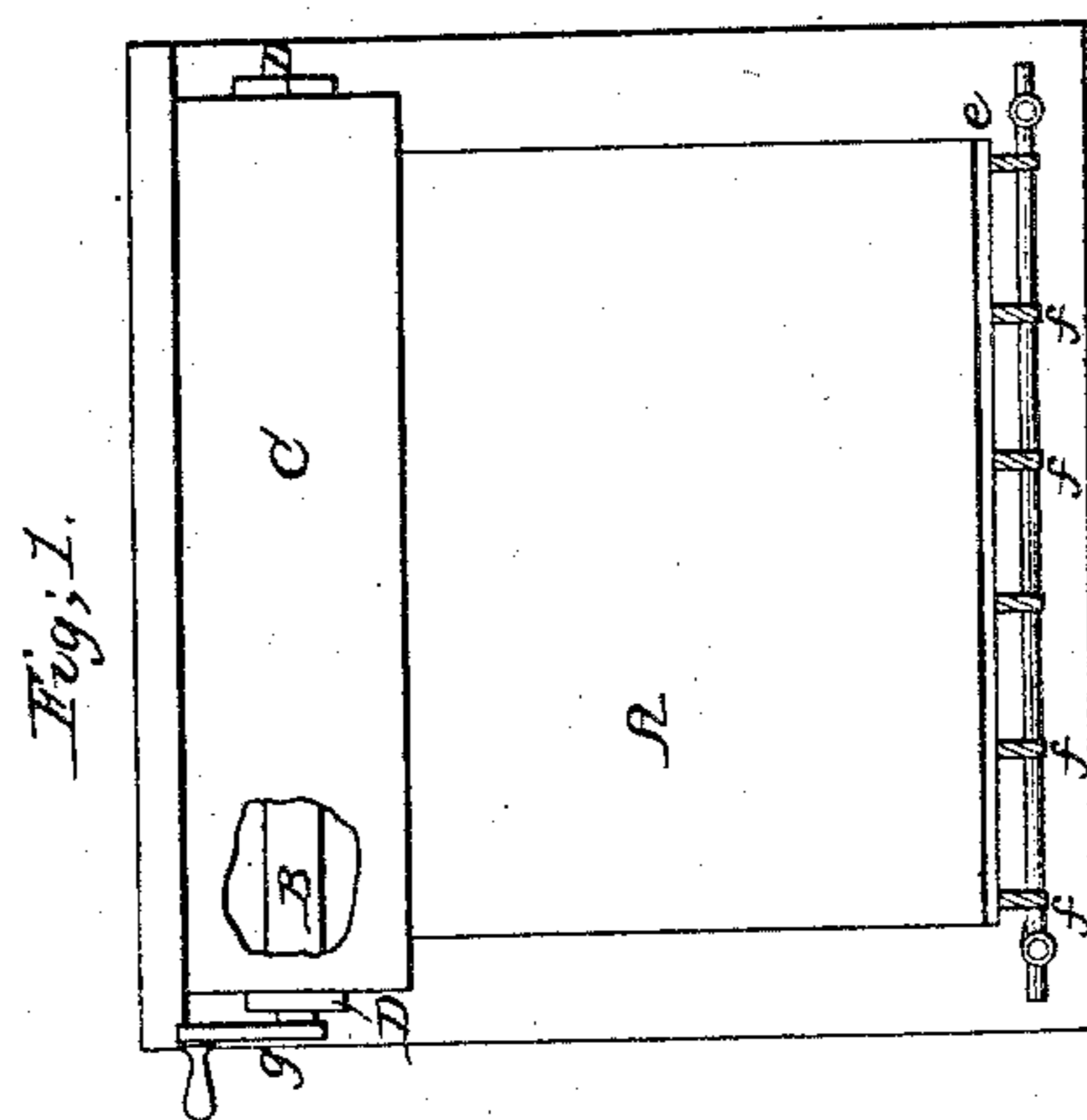
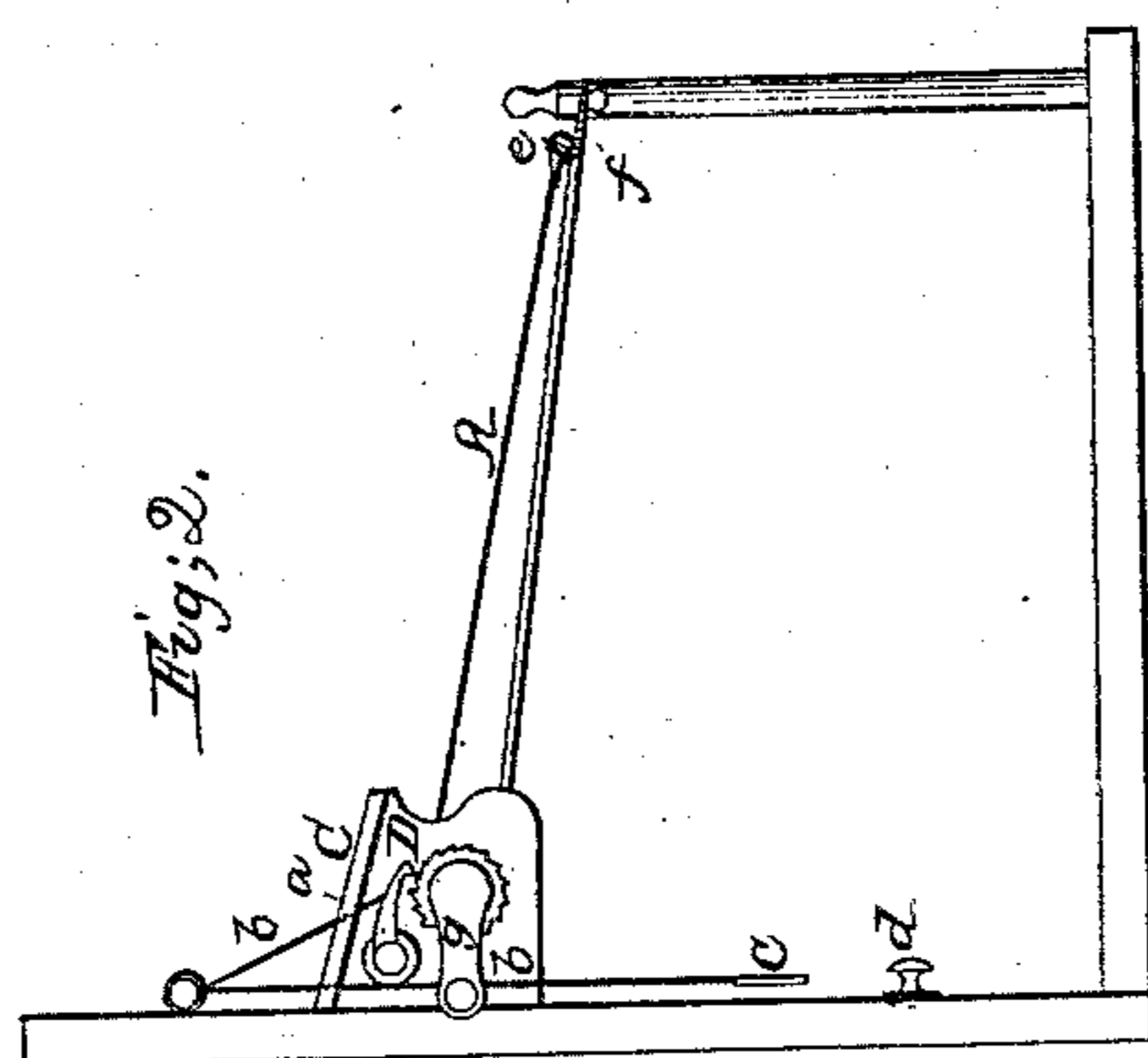
