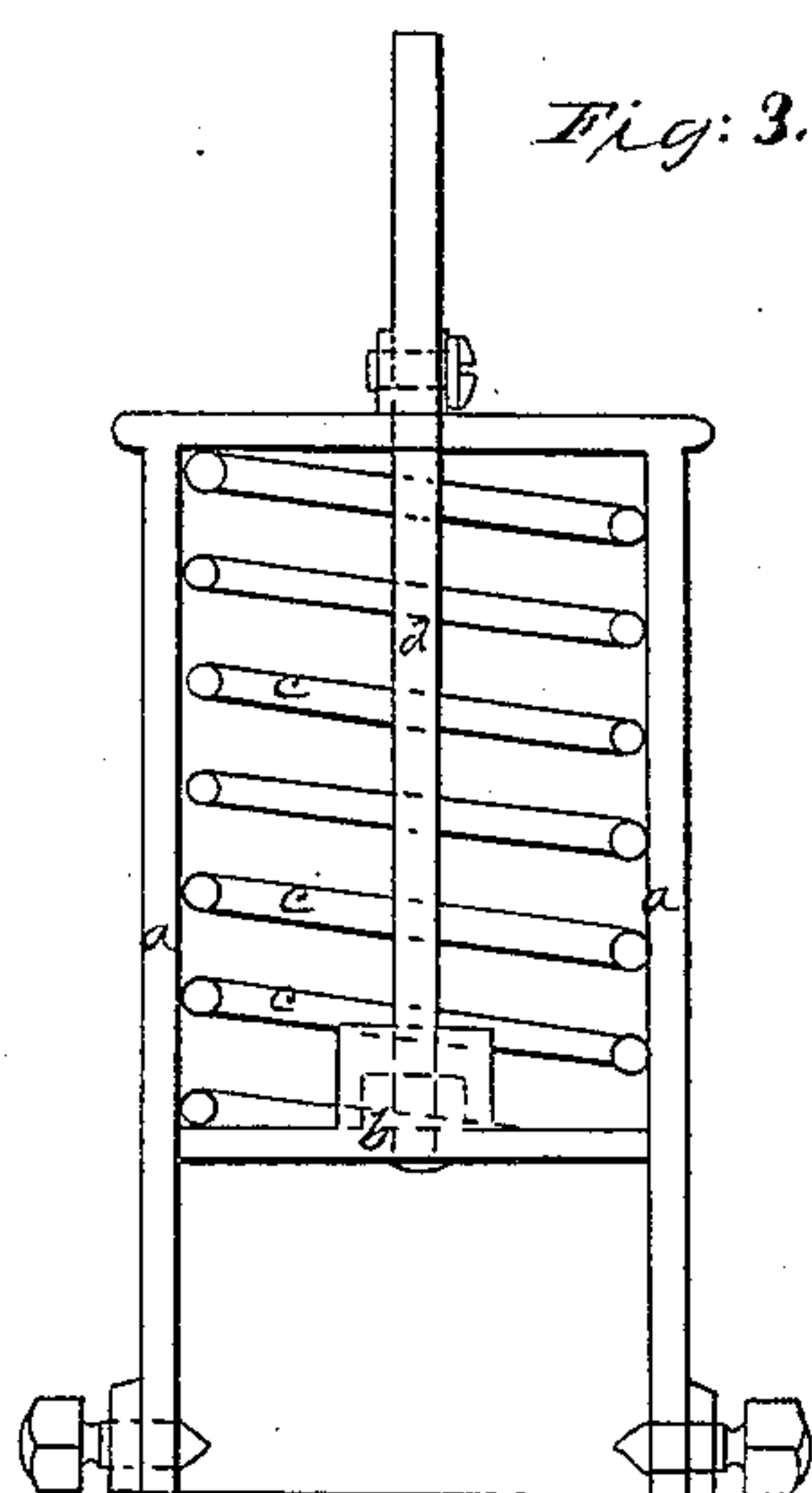
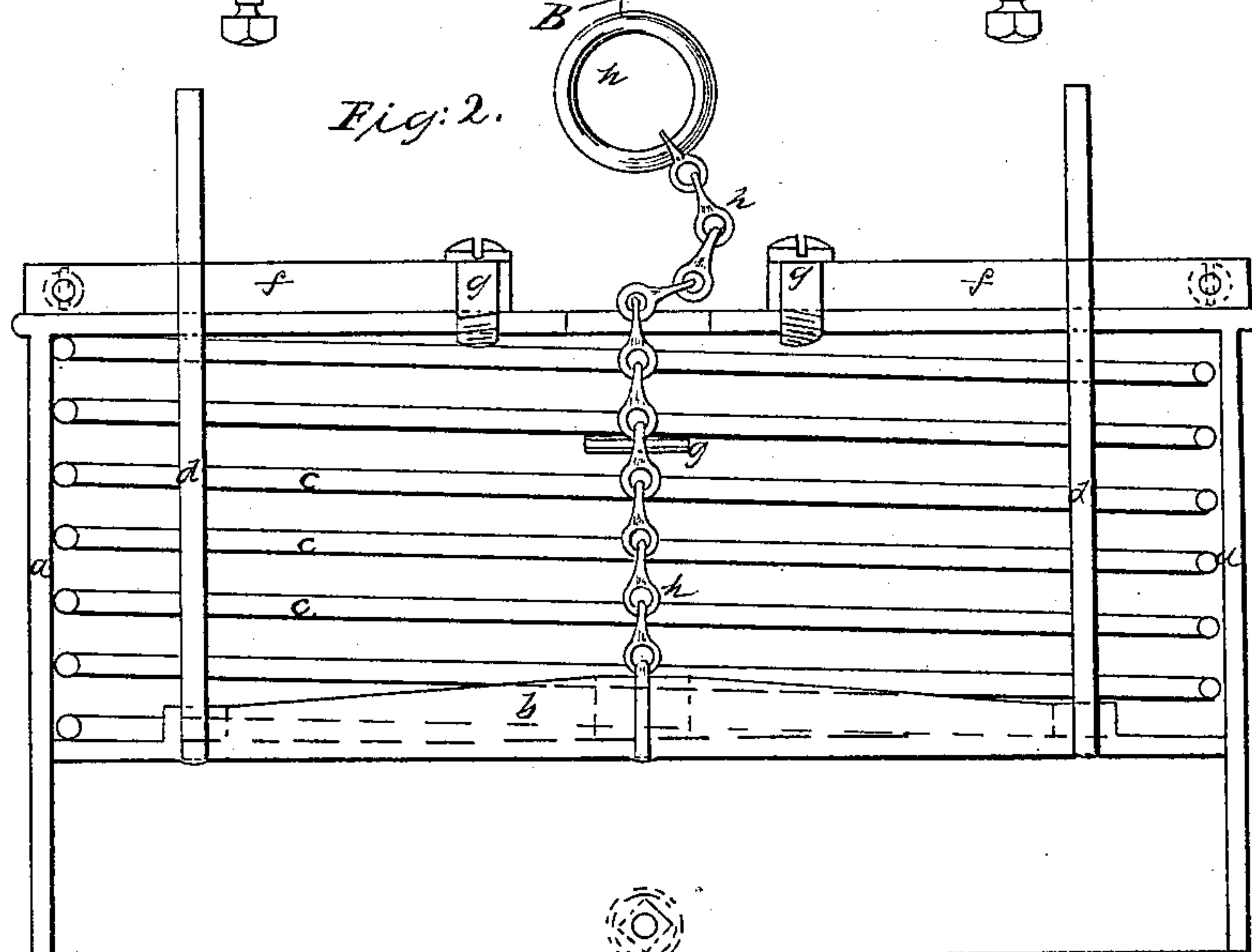
