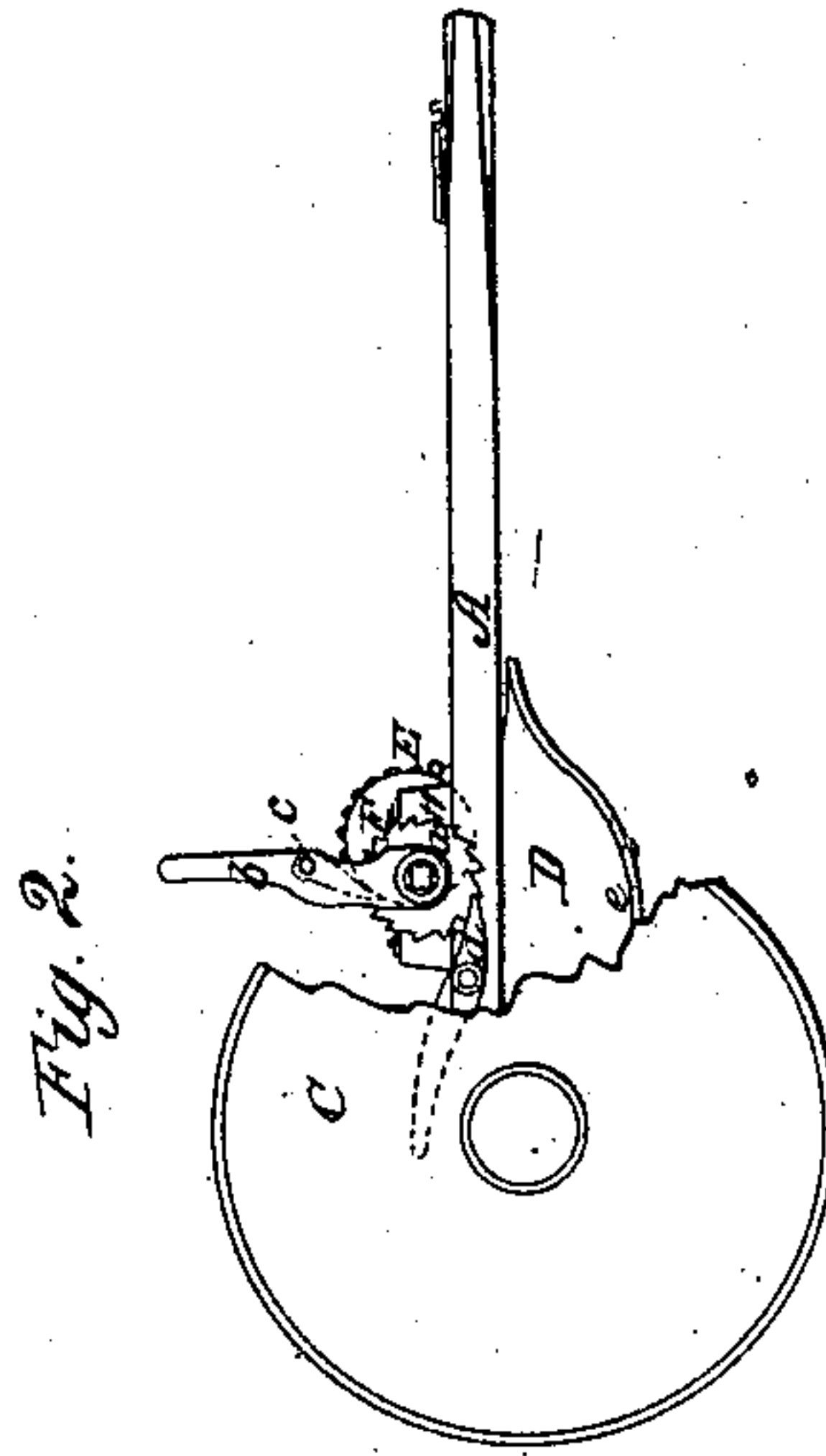
