

W. W. CAREY.
Hangers for Shaftings.

No. 137,593.

Patented April 8, 1873.

Fig. 1.

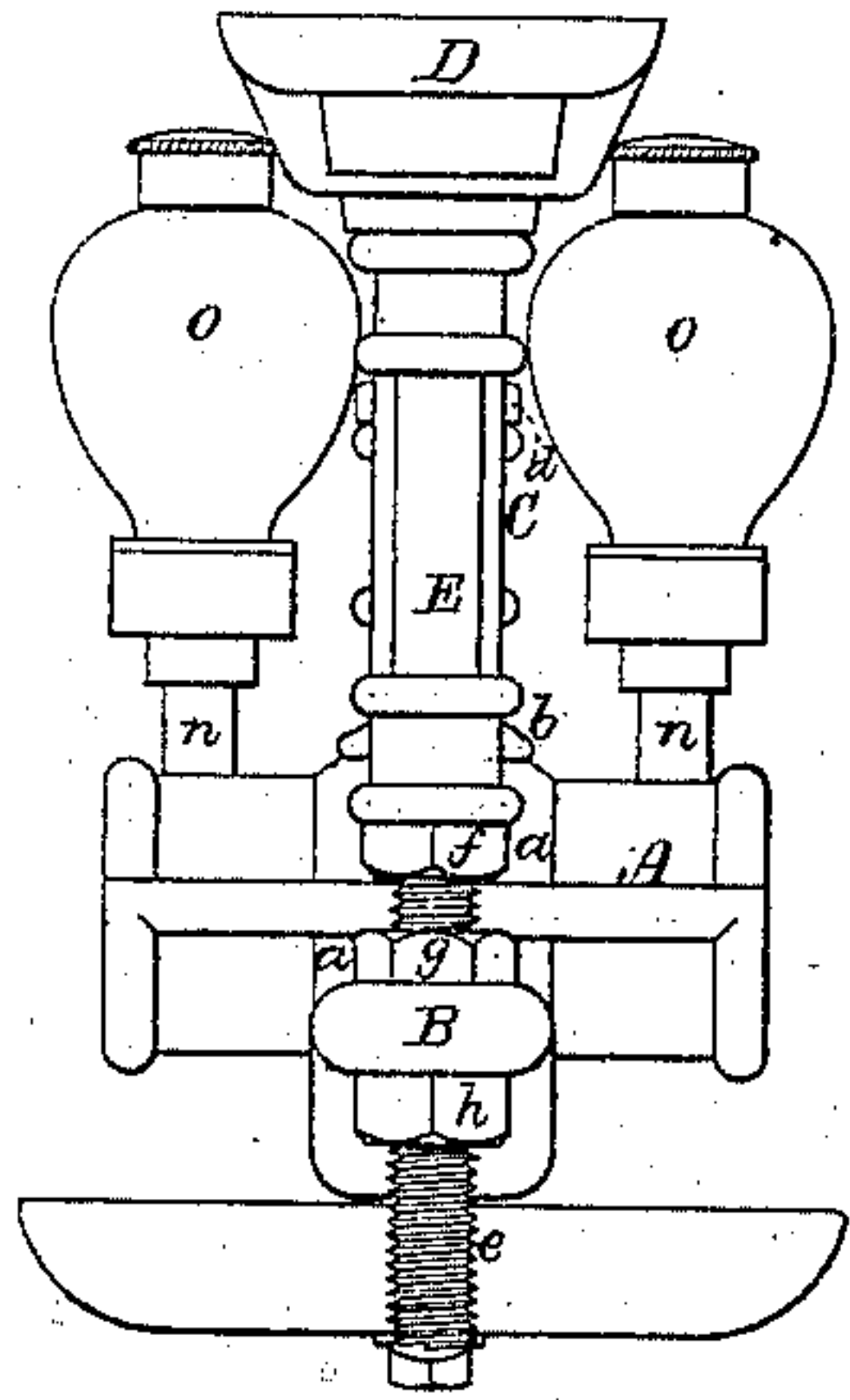


Fig. 2.

