

W. C. MARSHALL.
Car-Bell-Rope Supporter.

No. 93,461.

Patented Aug. 10, 1869.

Fig: 1

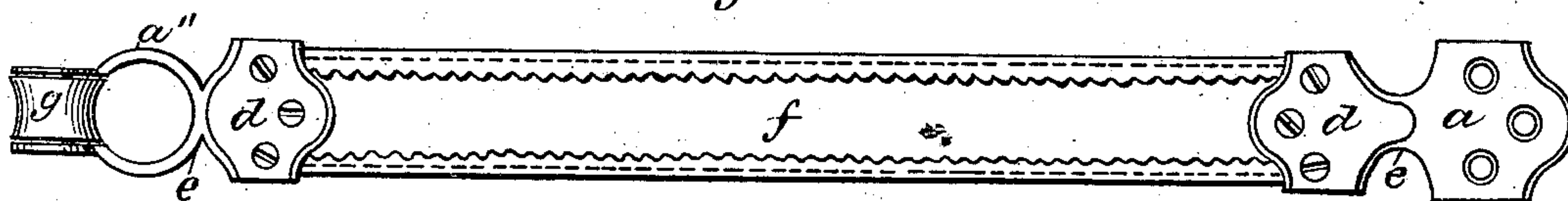


Fig: 2.

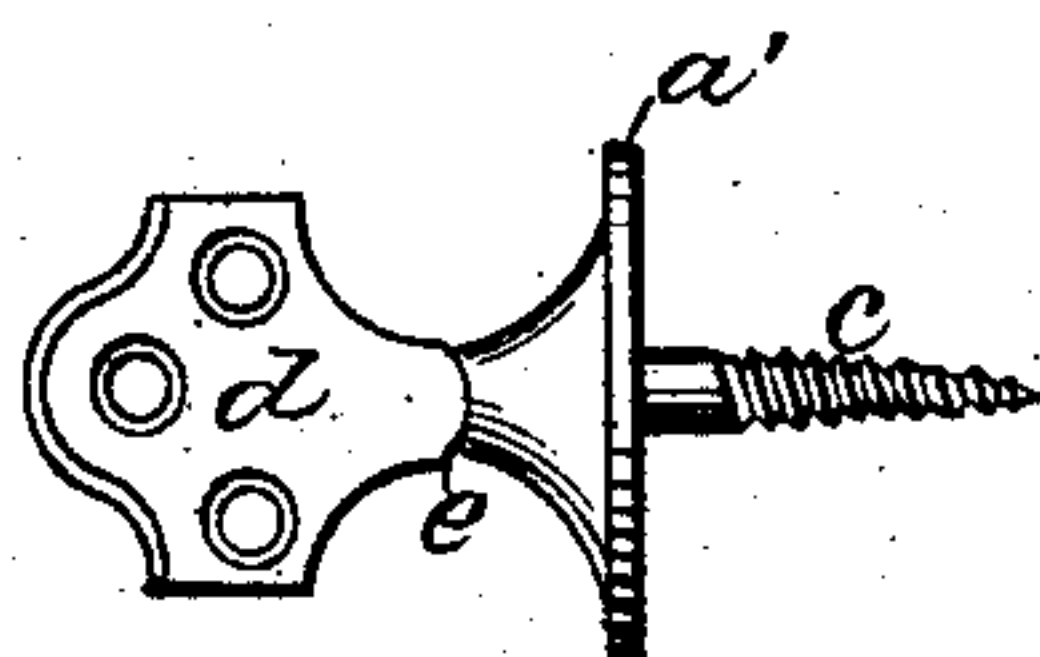
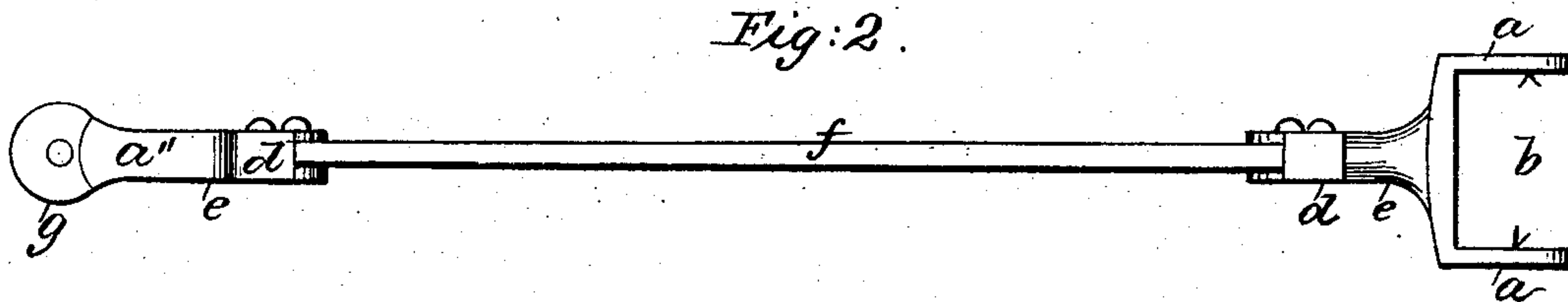
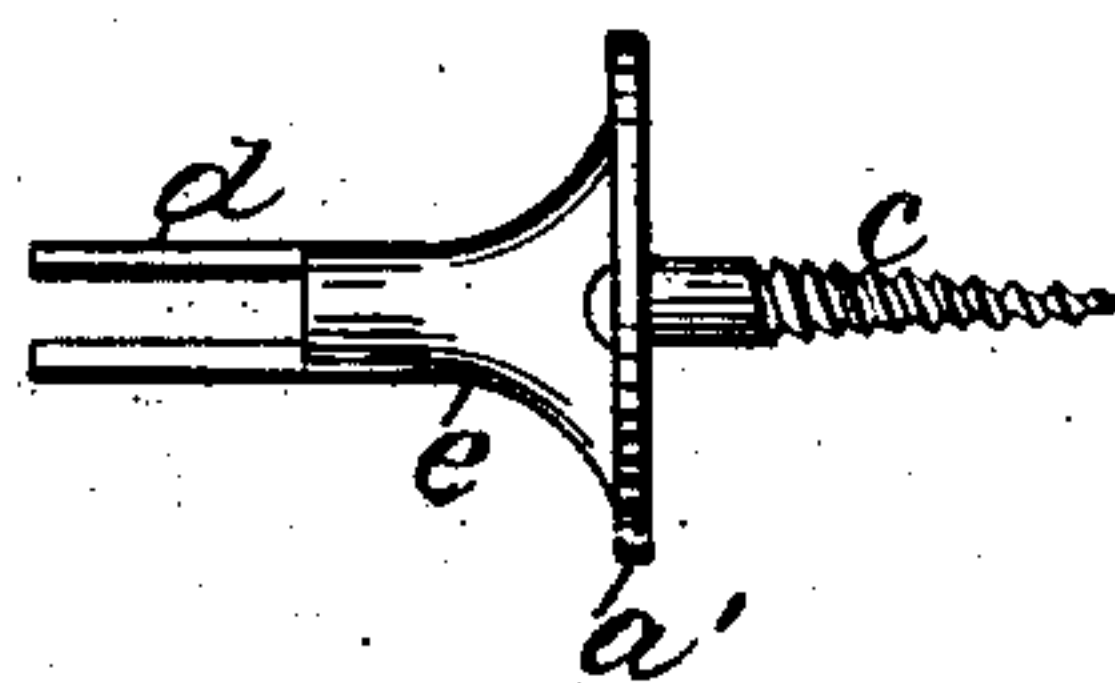