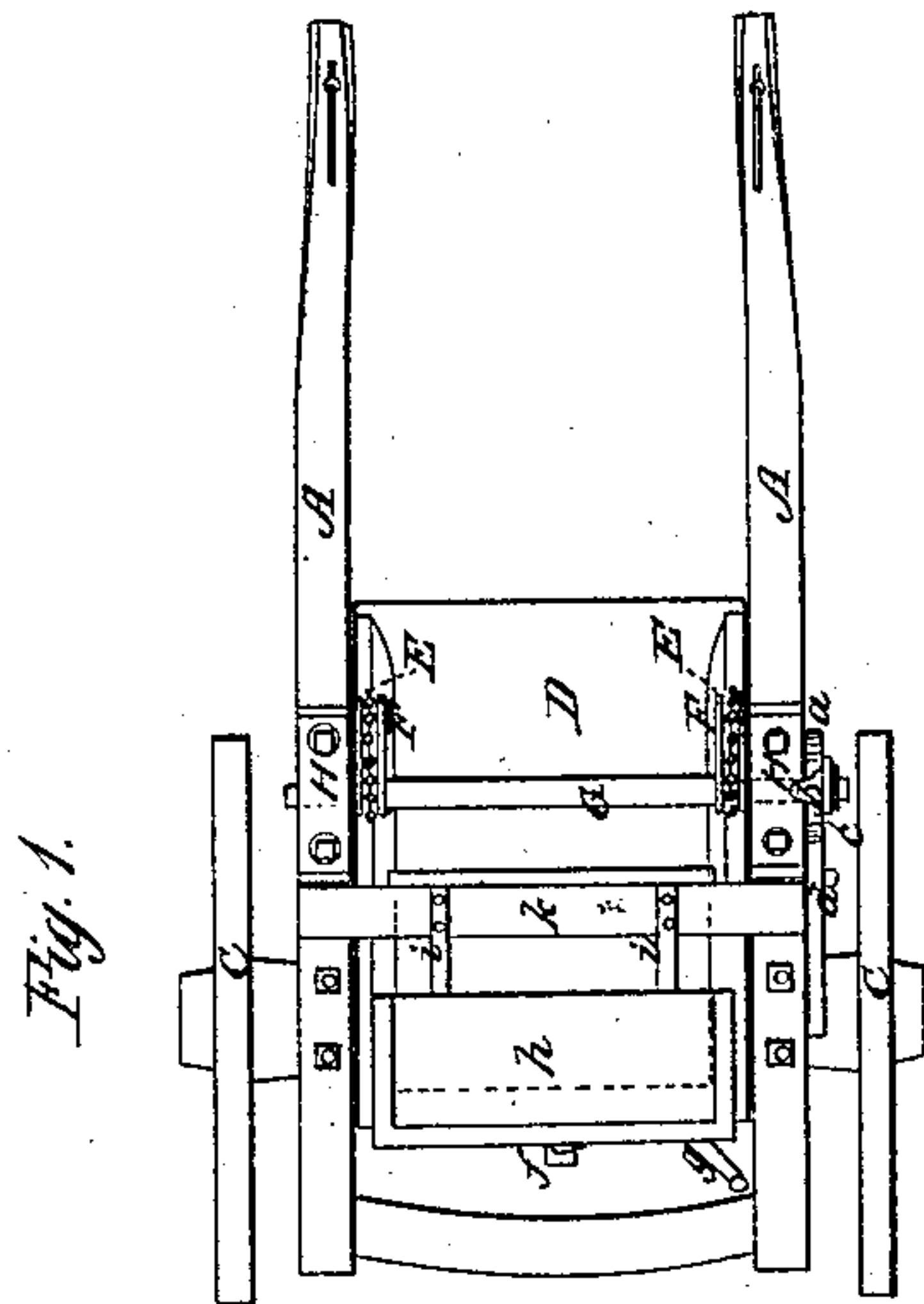
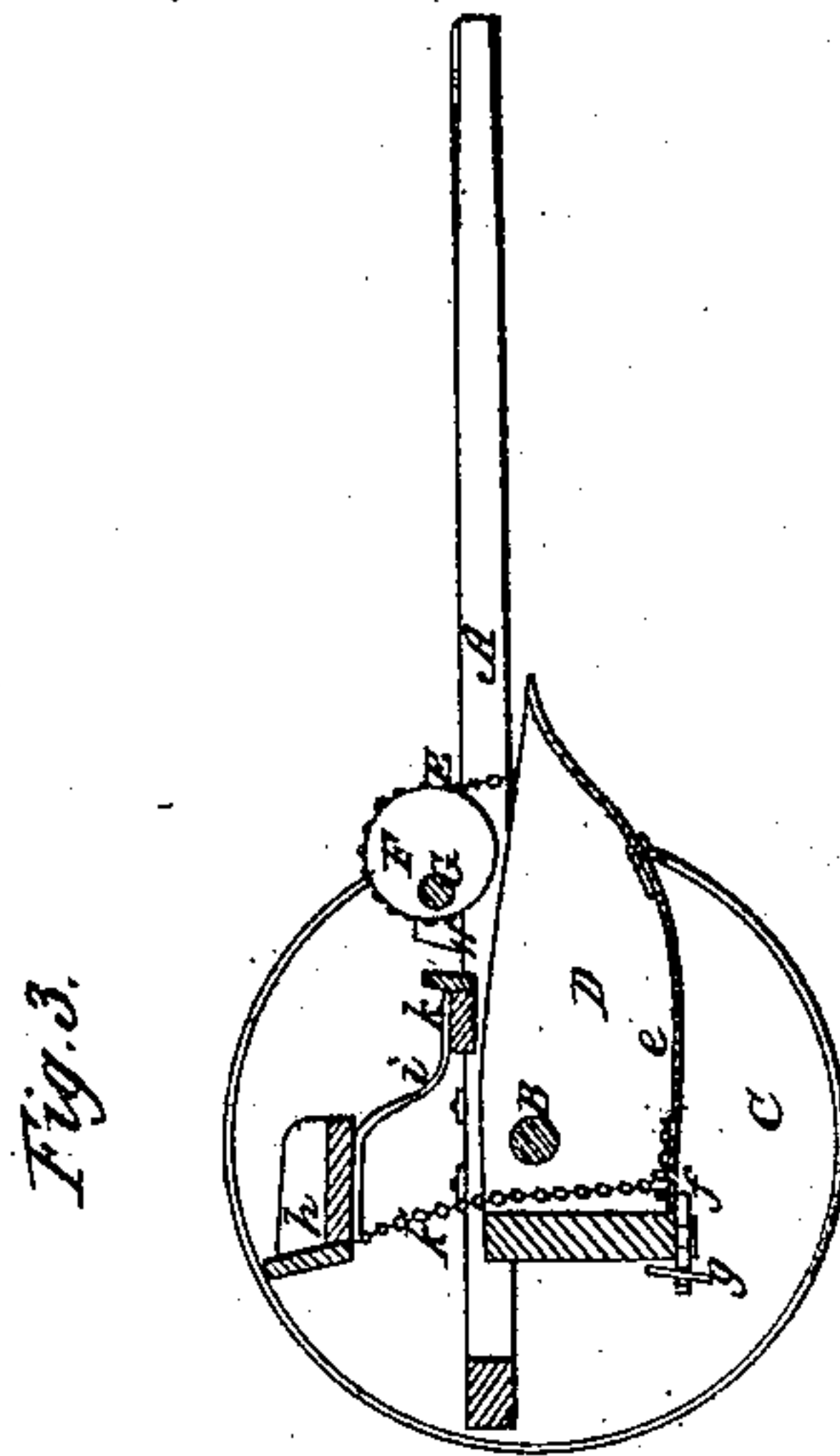