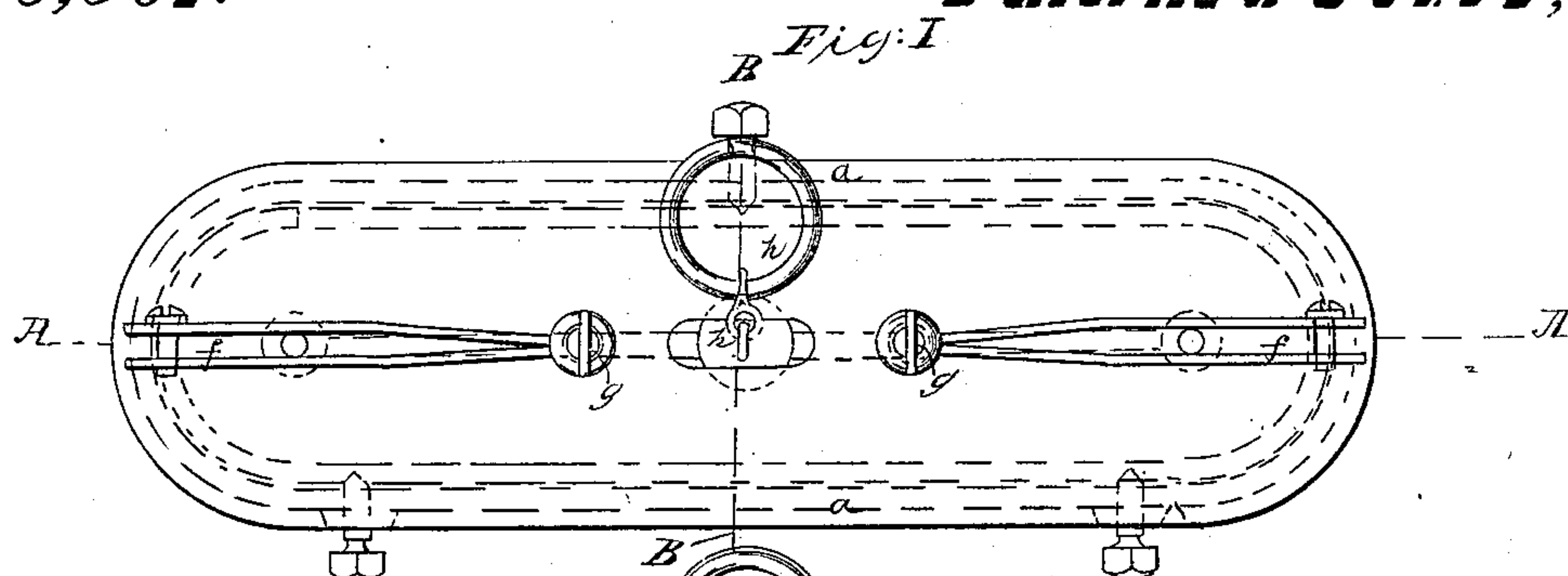


