

No. 891,997.

PATENTED JUNE 30, 1908.

H. T. KINGSBURY.
TOY DUMP CART.

APPLICATION FILED AUG. 29, 1907.

2 SHEETS—SHEET 1.

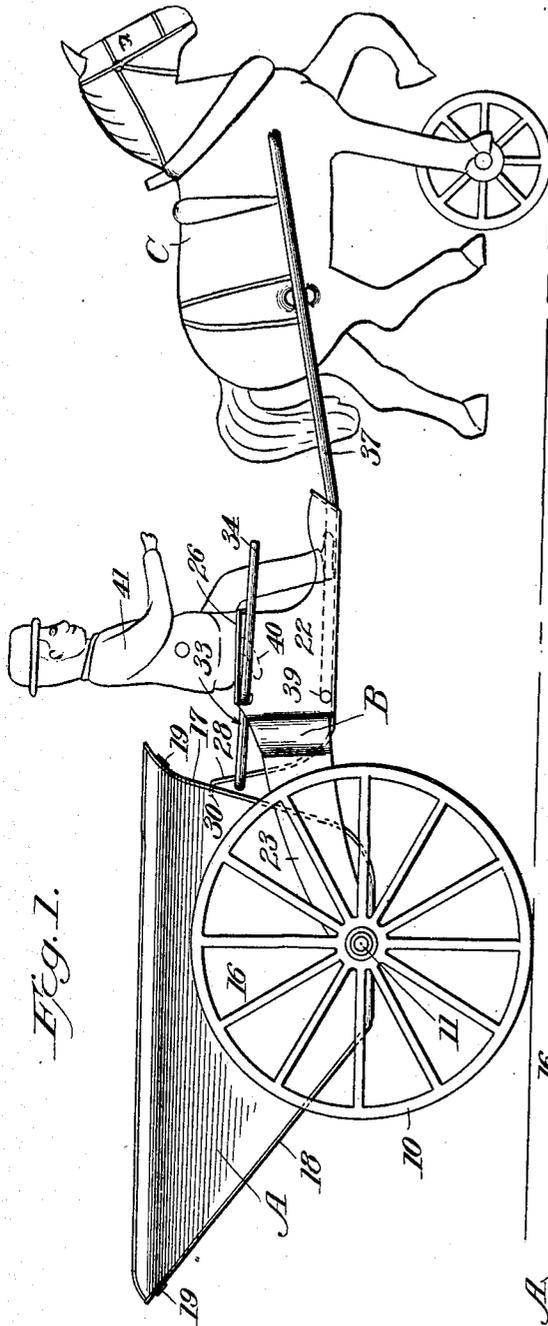


Fig. 1.

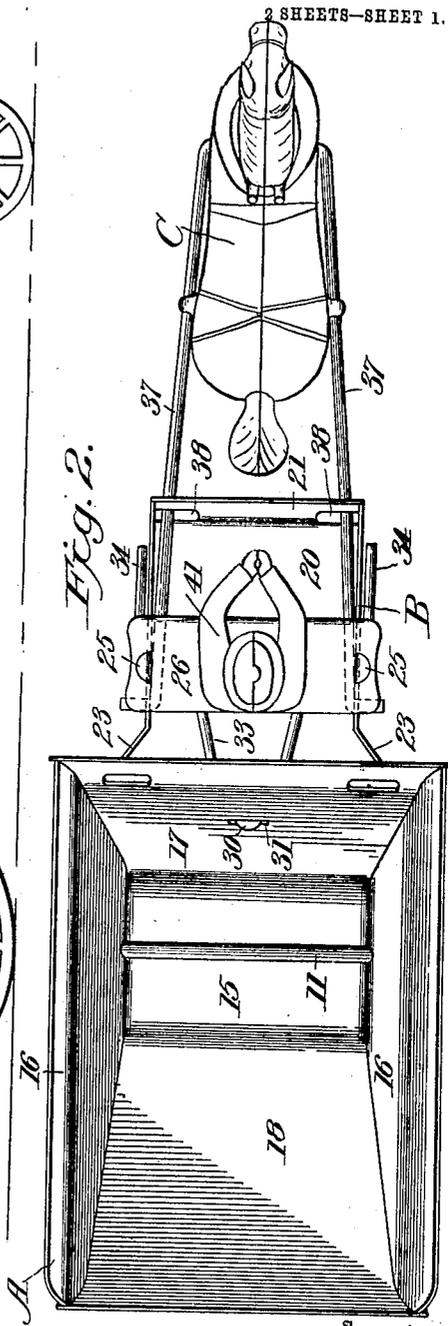


Fig. 2.

