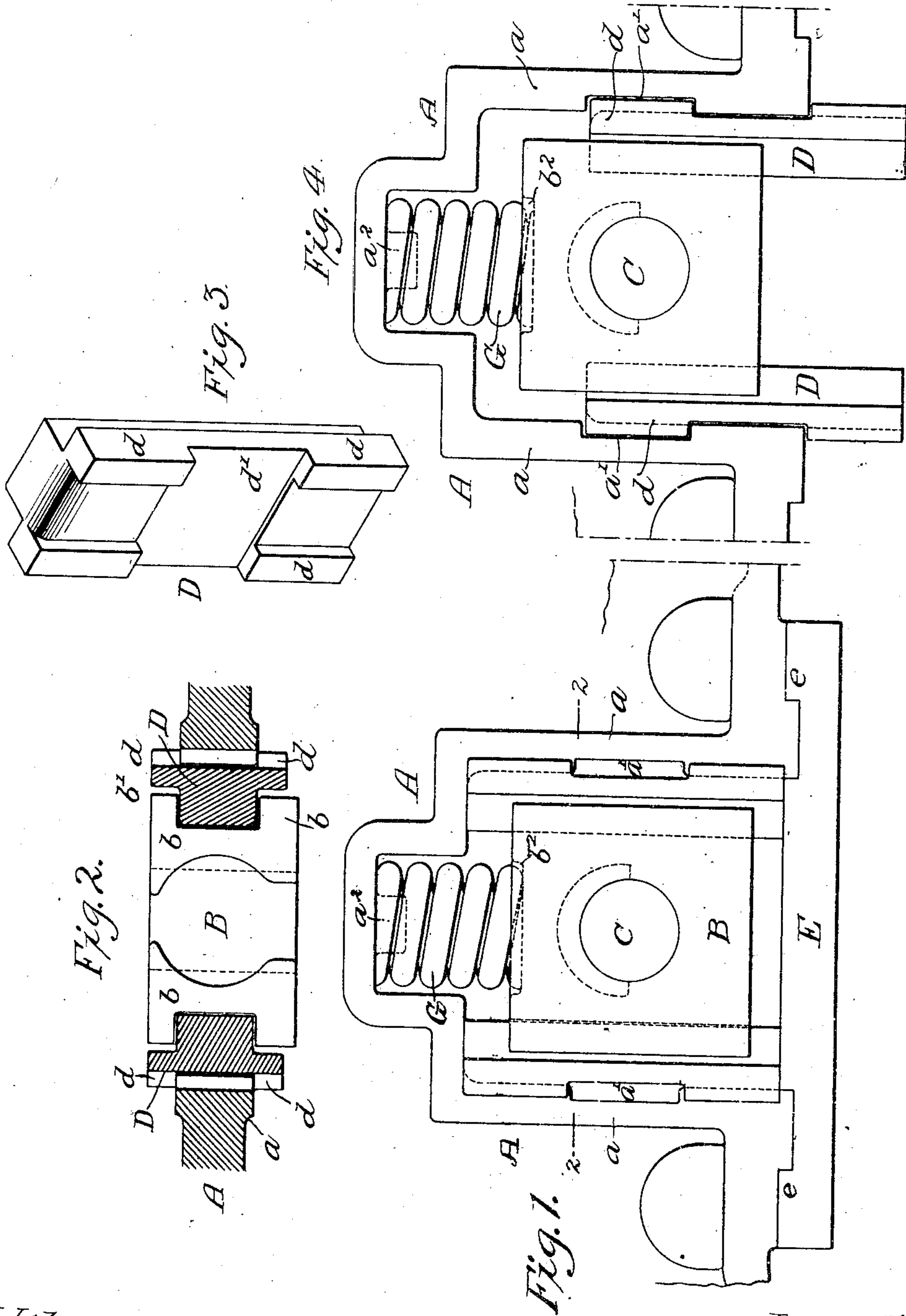


S. M. VAUCLAIN.
 PEDESTAL GIB FOR AXLE BOXES.
 APPLICATION FILED JULY 30, 1908.

908,359.