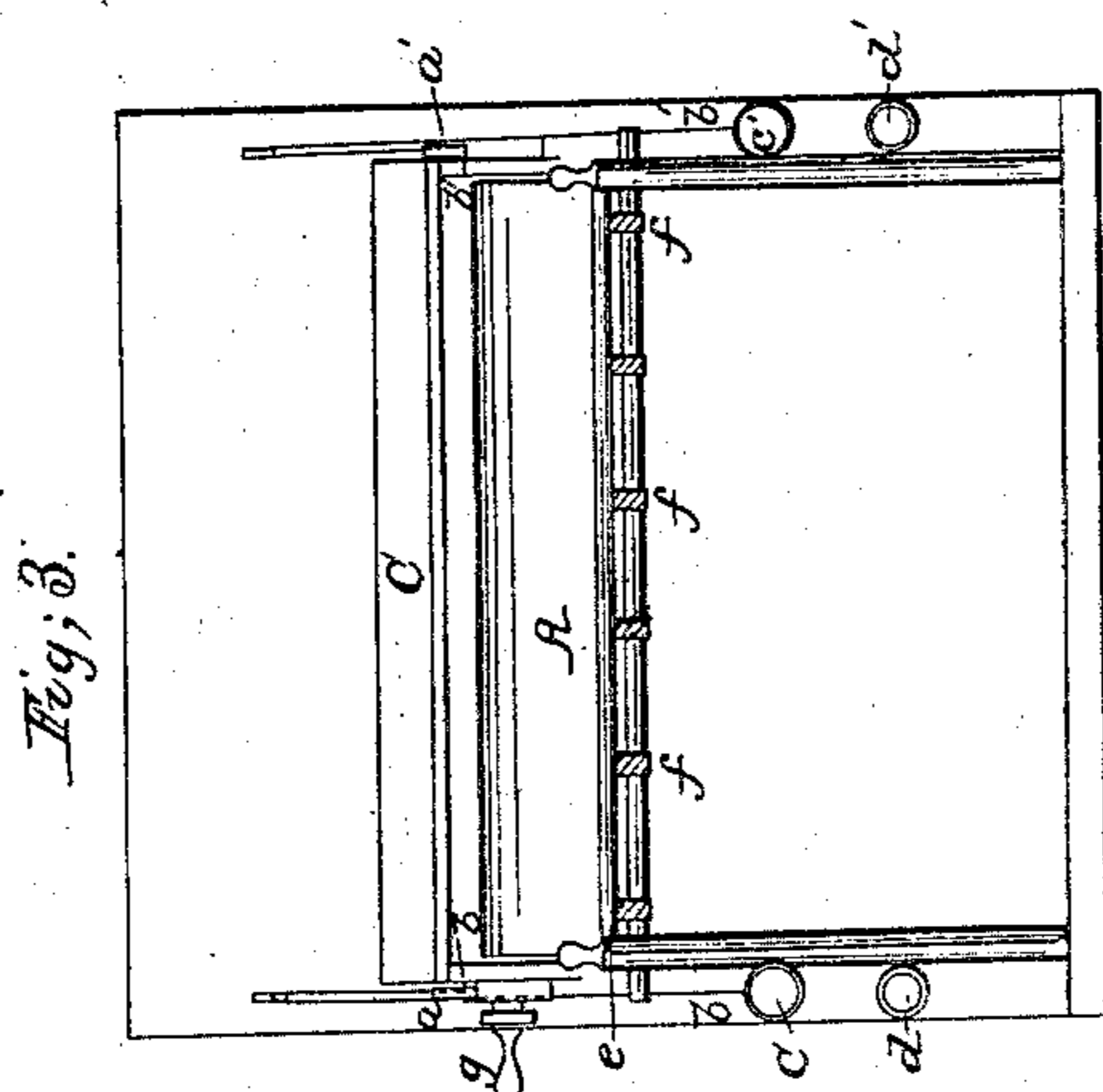


