

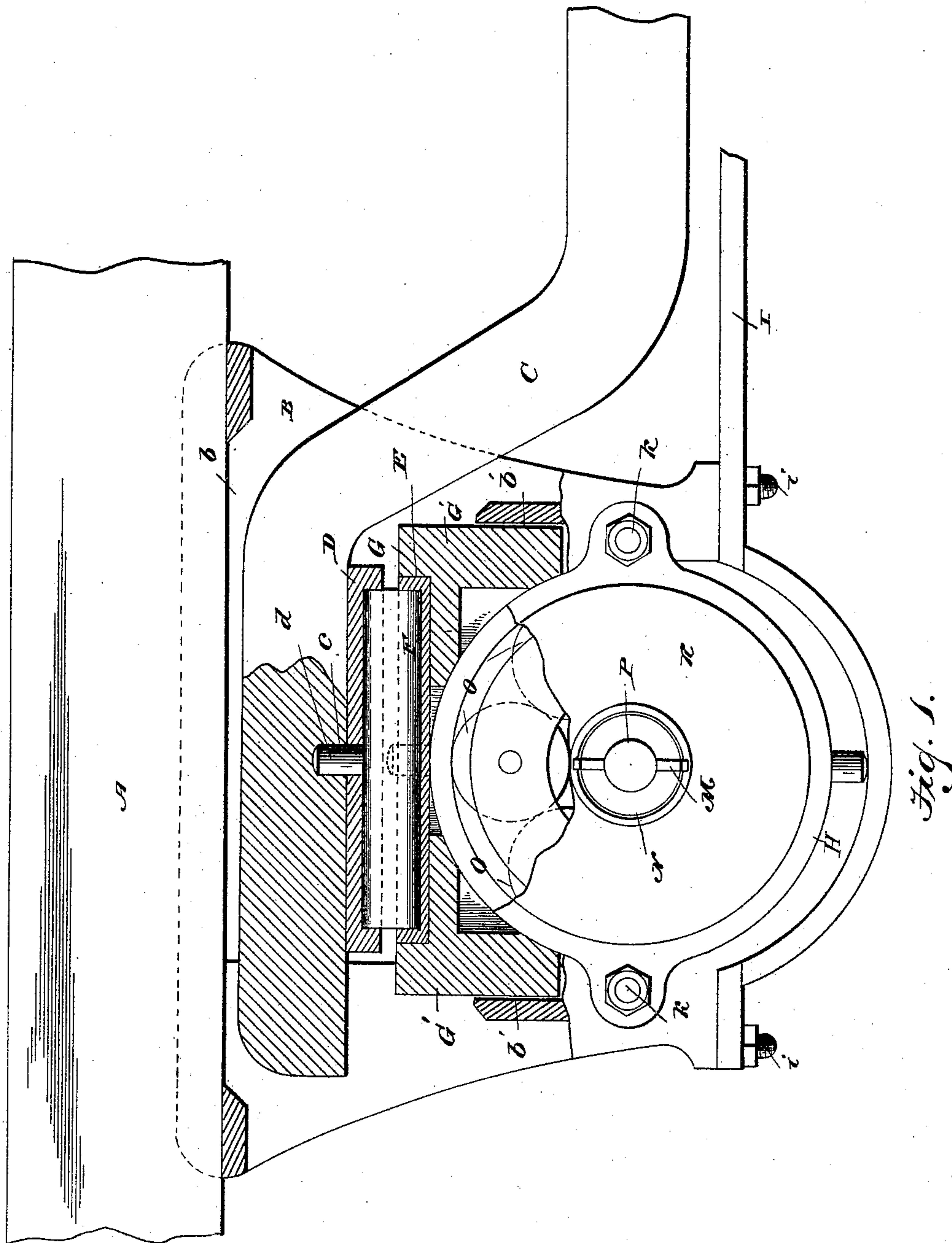
(No Model.)

2 Sheets—Sheet 1.

W. S. SHARPNECK.  
JOURNAL BOX.

No. 444,509.

Patented Jan. 13, 1891.



Witnesses:

*Dr. H. B. L. L. L.*  
Francis A. White

Inventor  
William S. Sharpneck  
By *J. W. Robertson*  
Attorney.

(No Model.)

W. S. SHARPNECK.  
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2 Sheets—Sheet 2.

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Fig. 3.

