

M. C. LAWLESS.
RAILWAY CAR.

No. 95,697.

Patented Oct. 12, 1869.

Fig. 1.

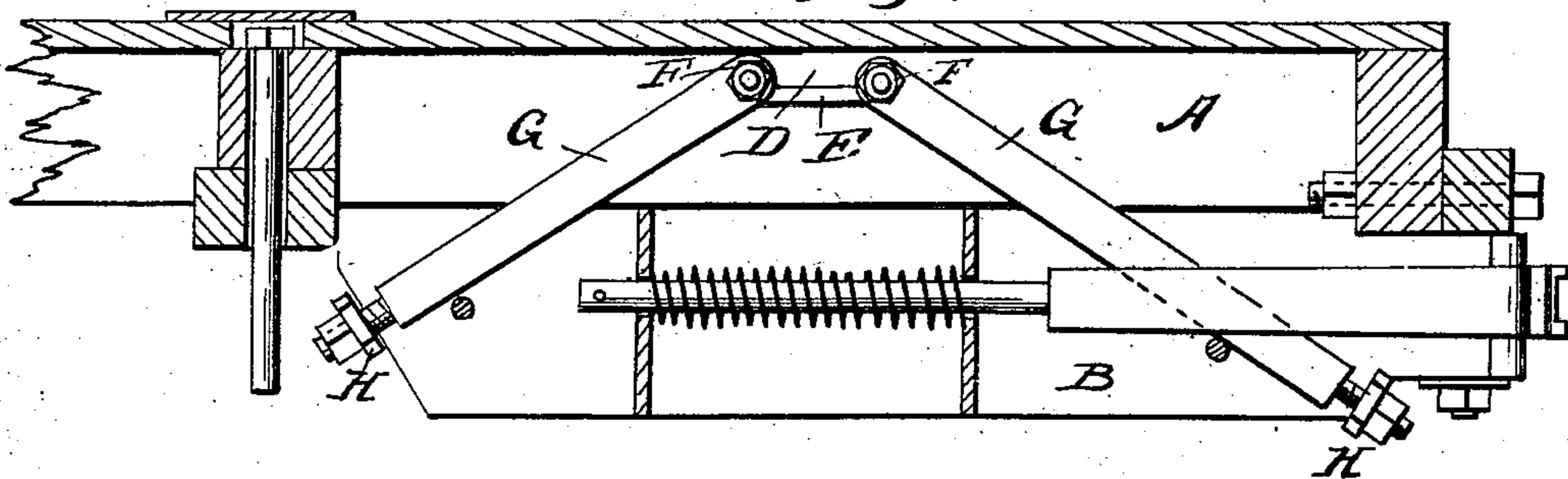


Fig. 2.