Inventor

Witnesses

C. N. Walker.
Albert Perkins

334

Harry T. Kingsbury
Sturtevant & Mason
Attorneys

No. 891,997.

PATENTED JUNE 30, 1908.

H. T. KINGSBURY.
TOY DUMP CART.

APPLICATION FILED AUG. 29, 1907.

2 SHEETS—SHEET 2.

Fig. 3.

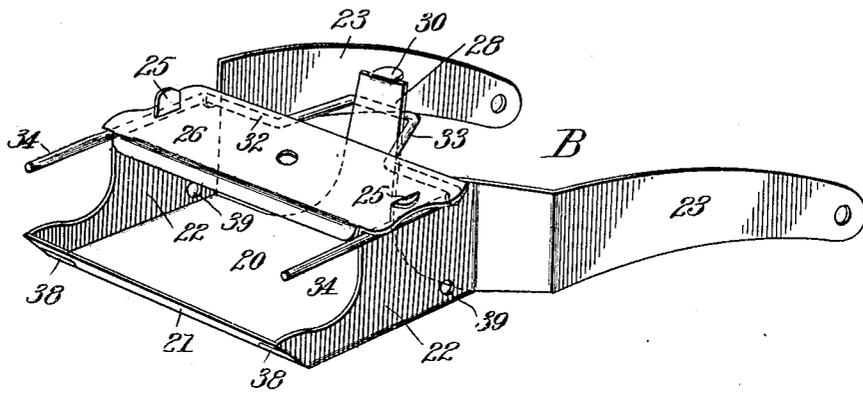
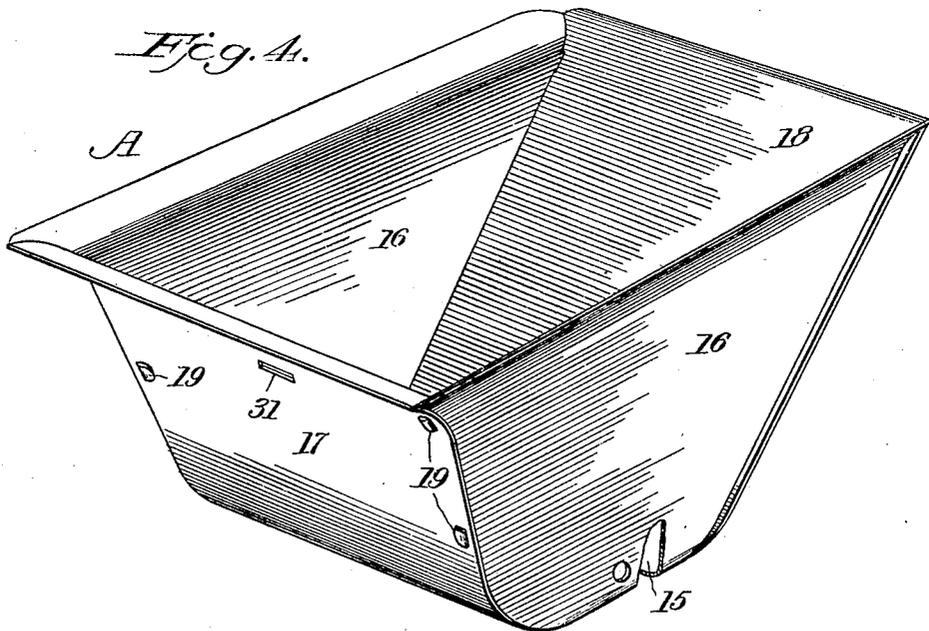


Fig. 4.



Witnesses
C. Walker
Albert Copkin

Inventor
Harry T. Kingsbury
By *Sturtevant & Massey*
Attorneys

UNITED STATES PATENT OFFICE.

HARRY T. KINGSBURY, OF KEENE, NEW HAMPSHIRE.

TOY DUMP-CART.

No. 891,997.

Specification of Letters Patent.

Patented June 30, 1908.

Application filed August 29, 1907. Serial No. 390,612.

To all whom it may concern:

Be it known that I, HARRY T. KINGSBURY, a citizen of the United States, residing at Keene, in the county of Cheshire, State of New Hampshire, have invented certain new and useful Improvements in Toy Dump-Carts, of which the following is a description, reference being had to the accompanying drawing and to the letters and figures of reference marked thereon.

This invention relates to toy carts and has for its principal object to construct a novel form of toy cart in which the principal members may be made at small cost from stamped sheet metal.

A further object of the invention is to provide a cart of this class in which the frame, including the box and the bucket or hopper lock, are formed of a single piece of metal.

A still further object of the invention is to provide a novel form of locking and releasing means for the load bucket or hopper.

