No. 763,555. PATENTED JUNE 28, 1904.

S. L. GREENE.

PLATFORM WAGON.

APPLICATION FILED MAR. 15, 1904.

NO MODEL. 2 SHEETS—SHEET 1.

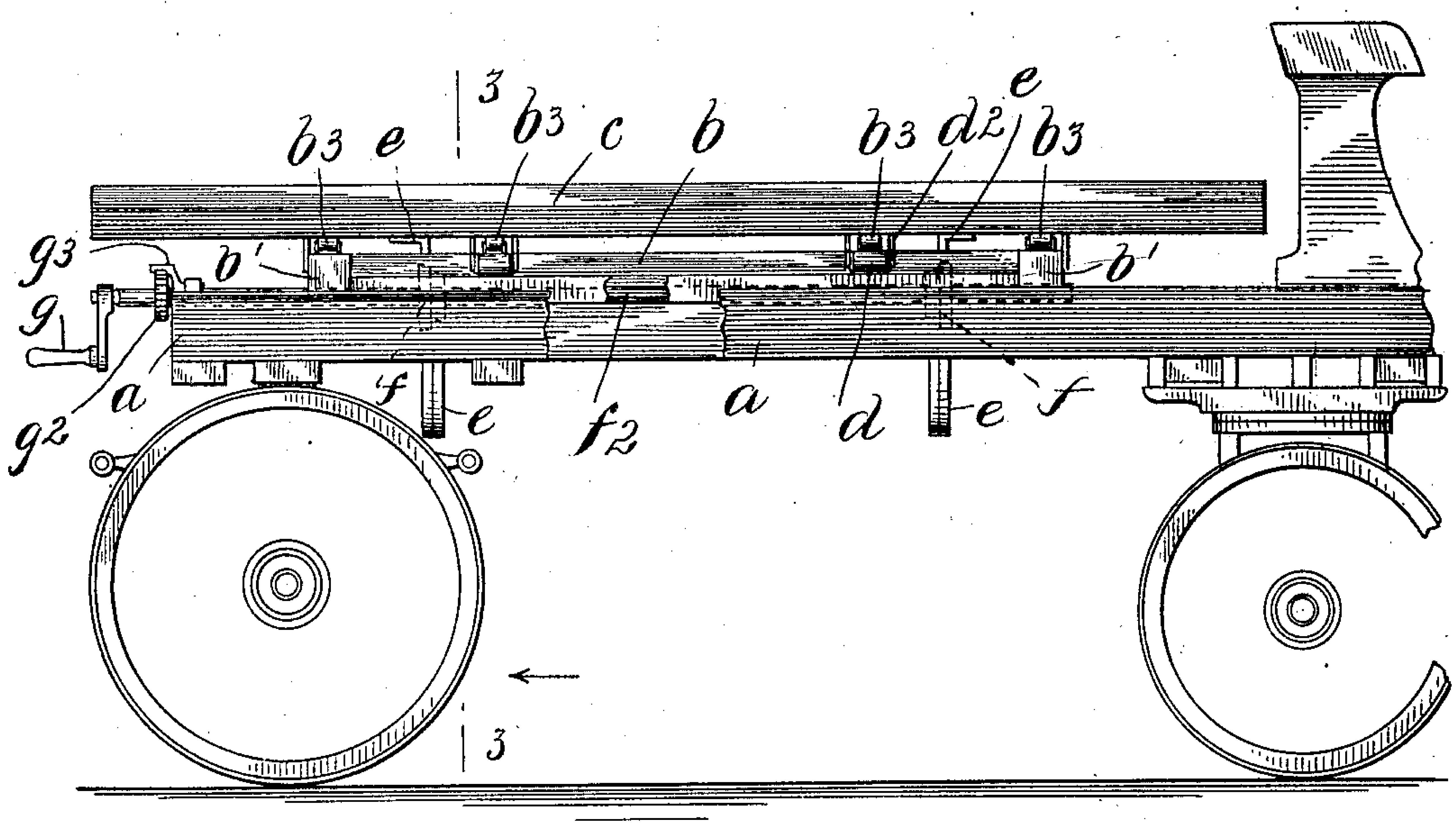

Fig. 1.

