

JOHN. H. JENINGS. HILL COUPLING

116963

PATENTED JUL 11 1871

Fig. 1.

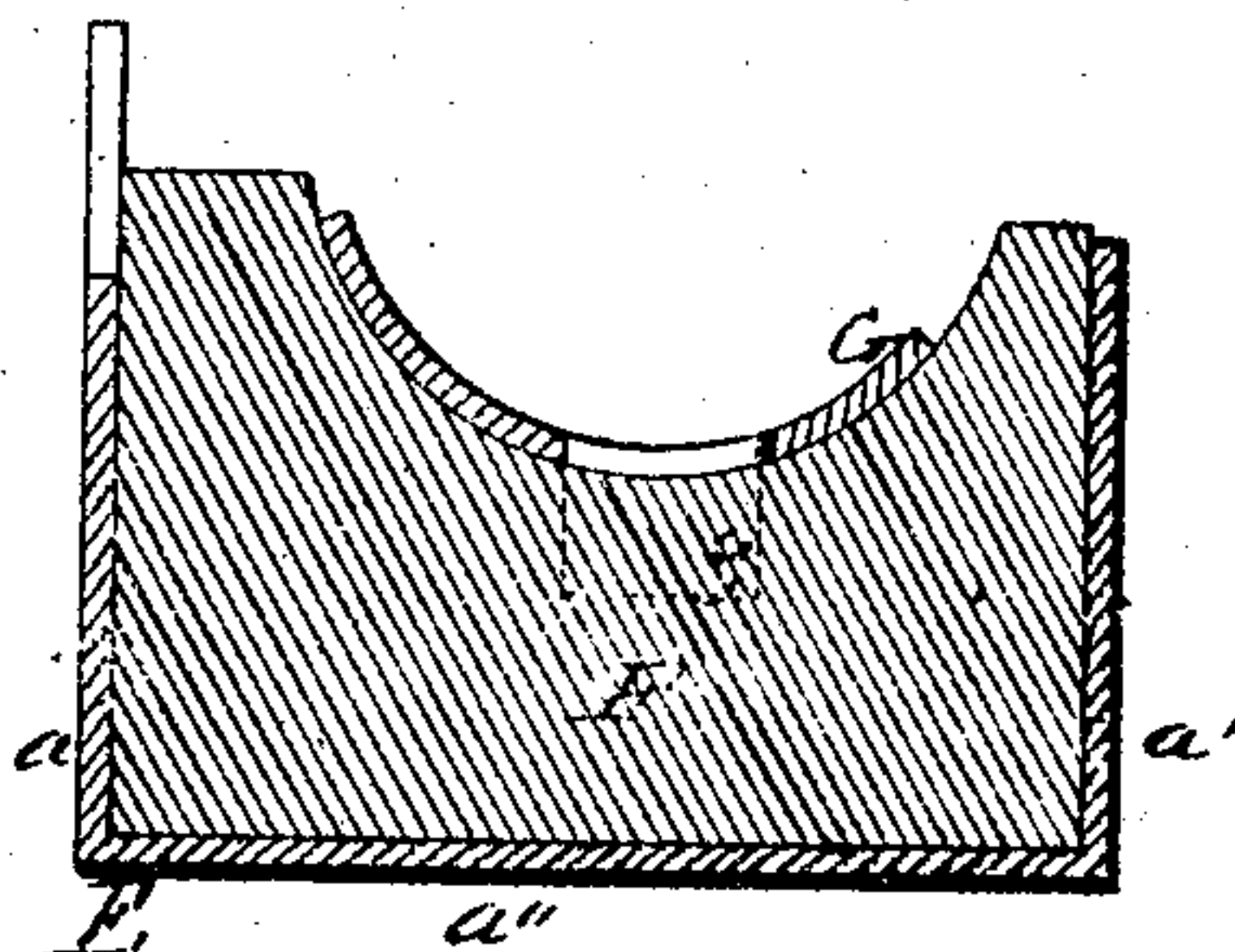


Fig. 2.

