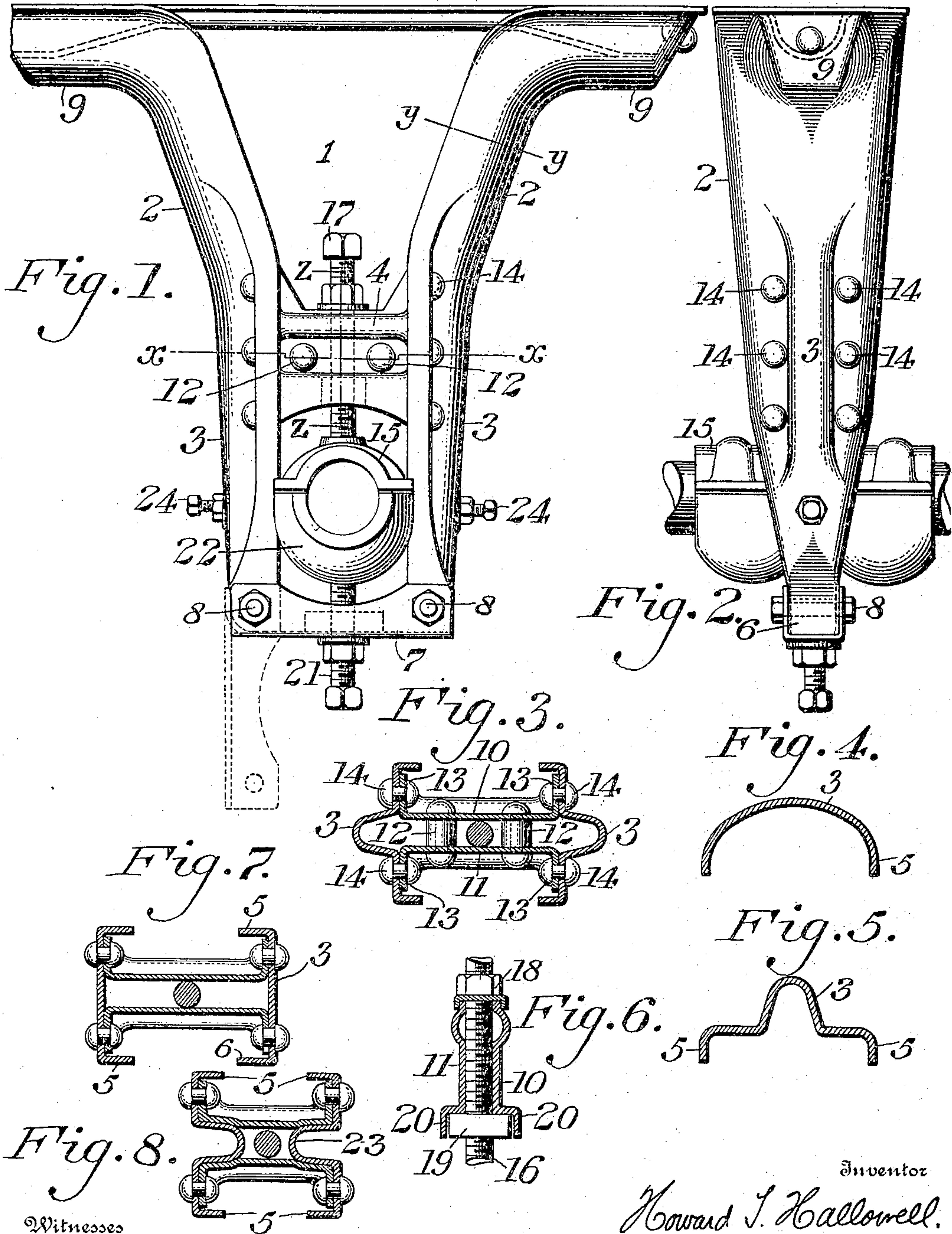


No. 767,224.

PATENTED AUG. 9, 1904.

H. T. HALLOWELL.  
SHEET METAL SHAFT HANGER.  
APPLICATION FILED JAN. 26, 1903.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## SHEET-METAL SHAFT-HANGER.

SPECIFICATION forming part of Letters Patent No. 767,224, dated August 9, 1904.

Application filed January 26, 1903. Serial No. 140,487. (No model.)

*To all whom it may concern:*

Be it known that I, HOWARD T. HALLOWELL, a citizen of the United States, residing at Hal-  
lowell, in the county of Montgomery, State of  
5 Pennsylvania, have invented a new and useful  
Improvement in Sheet-Metal Shaft-Hangers,  
of which the following is a specification.

My invention relates to a novel construc-  
tion of a shaft-hanger; and it consists in im-  
10 provements on prior patents granted to me  
and prior patents with which I am familiar  
in that I employ a construction of hanger-  
legs, intermediate brace, and yoke, which are  
assembled in such a manner that the whole  
15 forms a strong and durable construction, while  
the edges of the legs extend inwardly, form-  
ing a stiffening or strengthening means.