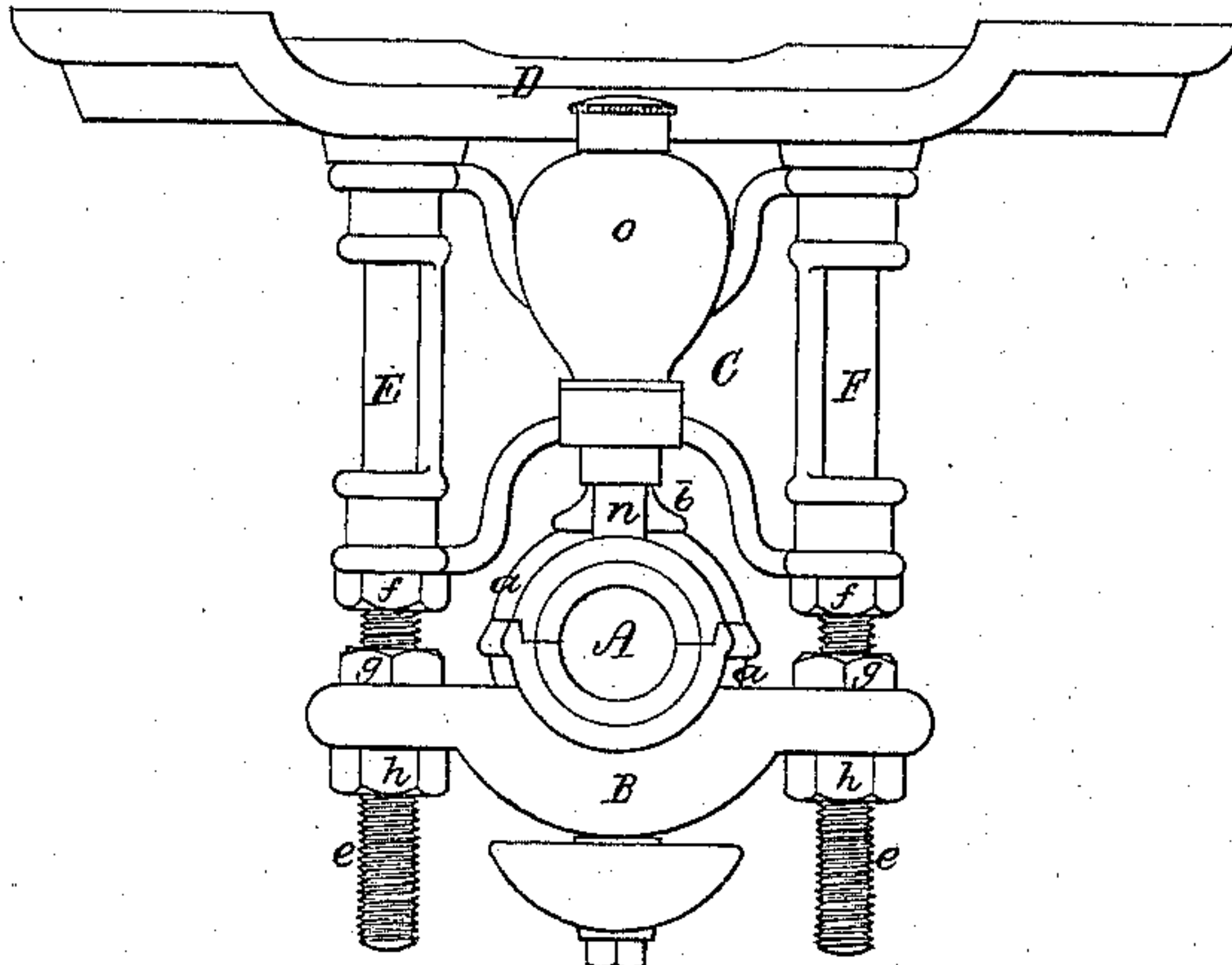


Fig. 4.