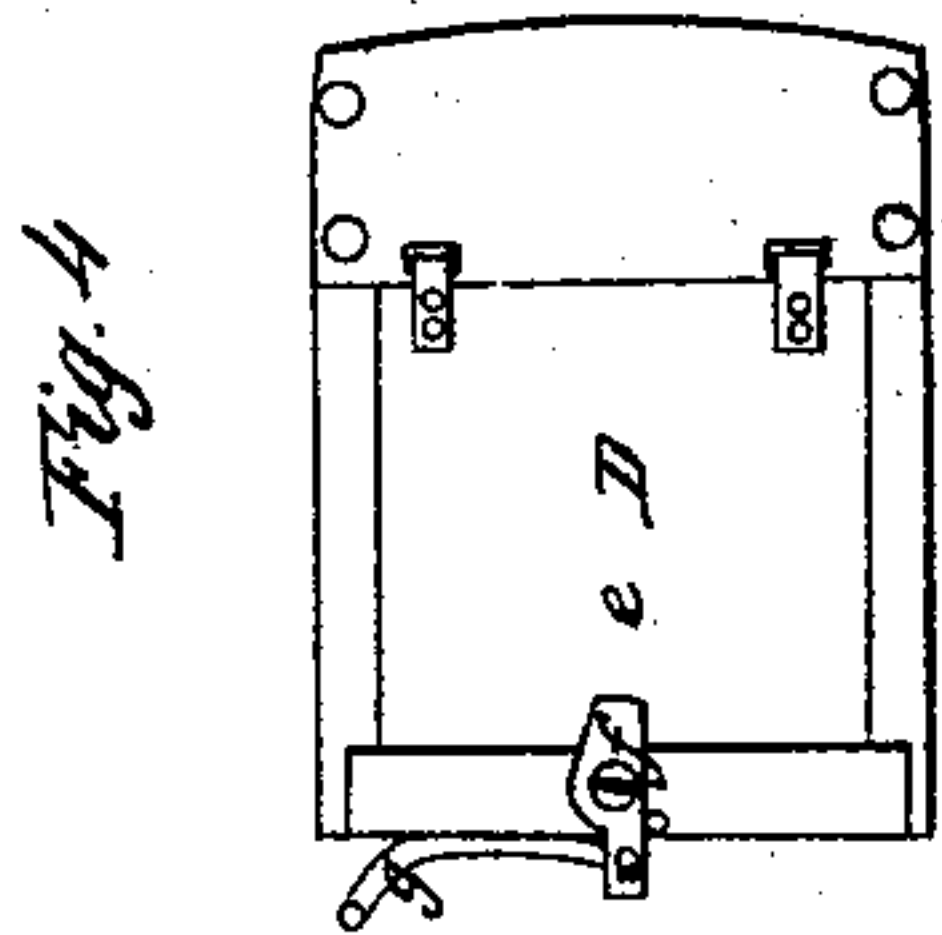
