

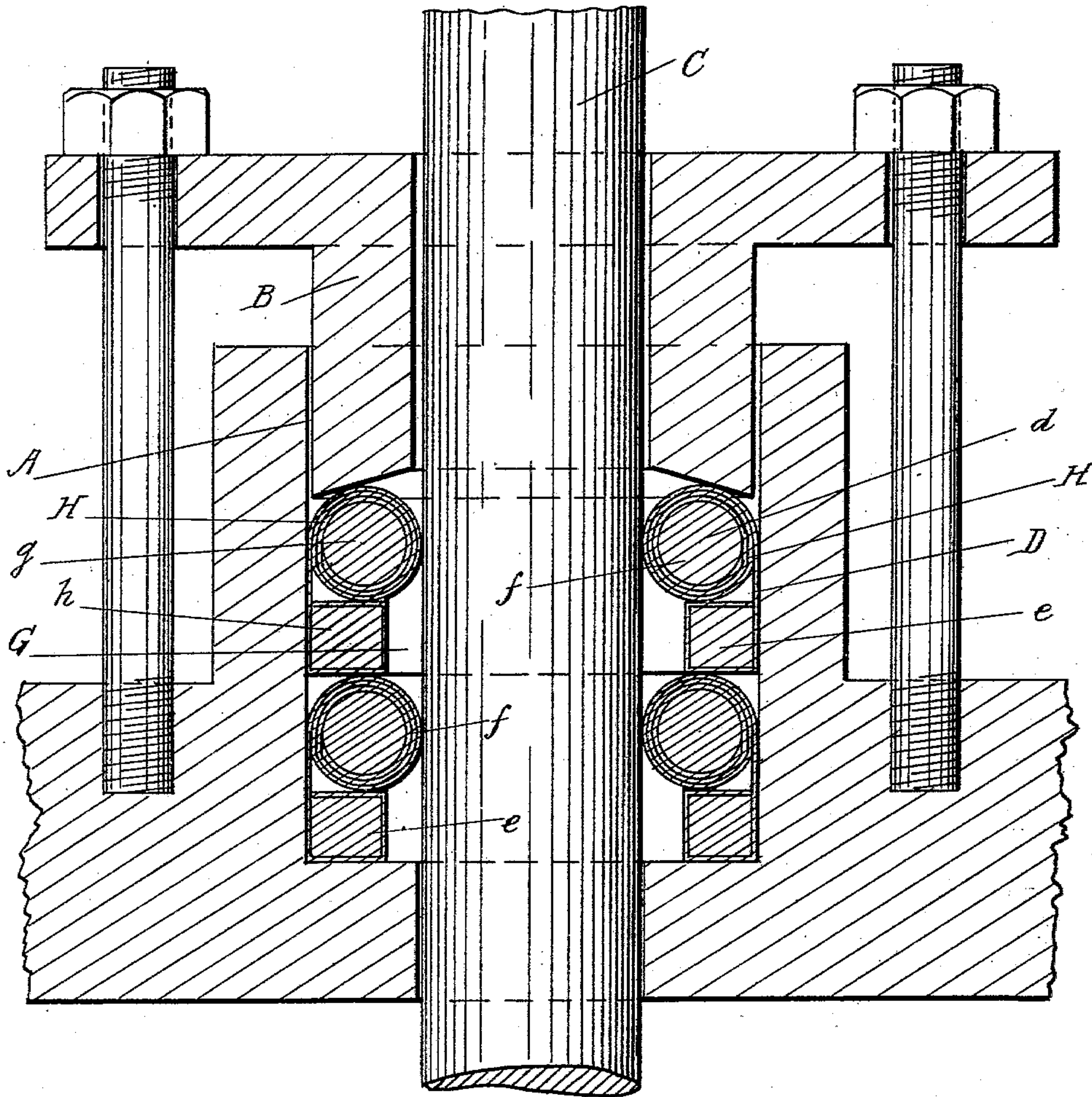
No. 745,459.

PATENTED DEC. 1, 1903.

C. B. RISLEY.
ROD PACKING.

APPLICATION FILED SEPT. 26, 1903.

NO MODEL.



WITNESSES:

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CHARLES B. RISLEY, OF PRINCETON, INDIANA.

ROD-PACKING.

SPECIFICATION forming part of Letters Patent No. 745,459, dated December 1, 1903.

Application filed September 26, 1903. Serial No. 174,793. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. RISLEY, a citizen of the United States, residing at Princeton, in the county of Gibson and State of Indiana, have invented certain new and useful Improvements in Rod-Packing; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to packing for piston-rods, plungers, and other similar cylindrical bodies; and it consists in the novel construction of the same, as hereinafter fully described and claimed.

In the drawing the figure is a vertical section through a stuffing-box provided with packing-rings according to this invention.

A is the stuffing-box, provided with a gland B, and C is the piston-rod, which slides in the stuffing-box.

The packing consists of one or more rings D. Any desired number of similar rings may be used. Each ring consists of a packing-section *d* and a filling-section *e*. The packing-section is offset upon one side of the filling-section, so that a projection *f* is formed next to the rod.

G is a water-seal chamber formed by the packing-ring between the filling-section and the rod. The packing-section has a solid core *g*, of india-rubber or other suitable packing material, which is preferably round in cross-section, and the filling-section has a similar core *h*.

H is flexible packing material, such as cloth or canvas, which is wrapped around the cores and preferably wrapped several times around the round core *g*. The core *h* is preferably square in cross-section; but the forms of the cores may be varied in carrying out the invention. The flexible material H secures the two cores together, and they are then formed into a ring around the piston-rod. The chamber G allows the packing to be tightened without binding the rod tightly, as well as affording a water seal.

The flexible packing material is secured to the cores and to itself in any approved manner, as by adhesive material or cement.

What I claim is—

1. A packing-ring formed of a round core and a rectangular core arranged one above the other so that the said round core forms a projection upon one side of the packing-ring, and flexible material wound upon the said cores and binding them together.

2. A packing-ring formed of two cores of unequal size secured one above the other so that the larger core forms a projection upon one side of the packing-ring, and flexible material wound upon the said cores and extending between them and binding the said cores together.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES B. RISLEY.

Witnesses:

JOHN J. CRISWELL,
EDWIN C. BOREN.