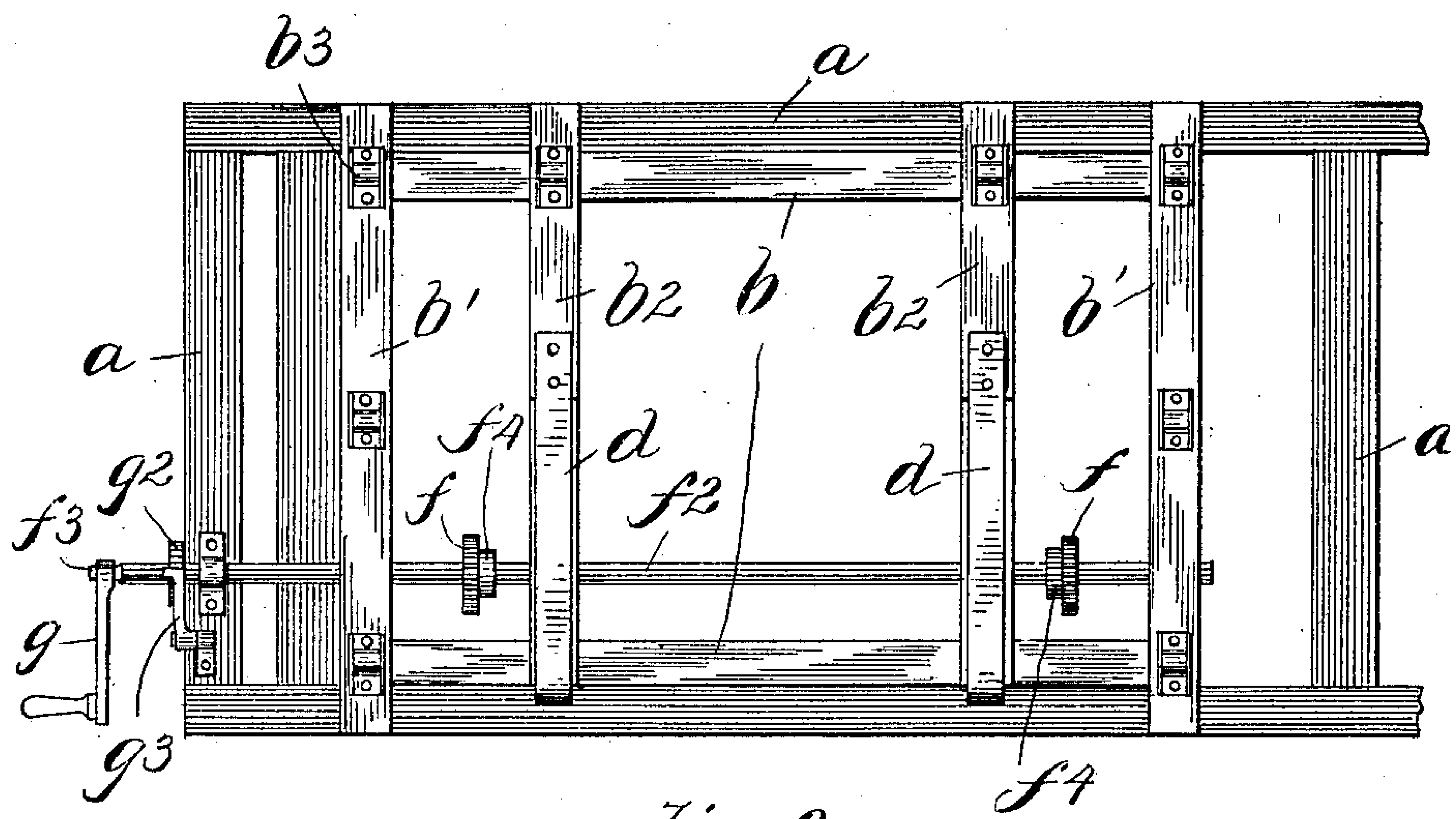

Fig. 2.

WITNESSES

INVENTOR

Samuel L. Greene

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 763,555. PATENTED JUNE 28, 1904.

S. L. GREENE.

PLATFORM WAGON.

APPLICATION FILED MAR. 15, 1904.

NO MODEL. 2 SHEETS—SHEET 2.

