

(No Model.)

J. CHIVILL.  
SHAFT HANGER.

No. 327,524.

Patented Oct. 6, 1885.

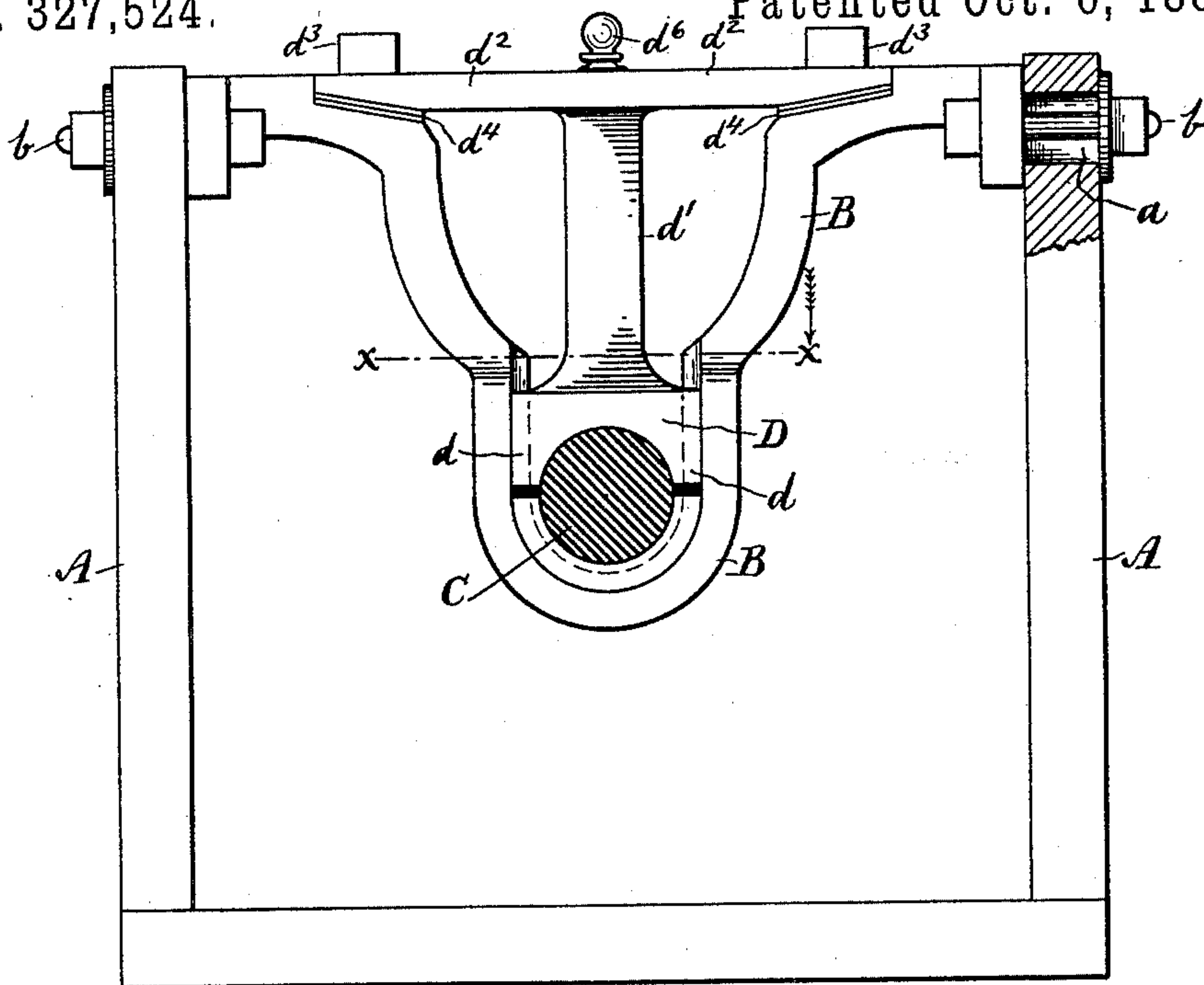


FIG. 1.