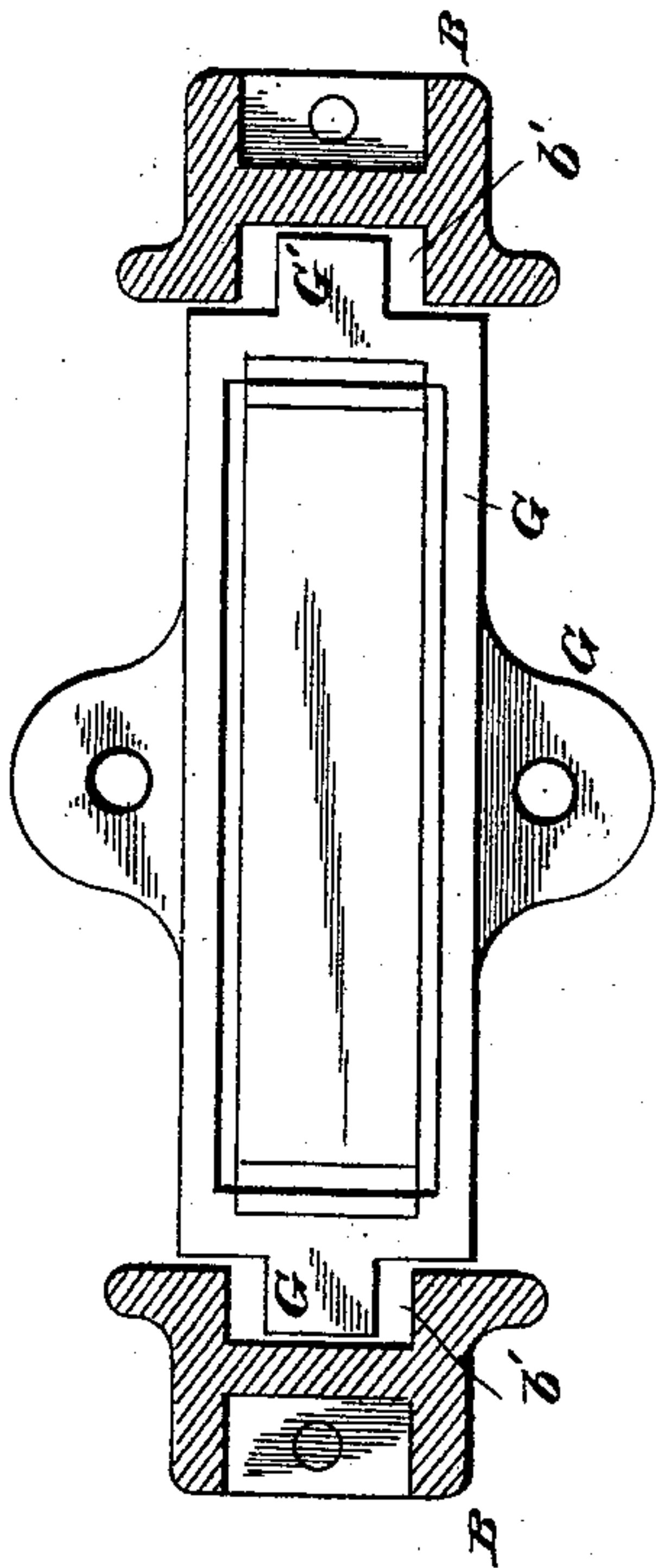


Fig. 4.