It further consists of novel details of con-  
struction, all as will be hereinafter set forth,  
20 and fully pointed out in the claims.

Figure 1 represents a side elevation of a  
hanger embodying my invention. Fig. 2 rep-  
resents an end elevation thereof. Fig. 3 rep-  
resents a sectional view on line *x x*, Fig. 1.  
25 Fig. 4 represents a sectional view on line *y y*,  
Fig. 1. Fig. 5 represents a sectional view of  
one of the legs, taken substantially on the  
line *x x*, Fig. 1, omitting the brace. Fig. 6  
represents a sectional view on line *z z*, Fig. 1.  
30 Figs. 7 and 8 represent sectional views show-  
ing a slightly-different form of the leg.

Similar numerals of reference indicate cor-  
responding parts in the figures.

Referring to the drawings, 1 designates a  
35 hanger, the same comprising the legs 2, each  
leg being constructed substantially the same  
and consisting of a hollow trough-shaped mem-  
ber having a strengthening-rib 3 extending  
throughout the length of the leg, the edges  
40 of said legs extending inwardly, forming the  
flanges 5, which serve to stiffen and strengthen  
the legs, as will be evident, said flanges extend-  
ing throughout the entire length of the leg.  
The lower portion of the hanger-legs are sub-  
45 stantially rectilinear, as indicated at 6, and  
are adapted to be embraced by the yoke 7,  
said yoke being adapted to be held in place

by the bolts or other fastening devices 8,  
whereby it will be seen that by the removal  
of one of these bolts the yoke can be swung 50  
downwardly into the position seen in dotted  
lines in Fig. 1, thereby acting like a hinge.  
The upper portion of the legs diverge or flare  
outwardly, while the upper extremity of each  
leg is provided with a foot 9, which feet are 55  
secured in position in any suitable manner.

The intermediate brace 4 consists of the  
plates 10 and 11, which are secured together  
by the rivets or other fastening devices 12,  
the edges of said plates having the flanges 13, 60  
which abut against the legs 2, at which point  
the legs are substantially rectilinear on either  
side of the strengthening-rib 3 in the present  
instance, and said brace is secured to the legs  
by the rivets or other fastening devices 14. 65

Passing through the brace 4 and supported  
thereby is the adjusting device for the upper  
part 15 of the journal-box, said adjusting de-  
vice consisting of a screw or threaded pin 16,  
having the head 17 on the upper end thereof 70  
for engagement with suitable operating  
means, while a nut 18 rests upon the brace 4,  
an additional nut 19 being provided for the  
pin 16, said nut 19 being situated between the  
plates 10 and 11, which are flared outwardly, 75  
as at 20, forming a seat for said nut.

Passing through the yoke 7 is the threaded  
pin or screw 21, which serves as the adjust-  
ing device for the lower part 22 of the jour-  
nal-box. 80

In the construction seen in Fig. 7 I provide  
the same general construction with the in-  
wardly-extending stiffening flanges or edges  
5, the rest of the construction remaining the  
same as heretofore described. 85

In Fig. 8 I form the strengthening-rib 23  
similar to the strengthening-rib 3, already de-  
scribed, excepting that the same extends in-  
wardly between the plates forming the brace  
4; but each leg is provided with the inwardly- 90  
extending flange or edge 5.

The horizontal adjusting devices 24 are em-  
ployed in the present size; but it will be evi-  
dent that these may be omitted, and in place



of the screws 17 and 21 I may use large supporting means for holding the box 15 in position, and in this event slightly-different brace and yoke will be employed.

5 Although I prefer to use the plate for holding the upper part of the legs in position, yet I could omit this in many sizes. Although I find the means shown for securing the brace to the legs is the best, yet I could easily at-  
10 tach a brace to the hollow rib portions 3 of the legs instead of as shown.

I desire to call especial attention to the inwardly-extending stiffening-flanges, which enable me to make the legs of very strong and  
15 durable construction whether employed with the strengthening-rib or not.

It will be evident that slight modifications can be made by those skilled in the art, and I have shown all the modifications which I claim  
20 come within the bounds of this invention.

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

1. In a shaft-hanger, a tapered leg having  
25 a body portion, a longitudinal hollow rib upon

one side, and longitudinal flanges upon the opposite side thereof.

2. In a shaft-hanger, a sheet-metal leg having a body, a longitudinal strengthening-rib extending from one face of the same and lon- 30  
gitudinal flanges extending from the opposite face of the same.

3. A shaft-hanger comprising sheet-metal legs each having a body, a strengthening-rib projecting from one side thereof and flanges 35  
projecting from the opposite sides thereof, both the rib and flanges extending longitudinally, and a brace uniting the legs intermediate their ends.

4. In a shaft-hanger, legs, each having lon- 40  
gitudinal flanges projecting toward the other, a longitudinal hollow strengthening-rib extending away from the other and a body portion between the flanges and the rib in combination with a brace uniting the legs and 45  
embraced by said flanges.

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