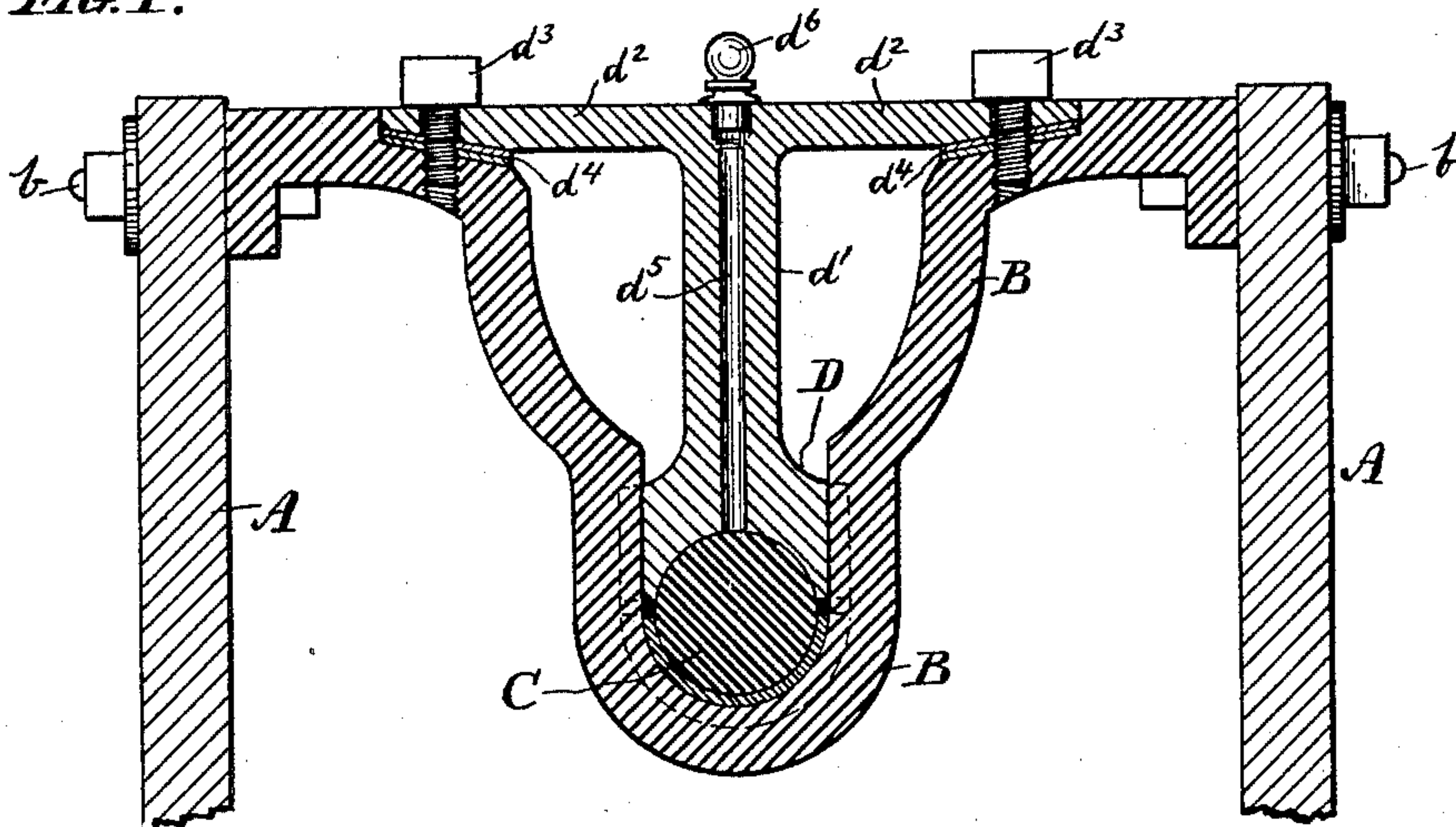


FIG. 2.