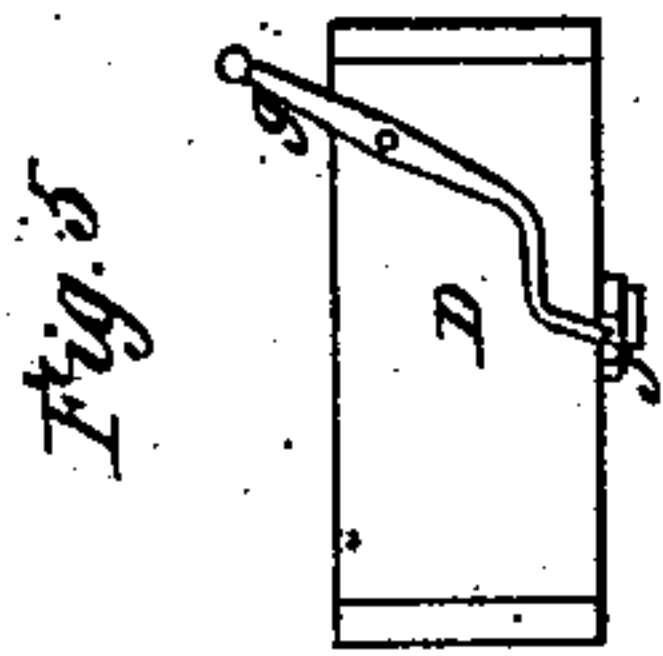


