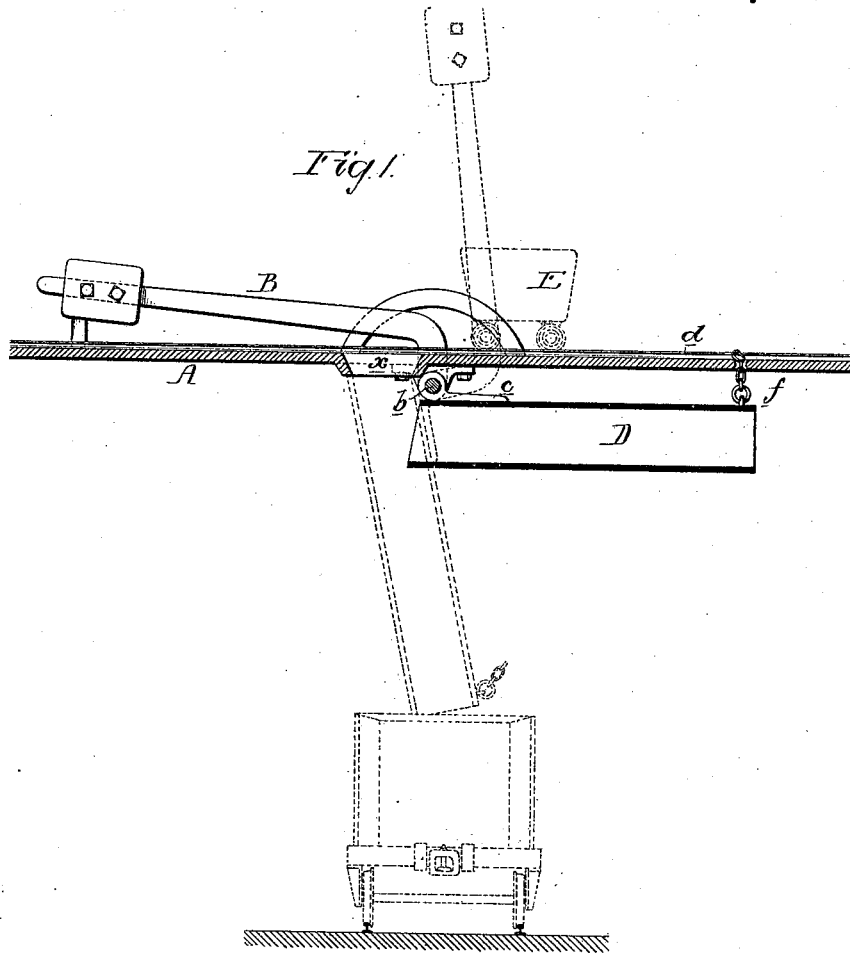


S. T. FULLER & C. A. MERRIAM.

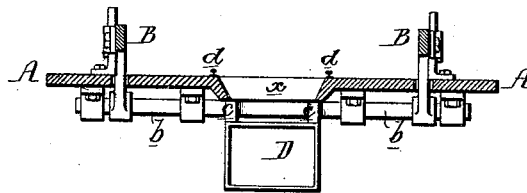
DEVICE FOR SUPPLYING LOCOMOTIVE TENDERS WITH COAL.

No. 180,335.

Patented July 25, 1876.



*Fig. 2.*



Witnesses  
Harry Howson, Jr.  
Harry Smith

Sidney T. Fuller  
and Charles A. Merriam  
by their Attorneys  
Howson and Son

# UNITED STATES PATENT OFFICE.

SIDNEY T. FULLER AND CHARLES A. MERRIAM, OF PHILADELPHIA, PA.

IMPROVEMENT IN DEVICES FOR SUPPLYING LOCOMOTIVE-TENDERS WITH COAL.

Specification forming part of Letters Patent No. **180,335**, dated July 25, 1876; application filed June 8, 1876.

*To all whom it may concern:*

Be it known that we, SIDNEY T. FULLER and CHARLES A. MERRIAM, of Philadelphia, Pennsylvania, have invented an Improved Device for Supplying Locomotive-Tenders with Coal, of which the following is a specification:

The object of our invention is to construct a simple and effective device for supplying locomotive-tenders with coal; and this object we attain in the manner which we will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a longitudinal section of the device, and Fig. 2 a transverse section of the same.

A represents part of an elevated platform, built over a railroad-track, and having an opening, *x*, near one edge of which, on the under side of the platform, is hung a shaft, *b*, provided at each end with a weighted lever, B, extending above the platform, and in the center with arms *c*, attached to one end of a chute, D, which, when the levers B are depressed, is elevated close to the under side of the platform. When the said levers are raised the chute is turned down, so as to form a continuation of the opening *x*, as shown by dotted lines in Fig. 1. Upon the top of the platform A are rails *d*, one on each side of the opening *x*, and adapted to the wheels of a coal-car, E, (shown by dotted lines.) The weights on the levers B are so adjusted as to balance the weight of the chute D, and thus render the

moving of the same easy of accomplishment; and to the lower end of the chute is attached a chain, *f*, to be attached to the under side of the platform, for preventing the accidental depression of the outer end of the chute.

The mode of supplying a locomotive-tender with coal by the above-described device is as follows: When the tender arrives beneath the opening *x*, the chute is depressed so that its lower end shall be immediately over the coal-bunker of the same. The coal-car E is now moved over the said opening *x* and its contents dumped through the same, so as to pass through the chute into the tender, after which the chute is again raised out of the way.

By the above-described device the tenders may be supplied with coal as rapidly as desired, but two attendants being required to effect the operation.

We claim as our invention—

In a device for supplying locomotive-tenders with coal, the combination of the elevated platform A, shaft *b*, weighted levers B, and chute D, all substantially as set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

SIDNEY T. FULLER.  
CHARLES A. MERRIAM.

Witnesses:

HARRY HOWSON, Jr.,  
HARRY SMITH.