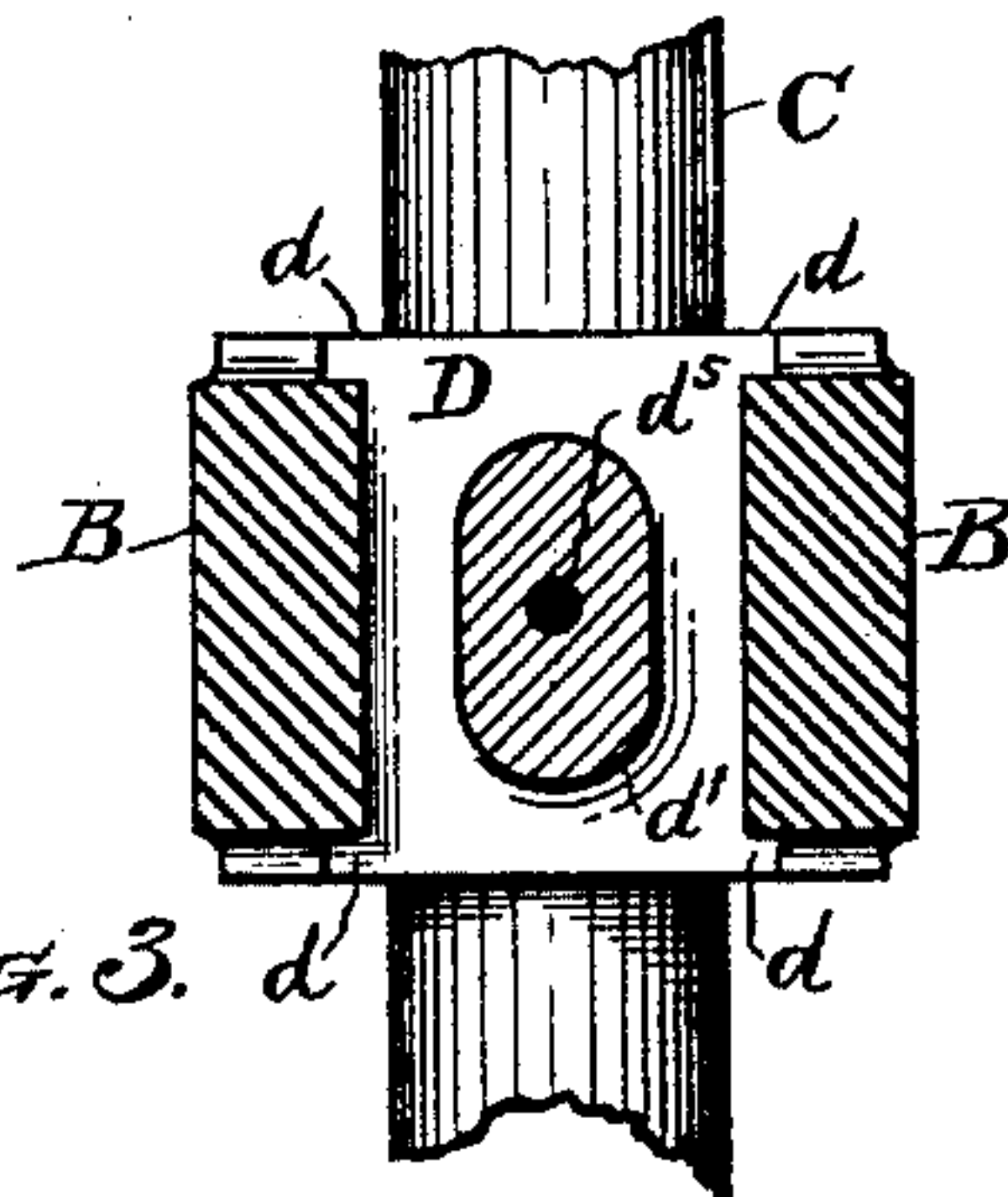


FIG. 3.

Witnesses:  
J. B. Halpenny.  
John S. Thompson

Inventor:  
John Chivill  
By Gridley & Fletcher  
Att'ys.