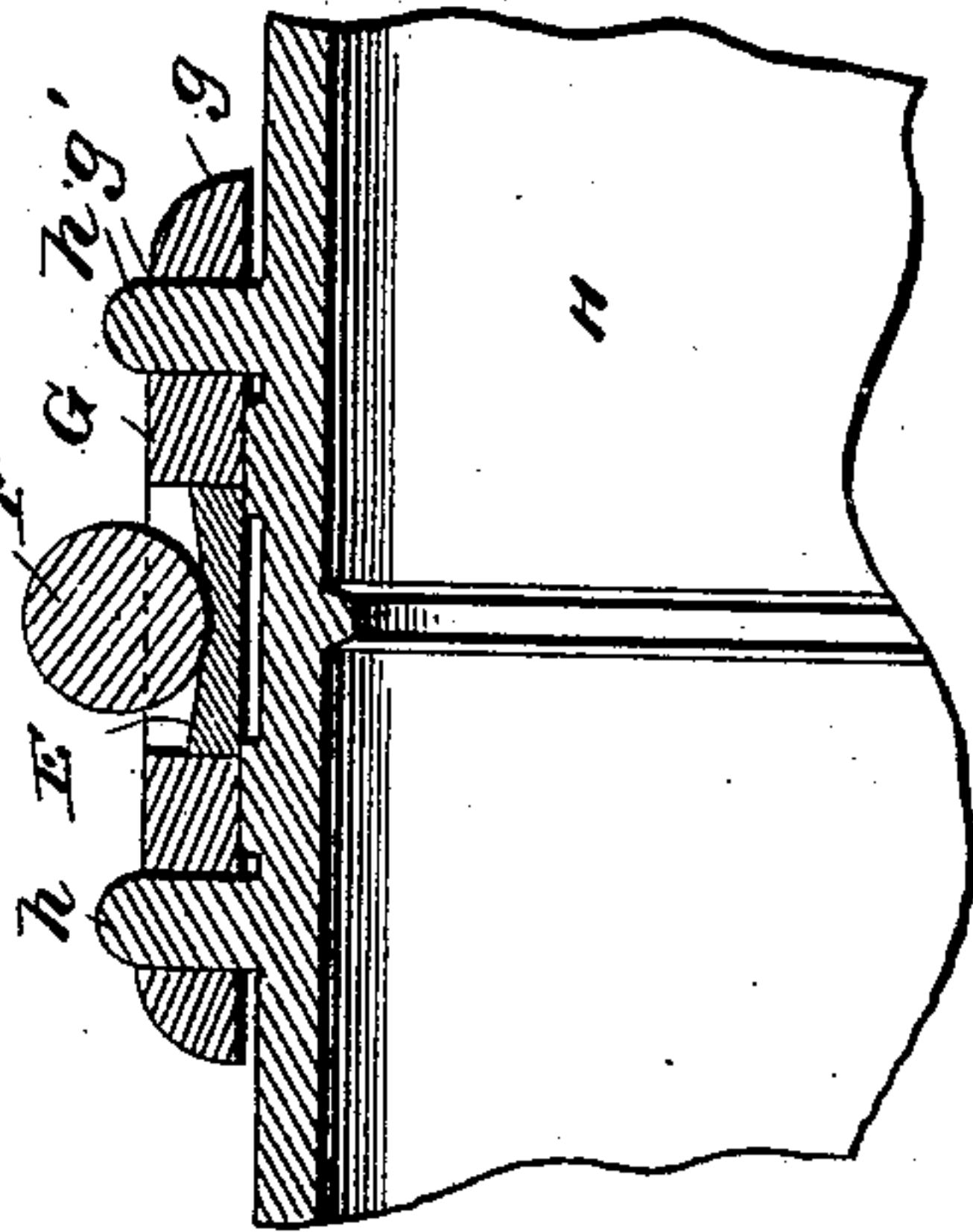


Fig. 5.

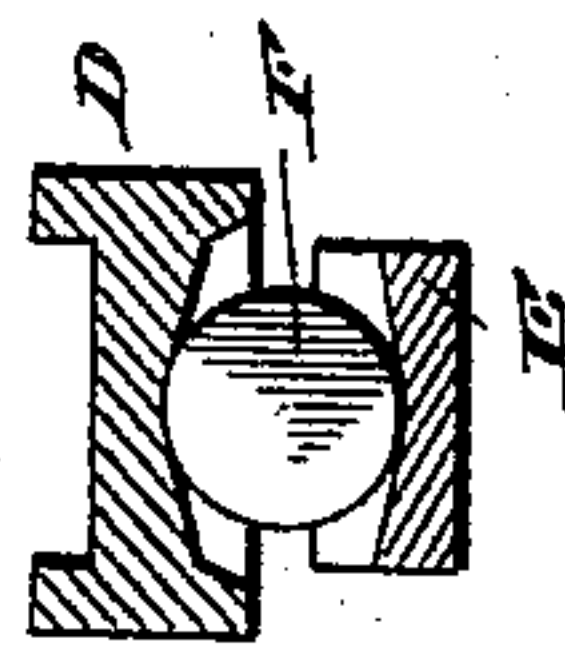
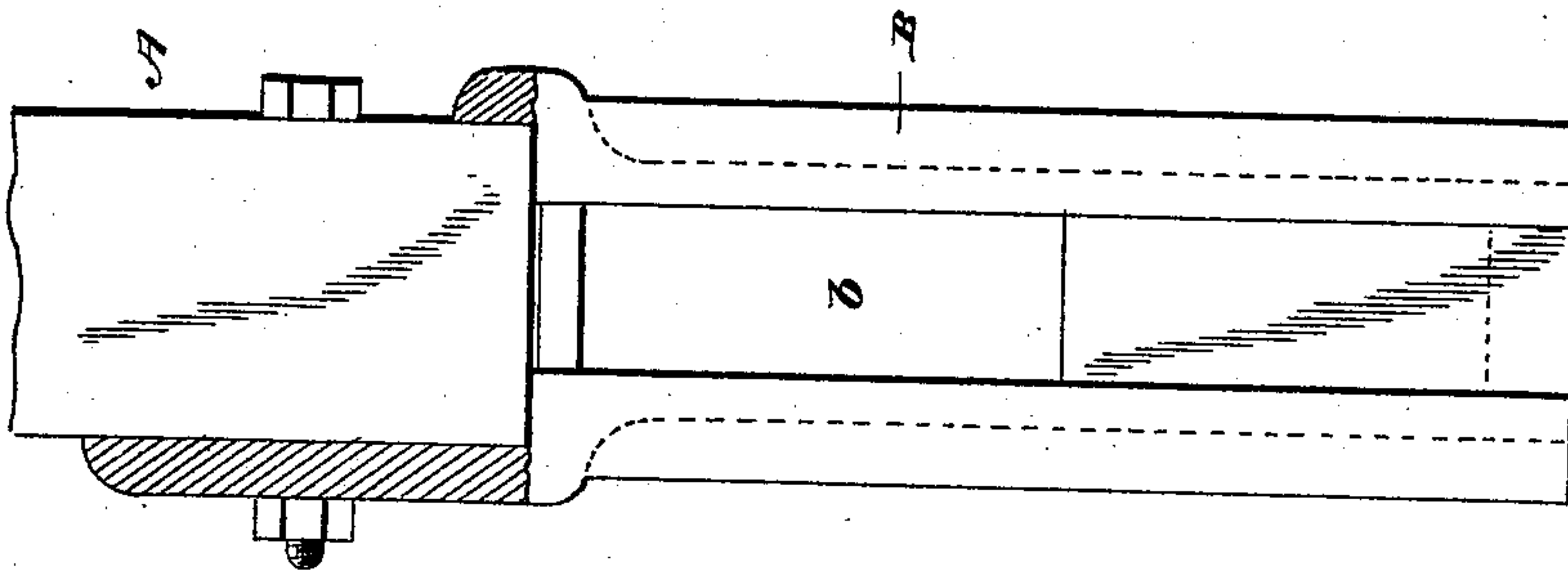