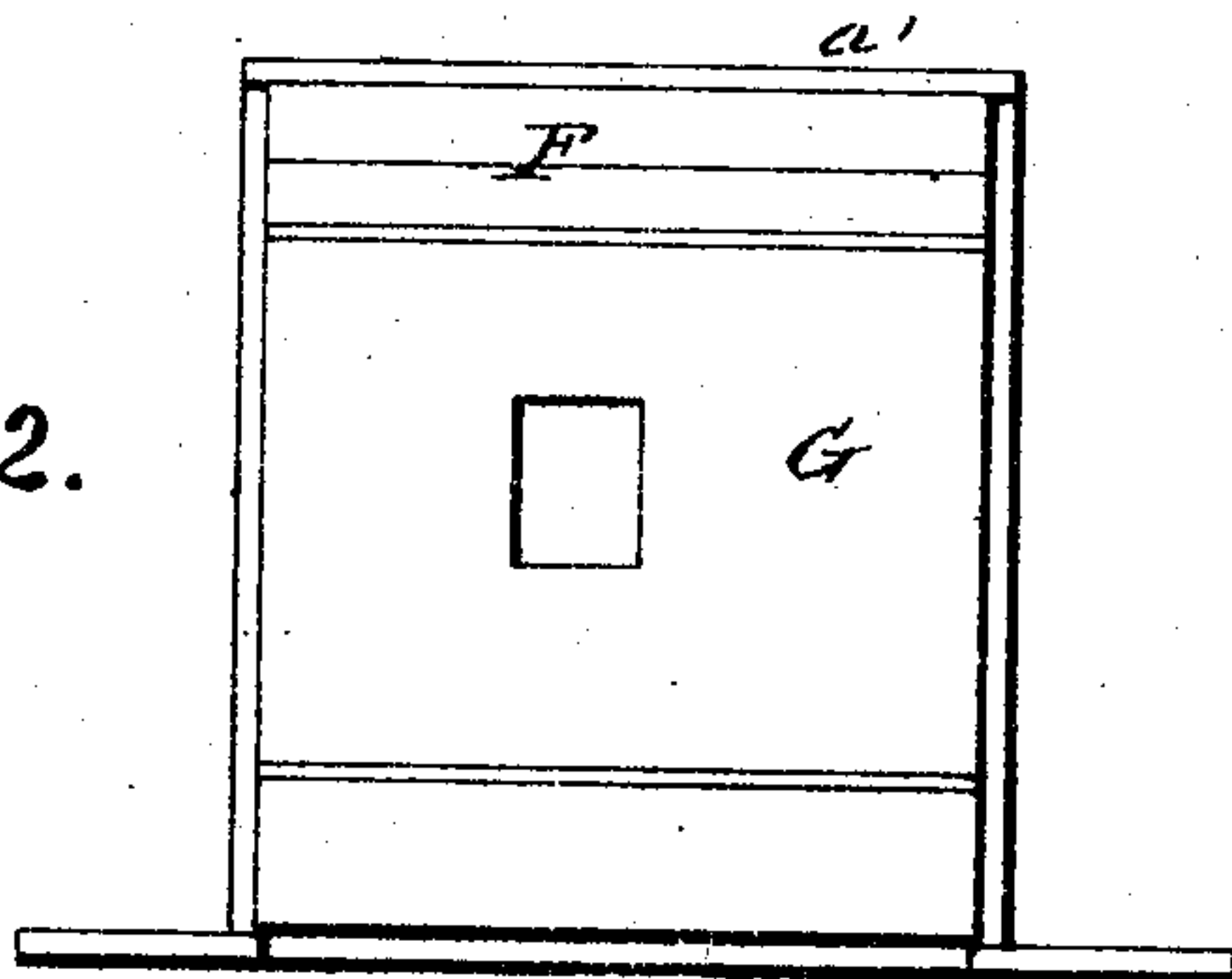
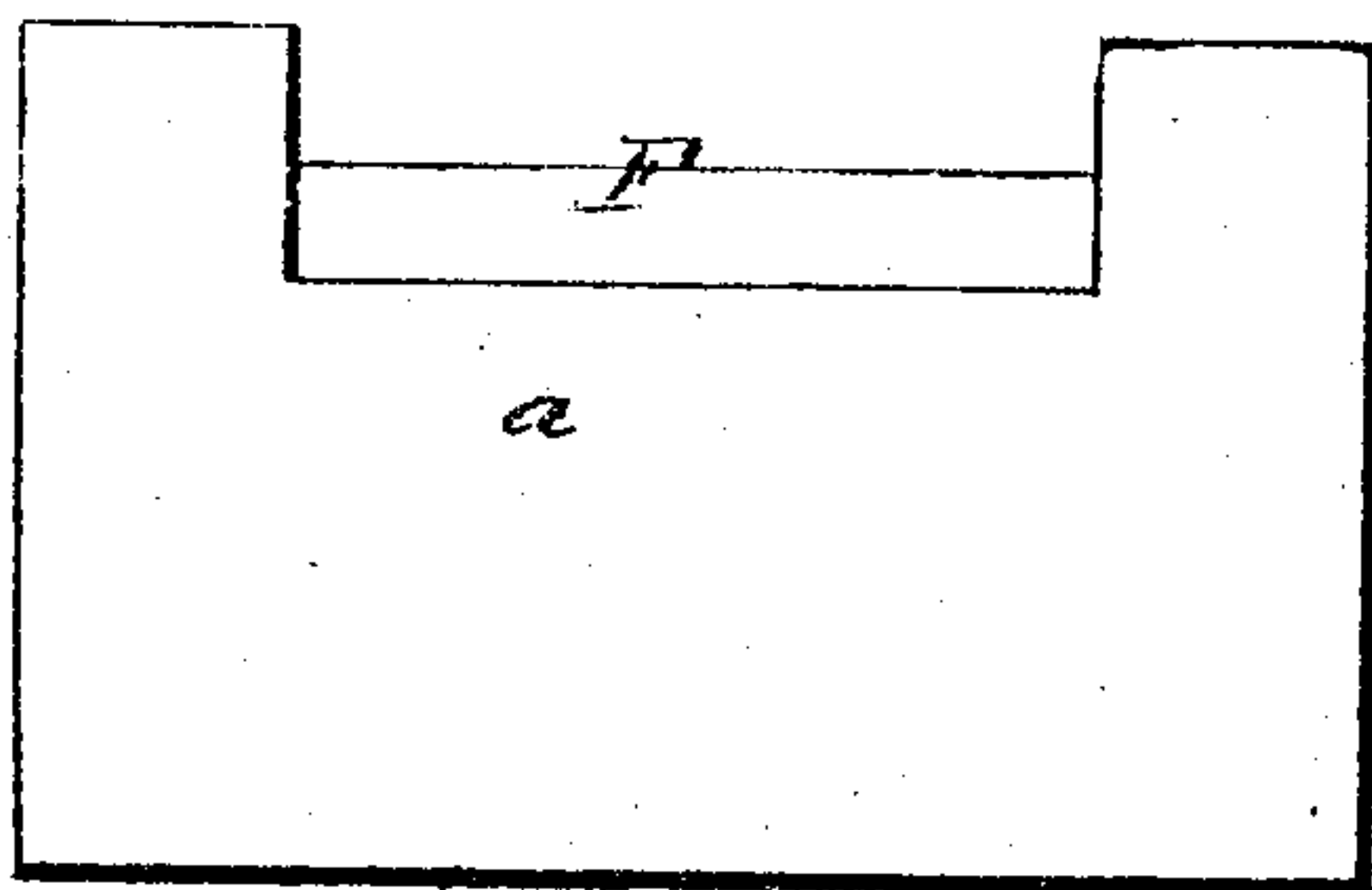