# UNITED STATES PATENT OFFICE.

JOHN CHIVILL, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE WEBSTER & COM-  
STOCK MANUFACTURING COMPANY, OF SAME PLACE.

## SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 327,524, dated October 6, 1885.

Application filed July 6, 1885. Serial No. 170,692. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN CHIVILL, of Chi-  
cago, in the county of Cook and State of Illi-  
nois, have invented certain new and useful  
5 Improvements in Shaft-Hangers, of which the  
following is a description, reference being  
had to the accompanying drawings, in which—

Figure 1 is a side elevation of said shaft.  
Fig. 2 is a central longitudinal sectional view  
10 thereof, and Fig. 3 is a horizontal sectional  
view in plan upon the line  $x x$ , Fig. 1.

Like letters of reference indicate like parts  
in the different figures.

The object of my invention is to provide an  
15 adjustable hanger for shafting which may be  
more especially adapted for use in conveyers,  
and which shall possess the advantages of a  
solid hanger, while at the same time the wear  
thereof may be taken up without the use of  
20 the usual divided box, the parts of which are  
connected by means of bolts and nuts at the  
sides of the shaft, which are liable to become  
detached and thereby cause injury or break-  
age.

25 In the drawings, A represents a conveyer-  
trough, which is preferably provided with ver-  
tical slots,  $a$ , at its top, one of which is shown  
in Fig. 1, to which are attached, by means of  
bolts  $b b$  my improved hanger B, the same be-  
30 ing made vertically adjustable by means of  
said bolts in the slots  $a$ . Said hanger consists  
of a yoke cast in a single piece, substantially  
in the form shown, and provided with a suit-  
able bearing for the reception of the shaft C.  
35 Over said shaft I place a cap, D, said cap be-  
ing provided with flanges  $d d d d$ , better  
shown in Fig. 3, adapted to fit in grooves or  
offsets in the hanger B, so as to retain said cap  
firmly in place when in position. The cap D  
40 is provided with an upwardly-projecting  
stem,  $d'$ , having laterally-extended portions  
or arms  $d^2 d^2$ , said cap, stem, and arms being

preferably cast in one piece, substantially as  
shown. The arms  $d^2 d^2$  are firmly attached by  
means of bolts or screws  $d^3 d^3$  to the yoke or 45  
hanger B, a suitable packing,  $d^4 d^4$ , consisting  
of strips of leather, paper, or other suitable  
material being inserted to enable the cap D to  
be adjusted to fit the shaft C. As soon as said  
shaft or the bearing in which the same is in- 50  
serted becomes worn a layer of the packing  
 $d^4$  may be removed and the screws  $d^3$  tightened,  
by which means said wear may be readily  
taken up at any time. An oil-hole,  $d^5$ , Fig. 2,  
extending downwardly through the stem  $d'$ , 55  
is likewise provided for lubricating said bear-  
ing, said oil-hole being preferably provided  
with a suitable packing and a stopper,  $d^6$ .

It will be observed that all the adjusting-  
screws are either upon the outside or top of 60  
the conveyer, there being nothing therein to  
become loose or detached, and thus cause in-  
jury thereto.

It is obvious that the shaft may be readily  
removed from its bearing without displacing 65  
the hanger, while the arms  $d^2 d^2$  serve as a  
brace to stiffen the latter.

Having thus described my invention, what I  
claim, and desire to secure by Letters Patent,  
is— 70

1. In a shaft-hanger, the combination of the  
yoke B, cast in one piece, and a cap provided  
with a hollow stem,  $d'$ , and arms  $d^2 d^2$ , sub-  
stantially as and for the purposes set forth.

2. The combination of the yoke B, cast in 75  
one piece, and adjustable cap D, said cap hav-  
ing a hollow stem,  $d'$ , arms  $d^2 d^2$ , adjustably  
secured to said yoke, and flanges  $d$ , substan-  
tially as and for the purposes set forth.

JOHN CHIVILL.

Witnesses:

D. H. FLETCHER,  
J. B. HALPENNY.