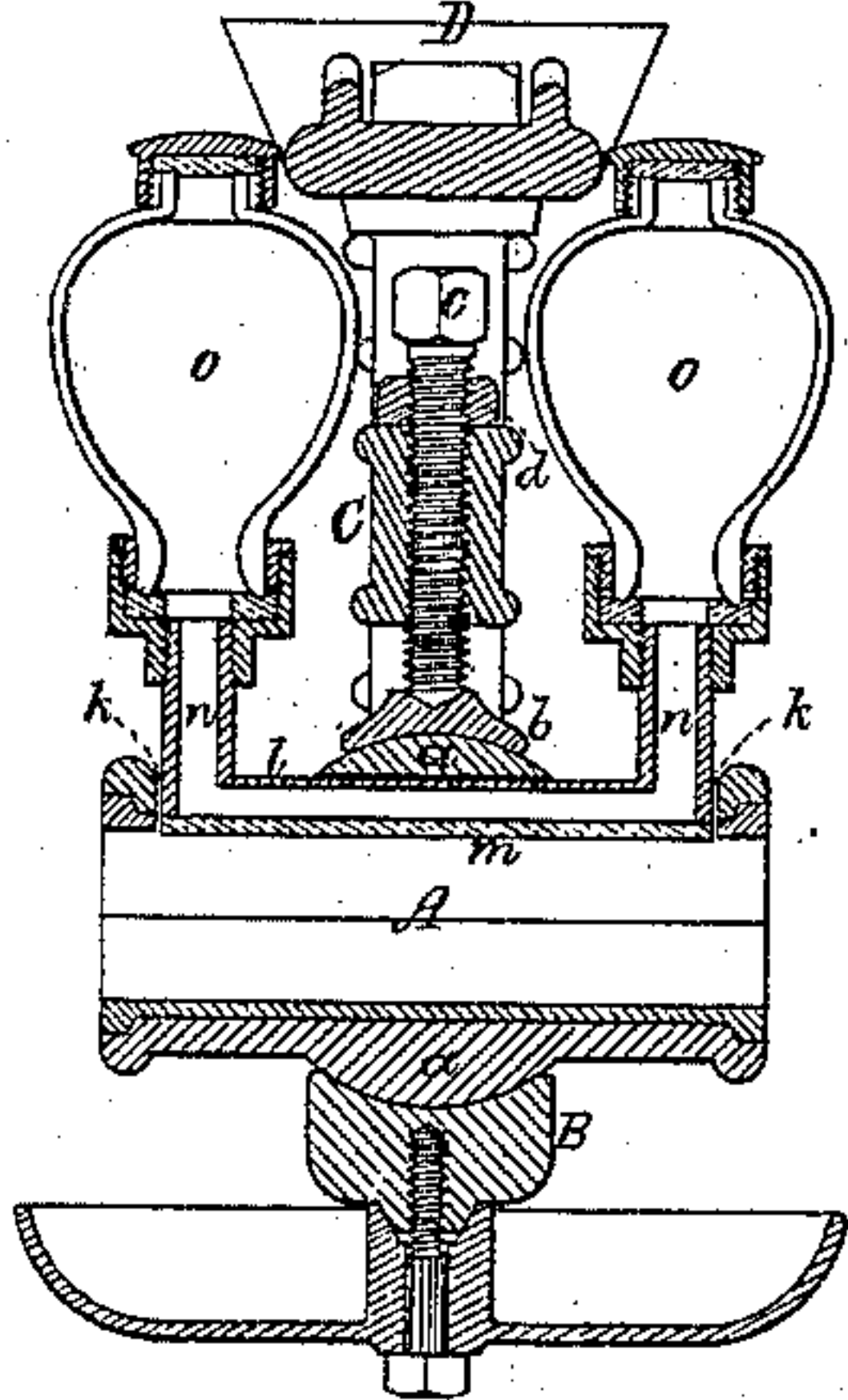


Fig. 3.

