical adjustment separate and independent from each other; but

I claim—

65 1. A drop-light fixture for lamps, consisting of the single central hanger, A, provided with loops *b b* at its lower end, and the lamp-fixtures B B, provided with vertical standards *f f*, resting in the loops and secured by set-screws *c c*, as shown and described, and for the purpose specified. 70

2. In a drop-light fixture, the combination of the hanger A, provided with the loops *b b*, the fixtures B B, provided with tapering or 75 wedge-shaped vertical standards *f f*, resting in the loops, and set-screws *c c*, clamping against the tapering standards, as shown and described, and for the purpose specified.

In witness whereof I have hereunto signed 80 my name in the presence of two subscribing witnesses.

CHAS. F. SPENCER.

Witnesses:

R. F. OSGOOD,  
R. E. WHITE.