C. S. Westlandt,
Journal Lubricator.

N^o 33,562.

Patented Oct. 22, 1861.



Witnesses:

D. A. Round
Geo. W. Adams

Inventor

Charles S. Westlandt

UNITED STATES PATENT OFFICE.

CHARLES S. WESTLANDT, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO
ADIN ALEXANDER, OF SAME PLACE, AND WILLIAM J. INNIS, OF NORTH
PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN LUBRICATING-CUPS.

Specification forming part of Letters Patent No. 33,562, dated October 22, 1861.

To all whom it may concern:

Be it known that I, CHARLES S. WESTLANDT, of the city of Providence and State of Rhode Island, have invented a new and useful Improvement in Lubricating-Cups for Shafting; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan view. Fig. 2 is a sectional view taken at the line A A, Fig. 1. Fig. 3 is a cross-section taken at the line B B, Fig. 1.

The same letters indicate like parts in all the figures.

The object of my invention is not only to lessen the cost of lubricating shafting, but also to obviate the difficulty and danger sometimes attendant upon oiling shafting when in motion, especially near large belts and gears, and also where shafting runs underground from one building to another; and with this view my invention consists in the use of a box or cup for holding tallow or other similar lubricating material, said box or cup being made fast to the cap of the bearing by means of set-screws *k* or by being cast onto the cap solid. In the interior of the cup is placed a follower for the purpose of compressing the lubricating material onto the bearing. Said follower is operated by means of a spring and kept in its place by means of two (more or less) guide-rods made fast to the follower and passing up through the top of the cup. The rods also serve as indicators to show when the cup is empty. On the top of the cup is placed a friction-strap to each guide-rod for the purpose of regulating the pressure of the follower on the lubricating material.

In the accompanying drawings, *a* represents the cup in which is placed the lubricating material.

b is a follower in the interior of the cup for the purpose of pressing the tallow onto the shaft, the follower *b* being operated by means of the spiral spring *c*. The follower *b* has attached to it two guide-rods *d*, which pass up through the top of the cup and serve to keep the follower in place. They also serve as indicators to show when the cup is empty. On the top of the cup are two friction-straps *f*, one at each end, made fast to the top of the cup by means of a screw *g* or otherwise. The friction-straps *f* are for the purpose of making friction on the guide-rods, and thereby lessening the pressure of the follower on the lubricating material should the spring be found too stiff.

h is a ring and chain attached to the follower for the purpose of raising it when the cup is to be refilled.

i is a toggle, which passes up through an elongated slot in the top of the cup and retains the follower *b* in place while the cup is being refilled. The cup is then replaced on the bearing, the toggle let go, and the operation of lubricating at once commences.

I do not claim as my invention lubricating shafting by means of tallow or other material; but

What I do claim, and desire to secure by Letters Patent, is—

The cup for holding the lubricating material, in combination with the follower, spring guide-rods, and friction-straps, substantially as described.

CHARLES S. WESTLANDT.

In presence of—

HENRY MARTIN,
EZRA D. FOGG.