D. Harrison,

Water Tank.

No. 96428. Patented Nov. 2. 1869.

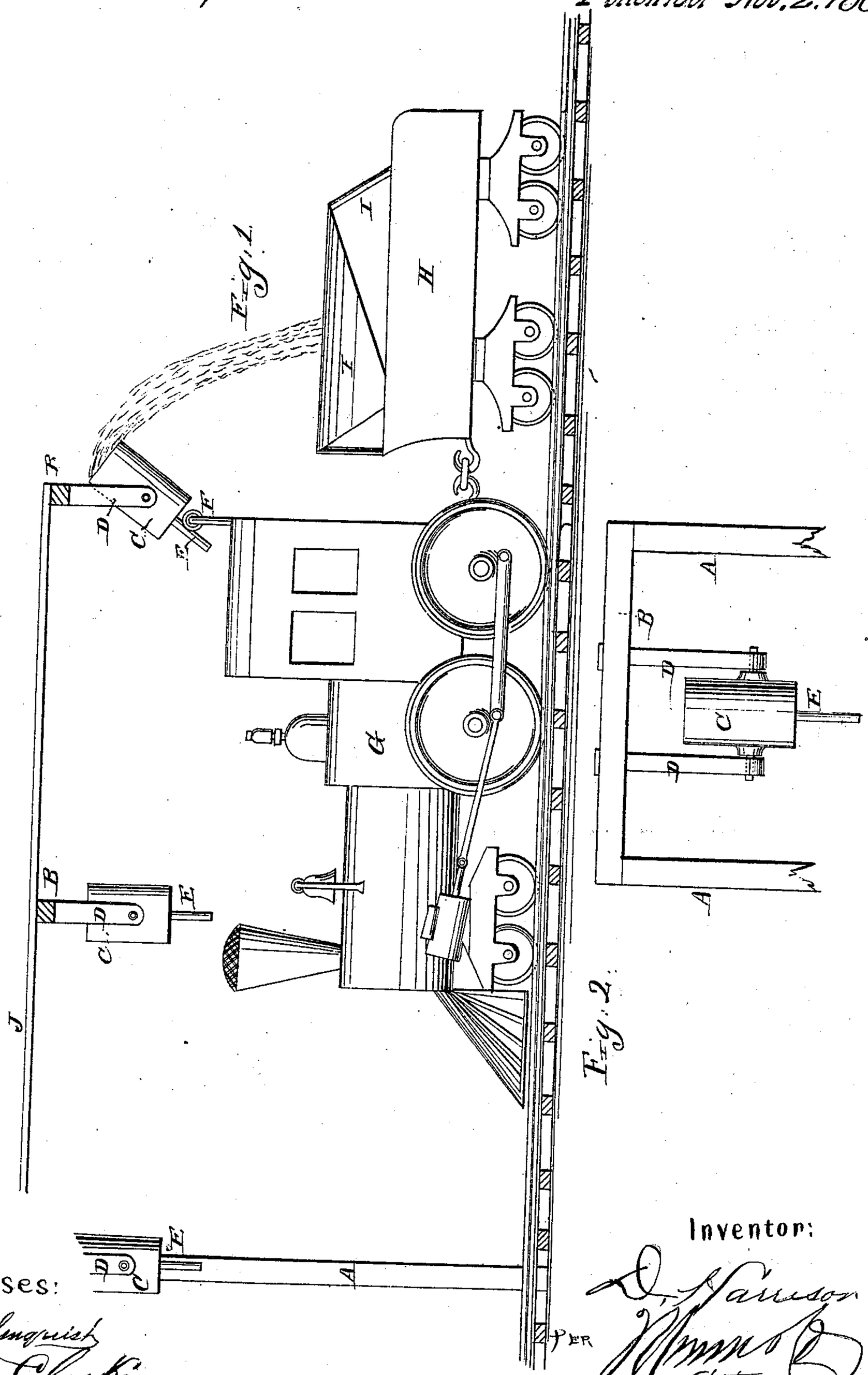

Fig. 1.

Fig. 2.

Witnesses:

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W. F. Clark

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United States Patent Office.

DAVID HARRISON, OF FAYETTE, MISSISSIPPI.

Letters Patent No. 96,428, *dated November* 2, 1869.

IMPROVED RAILWAY SUPPLY-APPARATUS.

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, DAVID HARRISON, of Fayette, in the county of Jefferson, and State of Mississippi, have invented a new and useful Improvement in Railroad Supply-Apparatus; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a side view of my improved apparatus, partly in section, to show the construction.

Figure 2 is a detail view of one of the buckets and its supporting frame-work.

Similar figures of reference indicate corresponding parts.

My invention has for its object to furnish a simple, convenient, and effective means for supplying a moving railroad-train with water, fuel, &c., while under full headway; and

It consists in the apparatus, constructed and operating as hereinafter more fully described.

At the station, or other place where water, fuel, mails, &c., are to be taken on, are erected a series of posts, A, at each side of the track, connected at their upper ends by cross-bars, B, the posts A being at such a distance apart and of such a height that the posts A and cross-bars B may be entirely out of the way of the passing trains.

C are buckets, of suitable form and size, to contain the water, fuel, mail-bags, or other articles, which buckets are pivoted by easy-working pivots to the lower ends of the arms or supports D, the upper ends of which are attached to the middle part of the cross-bars B.

From the lower part of the buckets C project trip-arms E, to be struck by a projection, F, attached to the pilot-house, or some other suitable part of the engine G or tender H, to trip the buckets C, and discharge their contents into the cistern, or some other part of the tender.

The projections F have rubber blocks placed upon them, to diminish the shock and prevent injury to the buckets when struck by said projections.

The position of the projection F, with reference to the tender H, must depend upon the rate of speed at which the train is to move.

The tender H should have a properly constructed hopper, I, attached to it to receive the contents of the buckets C, whatever they may be.

The cross-bars B should be connected and strengthened by planks, J, attached to them, and extending from one to another, which planks will form a walk for the attendants who fill and take care of the buckets C.

Having thus described my invention,

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

1. The suspended pivoted bucket C, for supplying a moving train with water, fuel, &c., substantially as herein shown and described.

2. The posts A, cross-bars B, suspended pivoted buckets C, trip-arms E, projection F, provided with a rubber block, and hopper I, with each other and with the engine G and tender H of a moving train, substantially as herein shown and described, and for the purpose set forth.

DAVID HARRISON.

Witnesses:
J. R. ARMISTEAD,
P. D. WHITNEY.