Fig. 3.



Witnesses.

Villette Anderson.
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UNITED STATES PATENT OFFICE.

JOHN HENRY JENNINGS, OF NEW BEDFORD, MASSACHUSETTS.

IMPROVEMENT IN THILL-COUPPLINGS.

Specification forming part of Letters Patent No. 116,963, dated July 11, 1871.

To all whom it may concern:

Be it known that I, JOHN HENRY JENNINGS, of New Bedford, in the county of Bristol and State of Massachusetts, have invented a new and valuable Improvement in Thill-Coupling; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section of my invention. Fig. 2 is a front view. Fig. 3 is a top view of the same.

This invention has relation to thill-couplings, and is designed as an improvement on the subject of my patent, dated September 27, 1870, being simpler and more economical.

In the accompanying drawing illustrating this invention, E designates a movable piece placed between the transverse sleeve formed on the end of the shaft-iron and the rear wall of the recess in the post behind the same. This movable piece consists of two horizontal plates, *a a'*, united by a cross-plate, *a''*, and inclosing between them

the rubber cushion E, which is concave in front, and holds a concave plate, G. This plate is secured to the rubber by having two lips, *g*, turned out from a central slot, which lips or projections are embedded into the cushion. The edges of the concave recess in the front of the cushion project beyond the concave plate and receive the pressure of the shaft-iron. The rubber may also be squeezed through the opening in the center of the concave plate. The action of the rubber cushion is constantly to press the plate L forward against the sleeve on the end of the shaft-iron.

I claim as my invention—

The separate metallic concave plate G, provided with the vent-lug *g*, arranged as specified, in combination with the movable piece E and rubber cushion F, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN HENRY JENNINGS.

Witnesses:

THOMAS TAYLOR,
OTIS R. COLLINS.