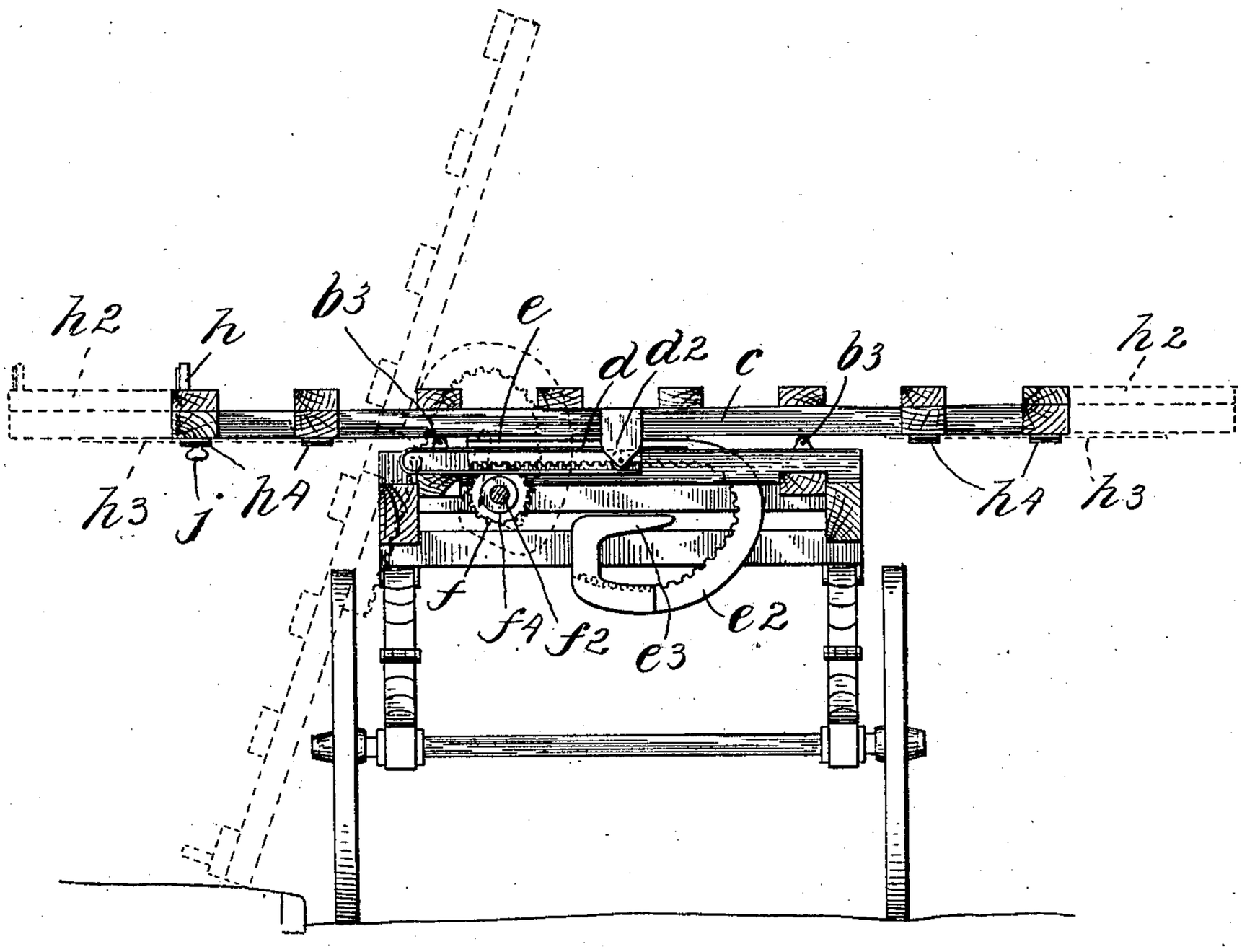

Fig. 3.

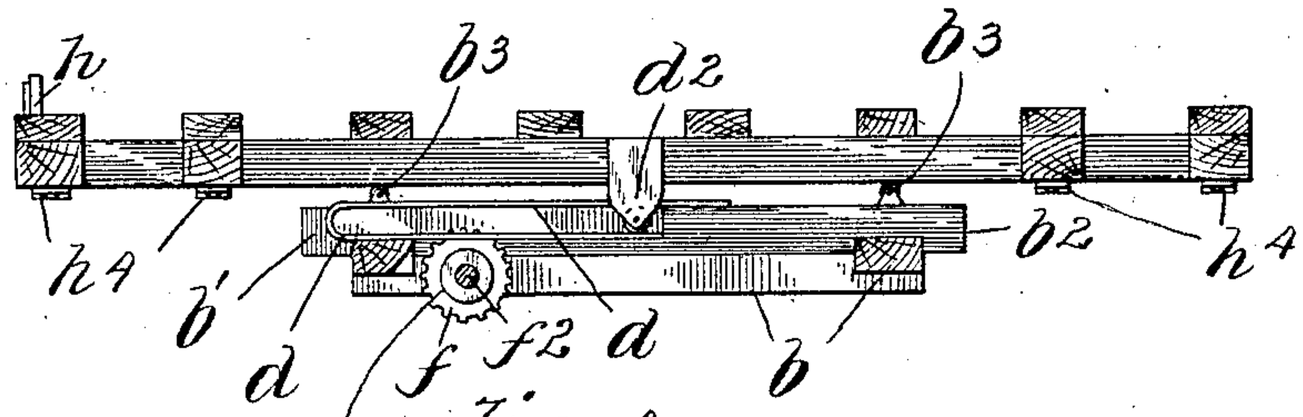

Fig. 4.

