

No. 639,184.

Patented Dec. 12, 1899.

F. H. RAPLEY.
TRUCK BOLSTER.

(Application filed Aug. 16, 1898.)

(No Model.)

Fig. 1,

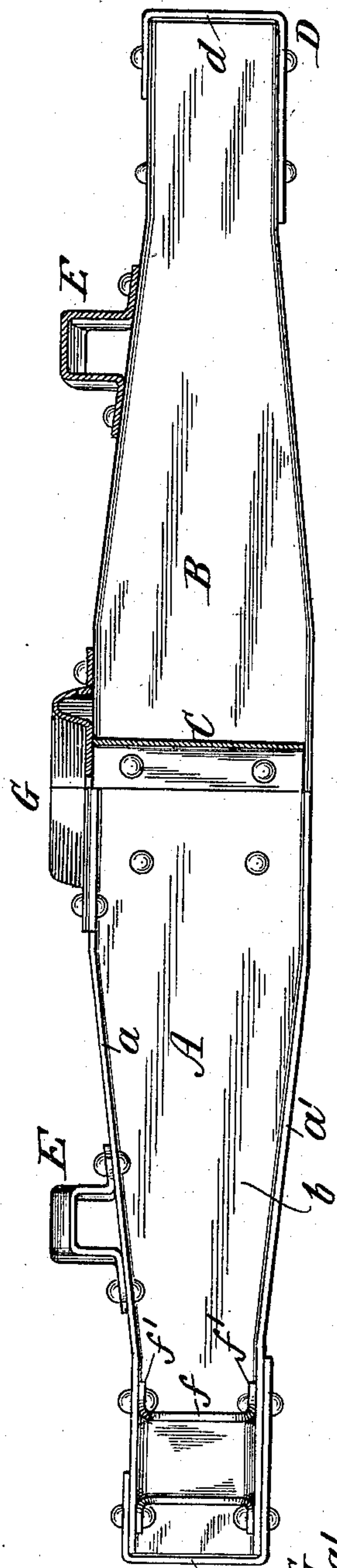
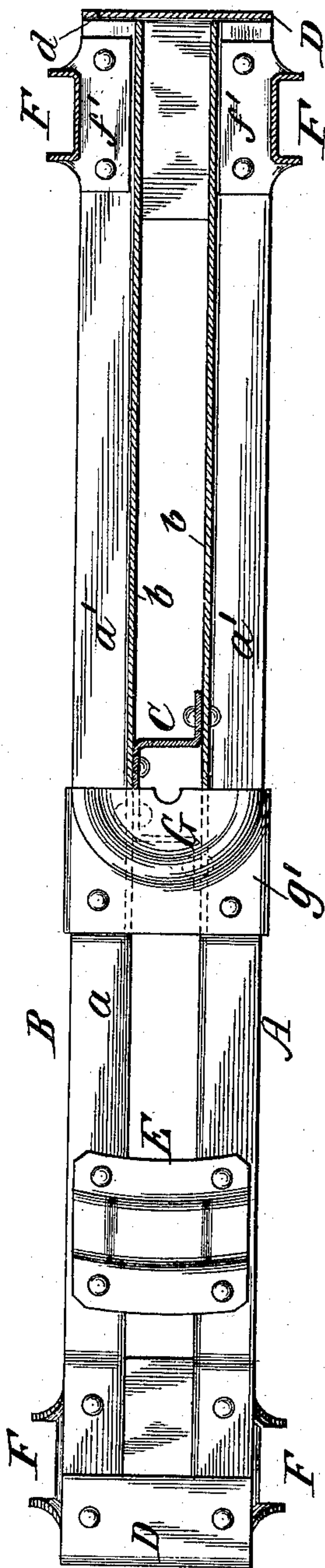