T. BLODGETT.  
DUMPING CART.

No. 44,068.

Patented Sept. 6, 1864.



Witnesses  
Frederick Curtis  
F. P. Hale

Inventor:  
Theodore Blodgett  
by his attorney  
R. H. Eddy

# UNITED STATES PATENT OFFICE.

THEODORE BLODGETT, OF BELCHERTOWN, MASSACHUSETTS.

## IMPROVED DUMPING-CART.

Specification forming part of Letters Patent No. 44,068, dated September 6, 1864.

*To all whom it may concern:*

Be it known that I, THEODORE BLODGETT, of Belchertown, in the county of Hampshire and State of Massachusetts, have invented a new and useful or Improved Self Loading and Discharging Cart; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Fig. 3 a longitudinal section, of it. In Fig. 2 one of the wheels is shown as broken away in order to correctly represent the operative mechanism of the ratchet of the shaft which carries the lifting-cams or eccentrics of the scoop. Fig. 4 is an under side view, and Fig. 5 is a rear elevation, of the said scoop.

In the said drawings, A denotes thills or shafts applied to an axle, B, having two supporting-wheels, C C. On the axle there is applied a scoop, D, which near its rearend turns freely on the axle and has its front end or part supported by two chains, E E, each of which is fastened to the periphery of one of two eccentrics, F F, affixed on a cross-shaft, G. The journals of the said shaft G are supported in boxes H H, upheld by the thills, and there is fixed on the shaft a ratchet, *a*. A lever, *b*, carrying an impelling-pawl, *c*, turns on shaft G as a fulcrum, and is arranged by the side of the ratchet, and so that the impelling-pawl may act with the teeth of such ratchet. A retaining-pawl, *d*, is also used with the ratchet, and serves, when in engagement with the ratchet, to hold it from revolving. The bottom of the scoop is open or has a discharging-opening made through it, such opening being provided with a flap or door, *e*, which is hinged to the scoop, and when closed is held in place by a turn-button, *f*, which is operated or turned by manual force applied to a hand-lever, *g*, arranged as shown in the drawings. A driver's seat, *h*, is placed over the axle and thills and supported by two springs, *i i*, extended from a cross-bar, *k*, disposed as seen in Figs. 1, 2,

and 3. The object of the eccentrics F F is to enable a greater leverage to be brought into action to raise the scoop at the commencement of elevating it out of the ground than may be necessary to effect its further elevation.

In the operation of this cart the scoop is to be dropped so as to rest with its front end on the ground to be excavated. As the cart may be drawn over the ground the scoop will plunge into and below the surface thereof, and, passing underneath it, will be caused to take up more or less of the earth. After a sufficient quantity of earth may have accumulated in the scoop the attendant, by applying his hand to the hand-lever of the impelling-pawl, is to work such hand-lever back and forth, so as to produce a rotary movement of the eccentrics and a consequent elevation of the scoop. In order to discharge the contents of the scoop, the turn-button is to be rotated so as to allow the door or flap to fall, in which case the earth will drop out of the scoop. Subsequently the scoop-door may be raised up by force applied to a chain, K, applied to it and suspended from the driver's seat.

I claim—

1. The combination and arrangement of the eccentrics F F with the shaft G, the scoop D, its lifting-chains E E, and the operative mechanism of such shaft.

2. The arrangement of the scoop D on the axle of the supporting-wheels, in combination with the arrangement of the scoop-elevating machinery on thills, as specified.

3. The combination of the hinged door and its holding mechanism *f g* with the scoop D, its elevating mechanism, and the wheels and thills or their equivalent for connecting one or more draft-animals to the cart.

THEODORE BLODGETT.

Witnesses:

R. H. EDDY,  
F. P. HALE, Jr.