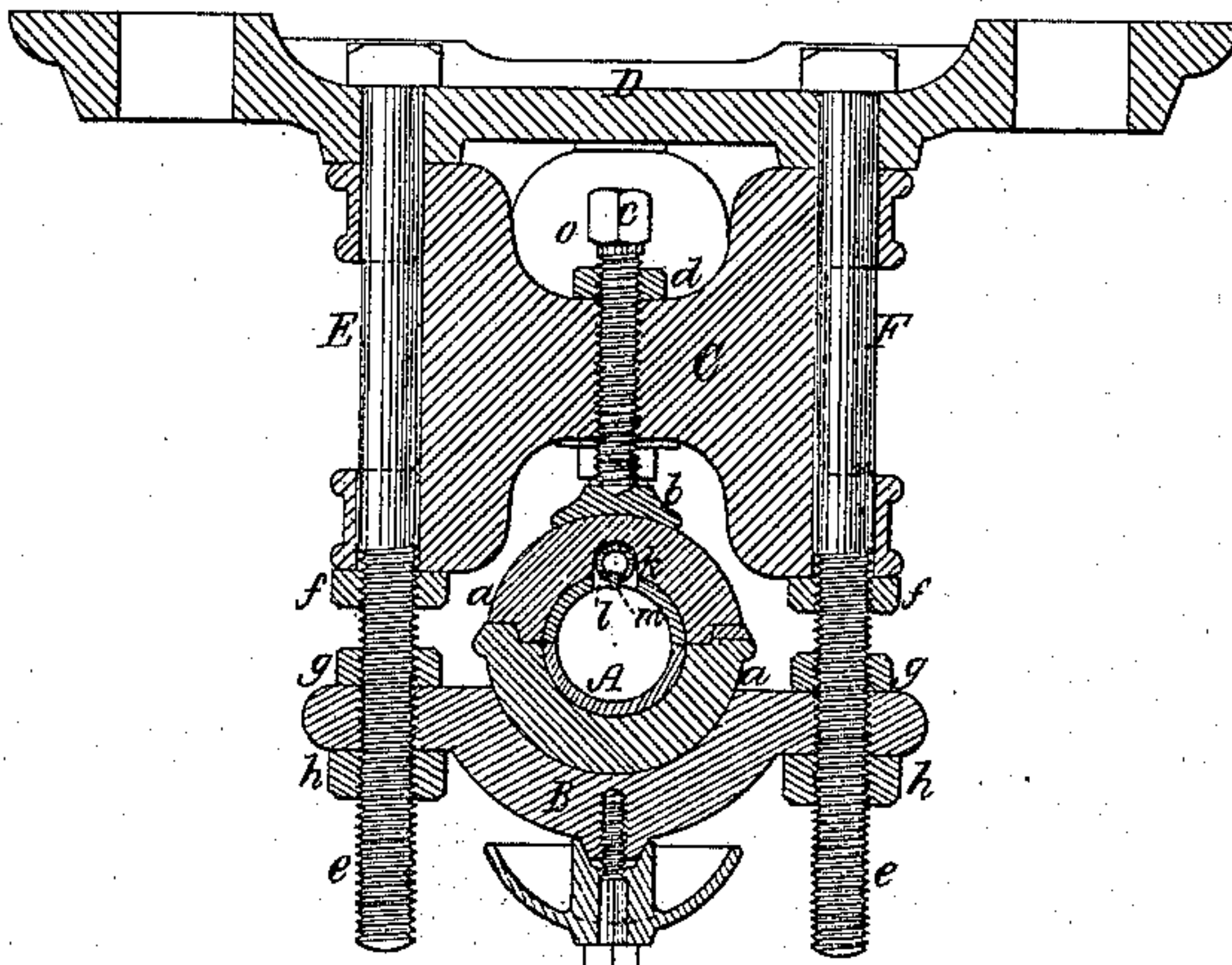
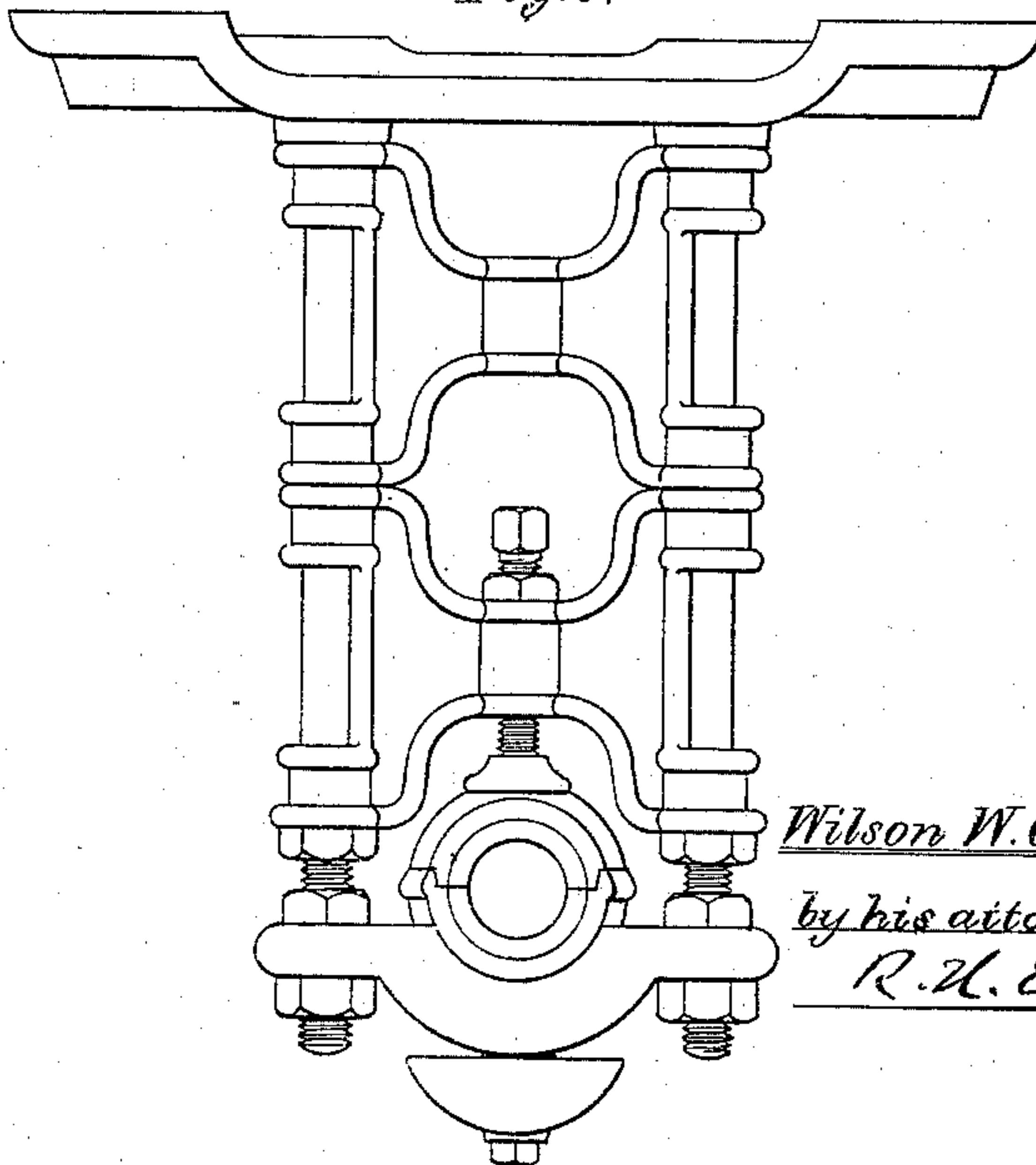