Patented Dec. 29, 1908.



Witnesses,
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UNITED STATES PATENT OFFICE.

SAMUEL M. VAUCLAIN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE FIRM OF BURNHAM, WILLIAMS & COMPANY, OF PHILADELPHIA, PENNSYLVANIA.

PEDESTAL-GIB FOR AXLE-BOXES.

No. 908,359.

Specification of Letters Patent.

Patented Dec. 29, 1908.

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To all whom it may concern:

Be it known that I, SAMUEL M. VAUCLAIN, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain improvements in Pedestal-Gibs for Axle-Boxes, of which the following is a specification.

My invention relates to certain improvements in pedestal gibs or guides for axle boxes, the invention being particularly adapted for use in connection with the boxes of the driving axles of electric trucks, although it will be understood that the invention may be used in retaining any form of box to its pedestal or bearing.

The object of my invention is to so design the mechanism that the box can be readily removed from the pedestal of the truck without requiring the pedestal to be raised. This object I attain in the following manner, reference being had to the accompanying drawing, in which:—

Figure 1, is a side view showing sufficient of a truck frame and box to illustrate my invention; Fig. 2, is a sectional plan view on the line 2—2, Fig. 1; Fig. 3, is a perspective view of one of the gibs detached; and Fig. 4, is a view showing the location of the gibs in respect to the frame prior to the removal of the box from the frame.

A is the truck frame having pedestals *a*, *a*. B is the box in which is mounted the axle C; this box can be of any type desired and is grooved at each side *b*, *b* forming flanges *b'* between which are mounted at each side the gibs D, D; these gibs are flanged at *d*, *d* so as to extend on each side of the pedestals *a*, of the frame A. The pedestals are cut away at *d'* and the length of the upper flange *d* is less than the length of the cut away portion *a'*, so that when the gibs D are dropped to the position shown in Fig. 4 they can be readily removed laterally, the upper flanges *d* passing through the recess *a'* formed by cutting away the pedestals *a*.

E is a bottom piece connecting the lower ends of the pedestals, the bottom piece being notched at *e*; *e* to engage projections on the frame A and this bottom piece holds the gibs D in position.

G is a coiled spring which rests in a cavity *b²* in the upper portion of the box and is held in position by a stud *a²* projecting from the upper portion of the frame.

When the parts are in the position shown in Fig. 1, it is impossible for the box B to move laterally, as the flanges on the gibs D, D engage the pedestals of the frame and project into the grooves in the box, but when it is desired to remove the box all that is necessary is to relieve the pressure on spring G and detach the bottom plate B, allowing the gibs D to drop to the position shown in Fig. 4, in which position their upper flanges are in line with the recesses *a'* in the pedestals, and when in this position the box can be laterally removed with the side plates without raising up the truck.

When it is wished to assemble the parts the gibs are placed in the grooves in each side of the box and the three pieces then slipped into position, the flanges *d* passing through the recesses *a'* in the pedestals, after which the gibs are raised and the bottom plate E secured in position.

I claim:—

1. The combination of a frame having recessed pedestals, a journal box mounted between the pedestals, gibs engaging the journal box and having flanges overlapping the pedestals, said flanges being cut away so that when moved to a certain position the journal box and the gibs can be removed laterally from the frame.

2. The combination of a frame having pedestals, each recessed on the inner side, a journal box recessed on each side, two gibs mounted in the recesses of the journal box and having flanges cut away at the center, and a bottom plate secured to the frame and adapted to hold the gibs in position.

3. The combination of a frame having pedestals recessed at the center, a journal box recessed on each side forming flanges, two gibs mounted on each side of the journal box and adapted to rest between the flanges, said gibs having flanges cut away at the center, the upper section of the flanges being less in width than the recesses in the pedestals so that the box with its gibs can be laterally removed from the frame.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

SAMUEL M. VAUCLAIN.

Witnesses:

GRAFTON GREENOUGH,
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