G. H. Bancroft,

Arning,

N^o 64,399.

Patented May 7, 1867.



Witnesses;
Frank Garde
Morgan H. Jelliff

Inventor;
George H. Bancroft
per Francis D. Pastoring Atty

United States Patent Office.

GEORGE H. BANCROFT, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 64,399, dated May 7, 1867.

IMPROVEMENT IN AWNINGS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE H. BANCROFT, of the city and county of Philadelphia, and State of Pennsylvania, have invented new and improved mechanism to be applied to Awnings; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists in fixing a ratchet-wheel to each end of the roller around which an awning is rolled; in using detents to prevent the ratchets from recoiling, as usual, the said detents being provided with lifting cords for clearing them from the ratchets. Instead of using a cord affixed to the loose end of the awning, to prevent its splitting at the seams and ravelling, I employ a metallic rod, round which the end of the awning is bound. I also make use of metallic hooks for securing the awning to the cross-rail of the awning-posts, attaching them either to the metallic rod or to the awning. On reference to the accompanying drawing, forming a part of this specification—

Figure 1 is a plan view.

Figure 2 is a side elevation; and

Figure 3 is a front elevation.

Similar letters refer to similar parts in the several views.

A is an awning of the usual pattern, winding round the roller B (shown in fig. 1, the roof of the ledge being partly broken) under the ledge C. A ratchet-wheel, D, is fixed at each end of the roller outside of the brackets of the ledge. *a a'* are detents, their ends taking into the teeth of the ratchet-wheels to prevent them from recoiling; they vibrate on pins or studs fixed to the brackets. *b b'* are lifting cords, one end being attached to the detents. The cords pass through rings or staples in the front of the house, above the ledge, and extend down to a convenient point for reaching from the sidewalk. When the detents are to be cleared from the ratchets it is simply necessary to pull down on the cords, and they rise clear of the teeth of the ratchet, and are kept free by placing the rings *c c'* on the ends of the cords over the knobs *d d'*. To prevent the loose end of the awning from ravelling, the seams from opening, and also to provide a strong base on which to fasten the ropes which attach the awning to the cross-bar of the awning-posts, a cord is sewed on the end, or in some cases the end of the awning is wrapped around it. This cord or filler does not answer the end for which it is intended. It has not sufficient rigidity to resist the pressure of the ropes that connect the awning with the cross-bar of the awning-posts, and the edge of an awning in a short time becomes waved and its surface corrugated. To obviate these objections, I employ a metallic rod, *e*, which is fixed to the end of the awning in a convenient manner. Being of metal and rigid, the strain of the tie-ropes comes evenly on the awning, and not in lines, as is the case of the cord. I also use metallic hooks *f f*, &c., in place of tie-ropes, as affording greater facilities for handling an awning and increasing its durability. The metal of the cross-bar rots the material of tie-ropes in a short time. When an awning is to be rolled in the detents must be first lifted. It is then loosened by rotating the roller B in a contrary direction by the lever *g*.

What I claim as my invention, and desire to secure by Letters Patent, is—

The ratchet-wheel D, detents *a a'*, cords *b b'*, metallic rod *e*, and the metallic hooks *f f f*, etc., when combined and arranged substantially as and for the purpose herein specified and described.

In testimony whereof I hereunto sign my name to this specification in presence of two subscribing witnesses.

Witnesses:

W. W. DOUGHERTY,

FRANCIS D. PASTORIUS.

GEORGE H. BANCROFT.