Fig. 5.



Witnesses.

S. W. Pipes.
L. H. Köller.

Wilson W. Carey.

by his attorney.

R. H. Eddy.

UNITED STATES PATENT OFFICE.

WILSON W. CAREY, OF LOWELL, MASSACHUSETTS, ASSIGNOR TO HIMSELF
AND GEORGE W. HARRIS, OF SAME PLACE.

IMPROVEMENT IN HANGERS FOR SHAFTING.

Specification forming part of Letters Patent No. 137,593, dated April 8, 1873; application filed
March 15, 1873.

To all whom it may concern:

Be it known that I, WILSON W. CAREY, of Lowell, of the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Hangers or Shaft-Box Supporters; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a front elevation, Fig. 2 a side view, Fig. 3 a longitudinal section, and Fig. 4 a transverse section, of one of my improved hangers with a single cross-head. Fig. 5 is an elevation of one with two cross-heads.

My invention has reference to the box, its oiling devices, and the hanger or support of the box.

In the drawing, A denotes the journal-box, the middle part *a* of which is globular and rests on a correspondingly-concave saddle, B. On the top of the part *a* is a concave washer, *b*, which is held down upon the part *a* by a screw, *c*, that screws down through the cross-head C and is provided with a check-nut, *d*, all as represented. The saddle B and the cross-head C are supported in their relative positions and in their connection with a cap, D, by means of two wrought-iron screw-bolts, E F, extending through and downward from the said cap, in manner as shown. The two bolts go through the cross-head and the saddle, and are furnished with male screws *e e* to receive nuts *f f*, *g g*, and *h h*, arranged upon the screws, and with respect to the saddle and cross-head, in manner as represented. The cap D, the cross-head C, and the saddle B are to be of cast-iron. The cap is to be secured to the ceiling or flooring by means of screws going through the said cap. The box, formed and Babbitted in the usual manner, or as shown, has a long slot, *k*, made longitudinally in its upper part, to receive the educt *l* of an oiler. This

educt is a tube closed at its two ends and slotted lengthwise on its under side to receive a strip, *m*, of leather, the slot being dovetailed in transverse section. Leading upward from the educt are two tubes or tubular branches, *n n*, each of which is surmounted by and leads out of an oil-receiver, *o*. There may be but one of such oil-receivers and branches to the educt; but I prefer to use two, on account of one serving to balance the other end to keep the leather of the educt duly pressed throughout its length down upon the journal when in the box.

The oil, passing into the educt, will flow therefrom through the strip of leather and upon the journal while it may be in revolution.

When a longer hanger may be required, two or more of the cross-heads may be used with bolts of the necessary length, such a hanger being represented in Fig. 5.

The mode of constructing the hanger renders it very strong and durable, the cross-head, with its screw, serving to maintain the box upon the saddle, and to allow of it working or accommodating itself to the motions of the shaft.

I claim—

1. The hanger, as composed of the cast-metal cap D, cross-head C, and saddle B, and the two wrought-iron screw-bolts E F, with their nuts *f f*, *g g*, and *h h*, all constructed and arranged substantially as set forth.

2. The box slotted at top, as described, and the tube or educt *l*, arranged in the slots *k* and connected with one or two oil-reservoirs, *o*, all substantially as explained.

WILSON W. CAREY.

Witnesses:

R. H. EDDY,
J. R. SNOW.