Fig. 2.



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By, *J. J. W. Robertson*  
Attorney.



# UNITED STATES PATENT OFFICE.

WILLIAM S. SHARPNECK, OF CHICAGO, ILLINOIS, ASSIGNOR, BY DIRECT  
AND MESNE ASSIGNMENTS, TO THE SHARPNECK ANTI-FRICTION  
JOURNAL BOX COMPANY, OF SAME PLACE.

## JOURNAL-BOX.

SPECIFICATION forming part of Letters Patent No. 444,509, dated January 13, 1891.

Application filed May 6, 1890. Serial No. 350,777. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM S. SHARPNECK, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Journal-Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

This improvement relates more particularly to that class of journal-boxes shown in my patent, No. 392,465, dated November 6, 1888; and the invention consists in the peculiar construction, arrangement, and combination of parts hereinafter more particularly described, and then definitely pointed out in the claims.

In the accompanying drawings, Figure 1 is an elevation, partly in section, of a journal-box constructed according to my improvement. Fig. 2 is a side view of a pedestal and part of truck-frame. Fig. 3 is a horizontal section of the pedestal, showing also some of the adjacent parts. Fig. 4 is a detail showing part of the casing and other adjacent parts. Fig. 5 is a detail of a roller and plates detached.

Referring now to the details of the drawings by letter, A represents one of the frame-timbers of the truck; B, the pedestal, having an opening *b*, in which sets the truss-bar C, which is of such relative size as to prevent the pedestal moving sidewise on said truss-bar. On the under side of the truss-bar is a hole *c*, in which fits a lug *d* on a plate D, having an angular recess underneath, between which and another angularly-recessed plate E is a roller F. The plate E sets in a saddle G, having two longitudinal extensions *G'*, which pass into recesses *b* in the inside of the legs of the pedestal, which recesses are in practice sufficiently wide to allow of about an

inch of lateral motion of the saddle in the pedestal. This saddle is broadened out at the sides, as shown at *g*, and has holes *g'* to receive the lugs or pins *h'*, cast on or attached to a cylinder or casing H, which receives the rollers O, surrounding the axle P and forming a bearing for the same. At the bottom of the pedestal is a connecting-bar I, fastened by bolts *i*, and secured to the cylinder or casing by bolts *k* is a cap K, in which is secured by a key M the end bearing N. By this construction I am enabled to have the truss-bar fitting an aperture in the pedestal and dispense with the outer casing I usually employ, yet admit of the end movement of the axle, and allow of the casing being reversed when partly worn, so as to bring the unworn part to the top to take the wear.

What I claim as new is—

1. The combination of a pedestal, a truss-bar fitting an aperture therein, a bearing-plate having an angular recess therein and connected to the truss-bar, a roller under said bearing-plate, a saddle under the roller having extensions running into recesses in the pedestal, and a casing or cylinder fitted to the saddle and receiving the axle and surrounding rollers, substantially as described.

2. The combination, in an axle-box, with the pedestal and its connections, of a casing H, constructed and arranged to be turned bottom side up to bring the unworn portion of the casing into use, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 5th day of May, 1890.

WILLIAM S. SHARPNECK.

Witnesses:

T. J. W. ROBERTSON,  
FRANCIS W. WHITE.