Fig: 3.



Witnesses;
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WILLIAM C. MARSHALL, OF HARTFORD, CONNECTICUT.

Letters Patent No. 93,461, dated August 10, 1869.

IMPROVED BELL-ROPE SUPPORTER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, WILLIAM C. MARSHALL, of the city and county of Hartford, and State of Connecticut, have invented a certain new and useful Improvement in the Manufacture of Bell-Rope Supporter for railroad-cars; and to enable others skilled in the art to make and use the same, I will proceed to describe by referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this invention consists of a slit or socket-opening for the reception of an elastic or leather suspension-strap, by means of which the ends of said strap are firmly secured between the two plates which form the open recess or socket.

In the accompanying drawings—

Figure 1 is a side view of one of these supporters, showing the improvement between the lines *x x*.

Figure 2 is an edge view of the same.

Figure 3 shows a modification in the form of the supporting-brackets, by which they are secured to the frame-work of the car.

a is a bracket, having a slit-opening, *b*, to receive the thickness of a portion of the frame-work of a car.

a' is a flange bracket, having a screw, *c*, the office of which is to secure said bracket firmly to the frame-work of a car by turning the bracket-screw until the flange is drawn firmly up against the frame-work; then

said bracket may be further secured by screws turned into the frame-work through the orifices formed in said bracket-flange.

d is a clasp to plate-opening or sockets, which are united to the brackets *a a'* by a necking, *e*, the object of which is to receive and firmly secure the ends of the elastic or leather strap *f*.

a'' is a ring-bracket for holding the friction-roll *g*.

These two brackets *a a''* are united to the clasp *d* by necking *e*.

By this invention sufficient rigidity and flexibility are united to render the bell-rope sensitive to the least strain thereto or thereon, and at the same time keep the supporter in its proper place and position, and render it more symmetrical in appearance, more merchantable, and desirable for use.

I believe I have thus shown the nature, construction, and advantage of this invention, so as to enable others skilled in the art to make and use the same therefrom.

I claim the construction of a bell-rope supporter, substantially as shown and described, as an improved article of manufacture.

W. C. MARSHALL.

Witnesses:

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