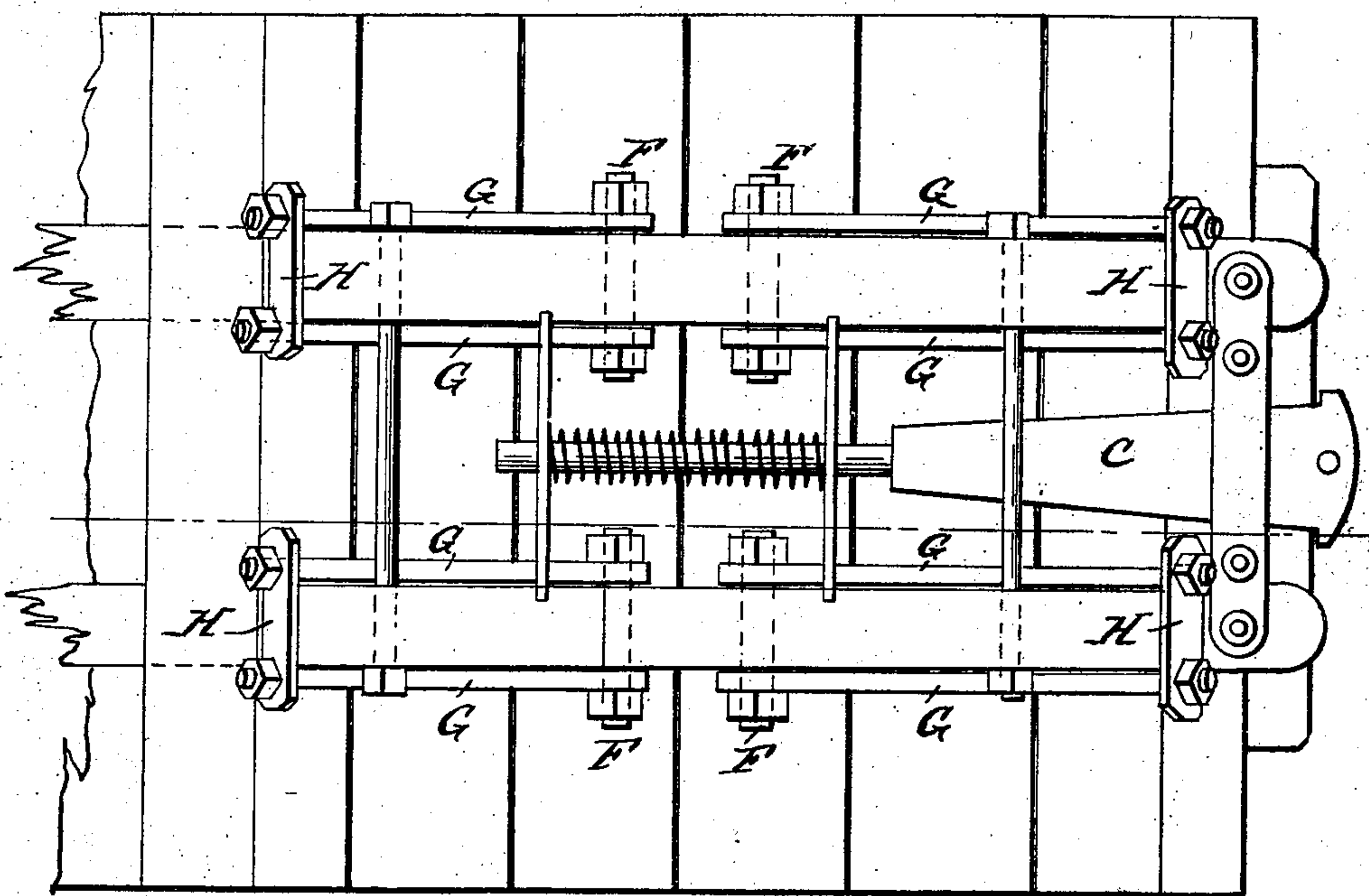
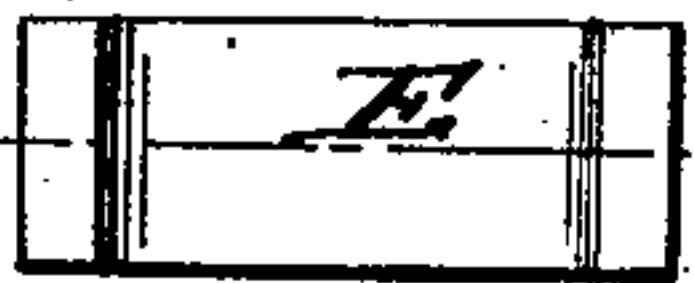


Fig. 3.



Fig. 4.



Witnesses:
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M. C. LAWLESS, OF MONTANA, IOWA.

Letters Patent No. 95,697, dated October 12, 1869.

IMPROVEMENT IN RAILWAY-CARS.

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, M. C. LAWLESS, of Montana, in the county of Boone, and State of Iowa, have invented a new and useful Improvement in Construction of Cars; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to improvements in the attachment of the timbers of cars which support the draw-heads to the permanent stringers, the object of which is to afford a ready means of detaching them for repairs.

Figure 1 represents a sectional elevation of a car-bottom constructed according to my improvement.

Figure 2 represents a plan view of the said bottom.

Figures 3 and 4 represent details.

Similar letters of reference indicate corresponding parts.

A represents the permanent stringers of the bottom, and

B, the timbers to which the draw-heads C are attached.

These latter timbers have heretofore been con-

nected to the timbers A by bolting up through the bottom of the car, and to remove them requires internal access to the cars, which are often loaded.

My invention consists in attaching these timbers B by clamps, which may be detached from the under side.

In recesses D, in the upper faces of the stringers, I place metallic plates E, whereon I support, by transverse bolts F, clamp-bars or plates G, stretched diagonally toward each end of the timbers B, where diagonal shoulders are provided, and clamping-plates H are screwed up on the bars G, against the said shoulders.

By this arrangement, the timbers B may be readily taken off when required.

Having thus described my invention,

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

Clamping the timbers B to the stringers A by detachable clamps, substantially as herein shown and described.

M. C. LAWLESS.

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