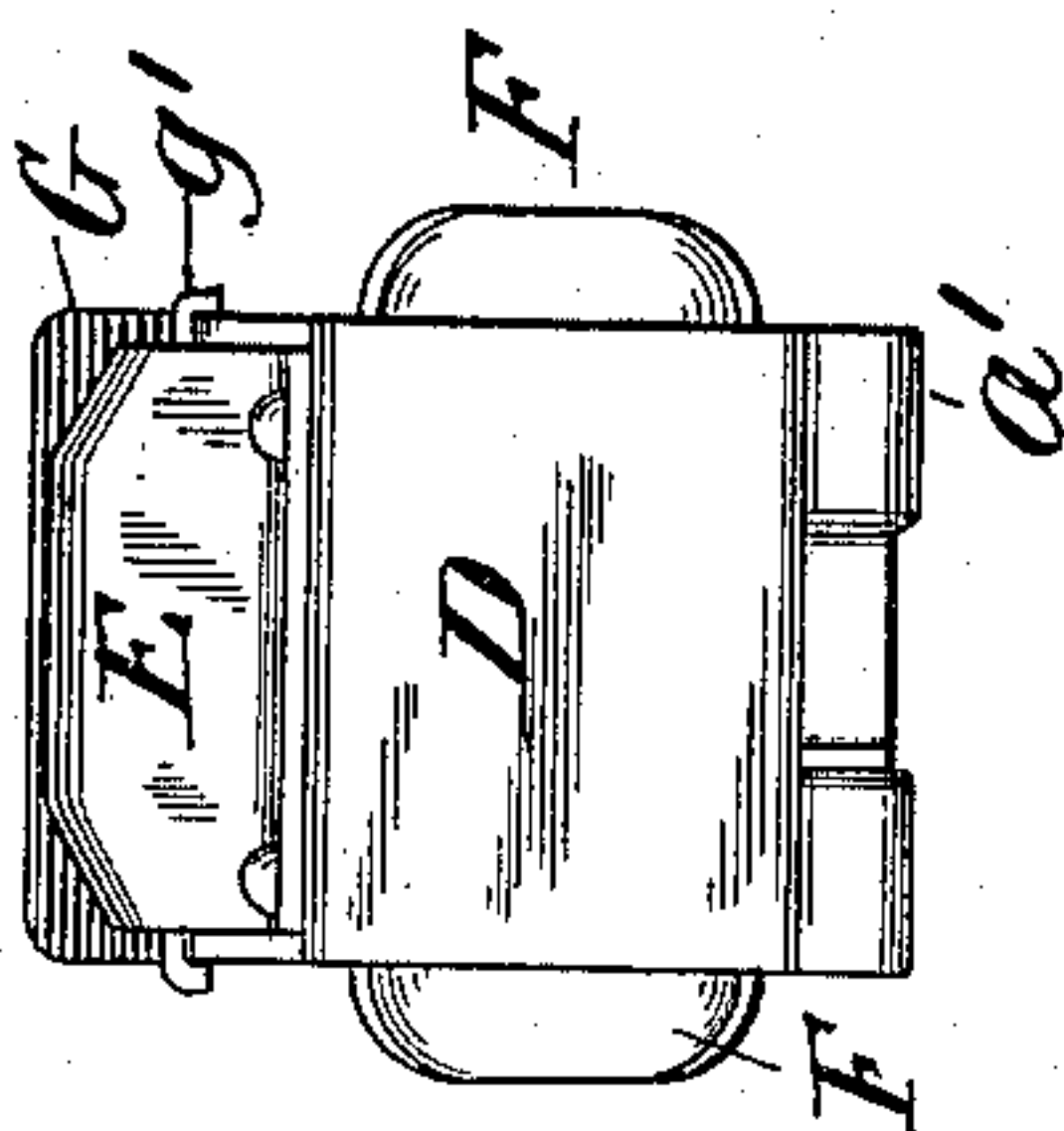
Fig. 2,



WITNESSES:

R. N. Raymond
Geo. C. Cruise

Fig. 3,



INVENTOR

Frederick H. Rapley

BY
E. N. Drisker
HIS ATTORNEY

UNITED STATES PATENT OFFICE.

FREDERICK H. RAPLEY, OF NEW YORK, N. Y., ASSIGNOR TO THE FOX
PRESSED STEEL EQUIPMENT COMPANY, OF SAME PLACE.

TRUCK-BOLSTER.

SPECIFICATION forming part of Letters Patent No. 639,184, dated December 12, 1899.

Application filed August 16, 1898. Serial No. 688,675. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK H. RAPLEY, of the city, county, and State of New York, have invented certain new and useful Improvements in Truck-Bolsters, of which the following is a specification.

My invention relates to truck-bolsters. I will describe a truck-bolster embodying my invention and then point out the novel features in claims.

In the accompanying drawings, Figure 1 is a side elevation, partly in vertical section, of a truck-bolster embodying my invention. Fig. 2 is a top view, partly in horizontal section. Fig. 3 is an end view.

Similar letters of reference refer to corresponding parts in all of the figures.

A and B represent the side members of the bolster, which are of pressed steel, as are all of the other parts comprised in the bolster. They are each provided with a top and bottom flange *a a'* and with a connecting-web *b*. They are also made deeper at their middle portion than at their ends, as the whole weight of the car is supported by the bolster at its middle portion.

The side members are spaced apart and attached together at their middle portions by means of a trough-shaped piece C, which is riveted to the web *b* of each side member. They are also attached together at their ends by means of channel-plates D, which are riveted to the top and bottom flanges of the side members, the web portion *d* of each channel-plate abutting against the ends of the side members. The side members are further secured together by means of the side bearing-pieces E, which are trough-shaped and are secured to the upper flange *a* of each side member.

F represents guides, which are pressed to the form shown. They each comprise the vertical flanges *f* and the horizontal flanges *f'*, by which they are secured to the side members. They are secured to the ends of the side members by rivets which pass through the flanges *f'* of the guides, the flanges *a* of the side members, and the channel-plates D'. These guides also serve as stiffeners for the ends of the side members.

G represents the center plate, which is riveted to the top flanges of the side members. It is provided with flanges *g'*, which abut against the edge of the upper flange. It will

be observed that the webs of the side members come directly under the center of the center plate and also that the webs come directly over the springs on which the ends of the bolster rest. It will also be observed that the rivets for all parts of the bolster can be put in by machine.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A pressed-steel truck-bolster comprising side members which are deeper at their middle portion than at their ends, and means for spacing and attaching said side members together at their middle and channel plates, the webs of which abut against the ends of the side members, secured to the upper and lower edges of the side members for spacing and attaching them together at their ends, substantially as described.

2. A pressed-steel truck-bolster comprising flanged side members, the webs of which are adjacent, means for spacing and attaching them together at their middle and channel plates for securing them at their ends, said plates being secured to the upper and lower flange of each side member and having their web portions abutting the ends of the side members, substantially as described.

3. A pressed-steel truck-bolster comprising flanged side members, the webs of which are adjacent, means for spacing and attaching together said side members, and guides having vertical flanges and horizontal flanges by which they are secured to the ends of the side members and between the top and bottom flanges thereof, substantially as described.

4. A pressed-steel truck-bolster comprising the flanged side members, and having their webs adjacent, a trough-shaped piece for spacing and attaching them together at their middle, guides having horizontal flanges located between the flanges at the ends of the side members, and channel-plates for attaching together and spacing said side members at their ends, said channel-plates and guides being secured to the flanges of the side members, substantially as described.

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

FREDERICK H. RAPLEY.

Witnesses:

ANTHONY GREF,
GEO. E. CRUSE.