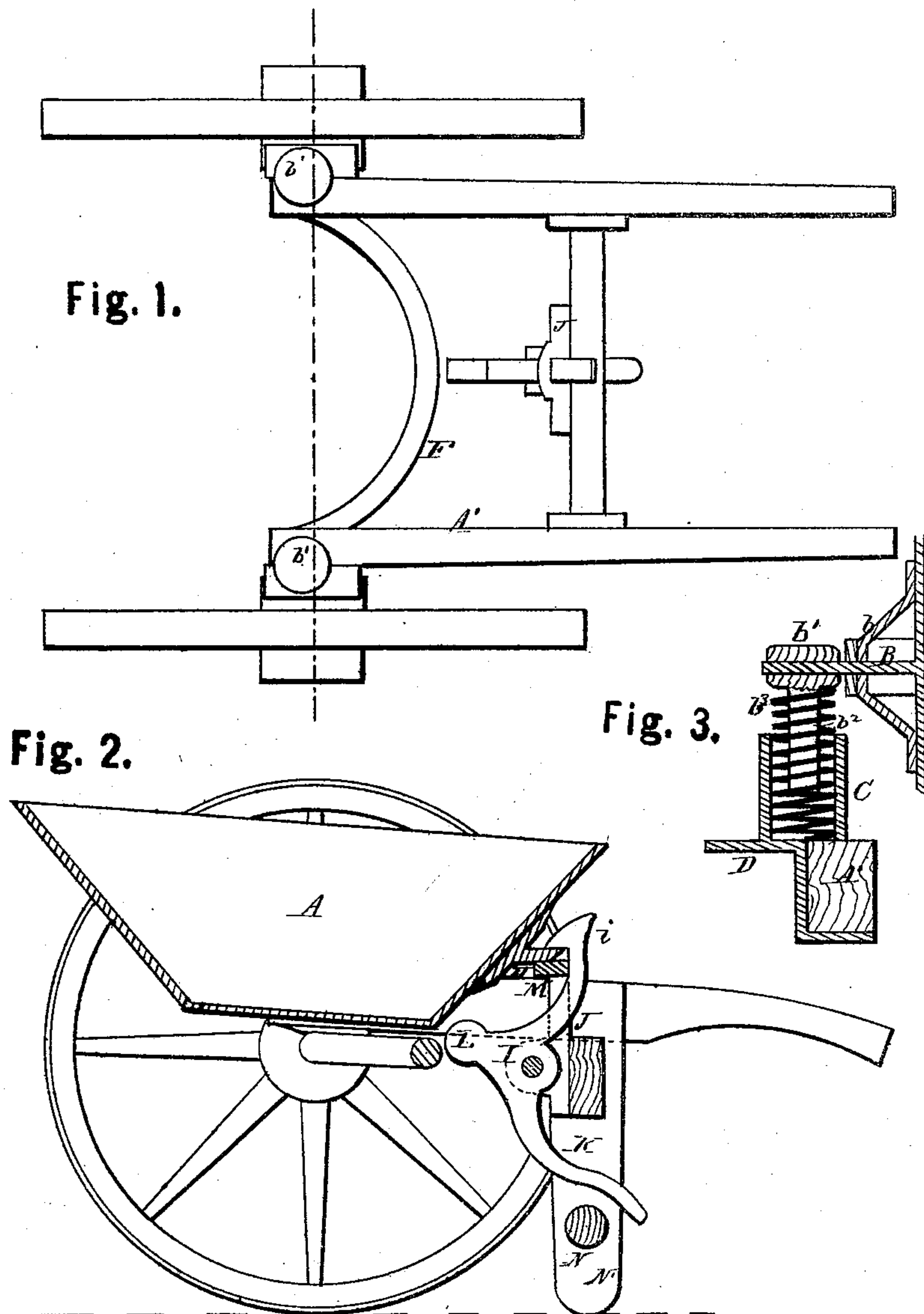


W. B. GLOVER.

Improvement in Hand-Carts.

No. 131,095.

Patented Sep. 3, 1872.



WITNESSES.

E. A. Bates

George E. Upham.

INVENTOR.

Winslow B. Glover,
Chipman Hosmer & Co

Attys

UNITED STATES PATENT OFFICE.

WINSLOW B. GLOVER, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN HAND-CARTS.

Specification forming part of Letters Patent No. 131,095, dated September 3, 1872.

To all whom it may concern:

Be it known that I, WINSLOW B. GLOVER, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Hand-Carts; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a top view of the gear to my cart. Fig. 2 is a sectional view of my cart. Fig. 3 is a detail view of my invention.

This invention has relation to dumping hand-carts; and it consists in the construction and novel arrangement of the pivoted body, pivot-bearings, springs, axle, and trip mechanism, all as hereinafter described.

Referring to the drawing, A represents a sheet-iron body of a scoop shape, or with its ends inclined outward and its middle part concave. B represents pivots or shafts, projecting from the sides through raised plates *b*, and inserted in caps *b*¹, which serve as pivot-bearings and allow the body to tilt. These caps are provided with shanks *b*², around which spiral springs *b*³ are wound. The springs are placed and held within cups C attached to Z-shaped plates D projecting from the sides of the frame A'. The brackets or raised plates *b* are designed for the purpose of strengthening the pivots and preventing lateral movement of the body. The springs *b*³ are employed to render the motion of the cart easy and to prevent jolting and rattling. F designates the axle, the spindles of which project from underneath the pivots B so as to centralize the weight of the body upon the wheels. Between the spindles the axle is curved toward the handles to a semicircular form so as to give sufficient space for the tilting of the body. The body is made of the form de-

scribed so that articles may be dumped from it readily, and is alike at both ends so that when one end wears out it may be turned around and the other substituted. From the rear end of said body a lug, H, projects. A curved lever, I, having a beveled shouldered end, *i*, and pivoted between the sides of a slotted plate, J, secured to the frame A', catches said lug when the body is raised, as shown in Fig. 2. This lever has a foot-piece, K, projecting back, as shown, to within reach of a person's foot, who, by pressing upon it, may release the lever from the lug and allow the body to be tilted. A weighted arm, L, counterbalances the lever and brings it to a position which will cause it to engage automatically with the lug H and remain in position. A cross-bar, M, at the top of the plate J, limits the swing of the lever and prevents the head from being brought too low by the weight of the arm L. The transverse bar N, between the supports N' of the hand-cart, prevents the arm K from being pressed down too low.

What I claim as new is—

1. In a dumping hand-cart the combination of the tilting body A, spirals or pivots B, bearings *b*¹, shanks *b*², cups C, and spiral springs *b*³, substantially as specified.

2. The hand-cart having the tilting body A, axle E, curved toward the handles, substantially as specified.

3. The lever I, pivoted to the slotted plate J, and having the beveled shoulder part *i*, weighted arm L, and foot-piece K, in combination with the pivoted body A, having the lug H, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WINSLOW B. GLOVER.

Witnesses:

E. K. BASTON,
GEORGE W. HOOD.