A still further object of the invention is to provide a load bucket or hopper that is formed of a single sheet of metal.

With these and other objects in view, the invention consists in the combination of elements described in the accompanying specification, and referred to in the appended claims.

In the accompanying drawings, which illustrate one embodiment of my invention; Figure 1 is a side elevation, partly in section, of a toy dump cart constructed in accordance with the invention. Fig. 2 is a plan view of the same. Fig. 3 is a detail perspective view of the frame, parts being broken away in order to more clearly illustrate the construction. Fig. 4 is a similar view of the load bucket or hopper.

The device includes a wheel supported load bucket or hopper A, a frame B, and a wheel supported horse C.

The supporting wheels 10 are carried by an axle 11 on which the bucket or hopper A is pivotally mounted. The bucket or hopper is formed of a single sheet of metal, the corner portions of the blank being cut out and the four sides of the blank being bent upward thereby forming a bottom 15, a pair of slightly inclined side walls 16, a front wall 17 and a rear wall 18, the latter being arranged at an angle of about 45° to the horizontal when the device is in load carrying position. The ends of the side walls 16 are provided with projecting teats or lugs 19 which ex-

tend through openings in the front and rear walls and are then bent over to confine the parts in place. The axle 11 extends through openings formed in the lower portions of the side walls and the vertical plane of the center of gravity of the bucket or hopper is to the rear of the axle so that when unlocked the bucket or hopper will immediately fall to dumping position.

The frame B is formed of a single piece of metal, including a bottom 20 and foot rest 21. The metal at the sides of the bottom is bent upward to form seat standards 22 and these are continued rearward in the form of a pair of arms 23 which are spread to pass to the sides of the bucket, the rear ends of the arms being provided with openings for the passage of the axle 11.

At the upper edges of the seat standards are two ears or lugs 25 which pass through openings in a driver's seat 26, the ends of which project some distance beyond the outer walls of the standards.

Projecting upward and rearward from the rear edge of the bottom 20 is a bucket locking finger 28, that tends to spring rearward against the bucket or hopper, and the upper end of this finger has a rearwardly bent tongue 30, that engages an opening 31 in the front wall of the bucket and serves to normally hold the latter in load receiving position.

The upper portions of the seat standards have openings for the passage of a lock releasing bail 32 having a centrally disposed rearwardly extending loop 33 which engages the rear face of the finger 28, and end arms or handles 34, which extend under and project forward of the seat. The finger tends to move rearward and being inclined exerts a cam like action on the loop 33 so that the handles 34 are held up against the lower face of the seat, the latter acting as a stop to limit such upward movement.

The wheeled horse C is of the usual construction, and carries spring wire thills 37 which are passed through openings 38 in the foot board, the ends of the thills having outwardly bent arms which are sprung into openings 39 in the seat standards.

The central portion of the seat is provided with an opening for the reception of a downwardly and rearwardly bent lug 40 projecting from the base of a figure 41 representing the driver.

It will be observed that the cart may be

dumped from either side by pressing down on either of the handles 34, the loop 33 riding upward on the locking finger and pulling the tongue 30 from engagement with the opening 31 in the bucket.

Having thus particularly described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a dump cart, a wheeled axle, a pivotally mounted bucket or hopper, a sheet metal frame including a bottom member and seat standards, the seat standards having rearwardly extending arms pivoted on the axle, and the bottom member having an integral spring finger for locking the bucket in load receiving position, and a finger releasing member carried by the frame.

2. In a dump cart, a pivotally mounted bucket or hopper, a frame, a seat on said frame, a spring finger arranged to engage and lock the bucket in load receiving position, and a pivotally mounted finger releasing loop having end arms or handles extending under the seat, said seat forming a stop for limiting the movement of the handles.

3. In a dump cart, a pivotally mounted bucket or hopper, a frame including seat

standards, and a seat, a bucket locking finger forming an integral part of the frame, and provided with a rearwardly extending bucket engaging tongue, and a releasing bail extending through the seat standards, and having a centrally disposed finger engaging loop, the ends of the bail forming handles that extend under the seat.

4. In a dump cart, a hopper, a wheeled axle on which the hopper is pivoted, a single piece frame formed of stamped sheet metal and including a bottom member and seat standards, the rear portions of said standards being extended to form a pair of arms, said arms being pivoted to the axle, and a seat carried by said standards.

5. In a dump cart construction, a stamped sheet metal frame including a bottom, the side portions of which are bent upward to form seat standards, said standards being extended rearward to form axle engaging arms.

In testimony whereof I affix my signature, in presence of two witnesses.

HARRY T. KINGSBURY.

Witnesses:

CHARLES C. STURTEVANT,
L. G. LITCHFIELD.