WITNESSES

A. S. Seegar

Jas. B. Greene

INVENTOR

Samuel L. Greene

No. 763,555. Patented June 28, 1904.

UNITED STATES PATENT OFFICE.

SAMUEL L. GREENE, OF NEW YORK, N. Y.

PLATFORM-WAGON.

SPECIFICATION forming part of Letters Patent No. 763,555, dated June 28, 1904.

Application filed March 15, 1904. Serial No. 198,190. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL L. GREENE, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Platform-Wagons, of which the following is a specification.

My invention relates to improvements in platform-wagons particularly adapted for carrying large plate-glass or other heavy sheet material which may be easily broken in handling.

The object of my invention is to provide a wagon of this character by the use of which the liability of breakage by handling in loading and unloading the wagon is reduced to a minimum. To accomplish this object, I provide a wagon with a movable or swinging platform, as illustrated in the accompanying drawings, in which—

Figure 1 is a side view of my improved wagon, showing the swinging platform in position upon the body of the wagon. Fig. 2 is a plan view of a part of the frame of the wagon having the swinging platform removed. Fig. 3 is a section taken on the line 3 3 of Fig. 1 looking in the direction indicated by the arrow, and Fig. 4 is a detail section.

In the practice of my invention I provide an ordinary wagon-body *a*, mounted upon wheels in the regulation manner, and to this body I secure a bed or frame *b*, provided with cross-pieces b' and b^2, to which are fastened rollers b^3. The said rollers b^3 are adapted to carry a sliding or swinging frame or platform *c*, which normally rests upon the top of the body of the wagon. To limit the sliding movement of the swinging frame, I provide the guides *d*, in which a roller connection d^2, secured to the swinging frame or platform, is adapted to engage. To the lower side of the swinging platform I attach a bar *e*, having a curved end e^2 and provided with gear-teeth upon its inner edge, which are adapted to engage a gear-wheel *f*. The said gear-wheel *f* is mounted upon a shaft f^2, which is in turn mounted upon the bed *b* and body of the wagon *a*. The outer end of the shaft f^2 is provided with a square end f^3, upon which a handle *g* is adapted to be attached to provide a means for turning the shaft to operate the gear and engaging geared bar. To guide the swinging platform in its movement and to keep the gear-wheel *f* in engagement with the gear on the bar *e*, I provide a guide e^3 or lip, which is adapted to engage the annular shoulder formation f^4 upon the gear-wheel *f*.

Near the end of the shaft f^2 and secured thereon I provide a ratchet-wheel g^2, and engaging with the said ratchet-wheel and attached to the body of the wagon is a locking-pawl g^3, which is employed in conjunction with the said ratchet-wheel to lock the parts to prevent the accidental displacement of the swinging platform.

Upon one side of the swinging platform *c* I provide a removable ledge or flange *h*, which acts to prevent the material upon the platform from sliding off when the same is swung downward.

When it is desired to carry a sheet of material wider than the width of the platform, side extensions h^2 (shown by dotted lines in Fig. 3) may be employed and attached to the platform by means of the tongues h^3, which are adapted to engage in the sockets h^4 upon the platform *c*. The side extension on one side may be locked to the platform by means of the thumb-screw *j*.

In the use of my invention the sheet-glass or other material is carried upon the platform *c* and is placed against the flange *h*, the said platform being tilted in the position shown by dotted lines in Fig. 3 while the platform is being loaded. When the glass has been loaded upon the platform, the same is swung back to the position shown by the full lines. When it is desired to remove a sheet of glass or other material upon the platform, the said platform is first swung or moved to its tilted position by means of the handle *g*, with which the shaft f^2 and gear-wheel *f* is turned.

The revolving gear-wheel *f* acts to move the bar *e* and platform to which the said bar is attached until the roller connection d^2 reaches the end of the guide *d*. At this point the gear *f* engages the turned end of the bar and begins to tilt the platform. The tilting

may be continued until any desired angle is reached or the end of the platform has touched the ground.

It is obvious that I may embody various modifications in the construction of my apparatus without departing from the spirit of my invention. I do not therefore wish to be understood as limiting myself to the particular construction shown and described.

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

1. In a wagon for carrying sheet-glass or other similar material, a body suitably mounted upon wheels, a sliding and swinging platform secured thereto, suitable mechanism for sliding and swinging the said platform, means for operating the said mechanism, and detachable side extensions adapted to be attached to the sides of the said platform, substantially as described.

2. In a wagon for carrying sheet-glass or other similar material, a body suitably mounted upon wheels, a sliding and swinging platform secured thereto, mechanism for sliding and swinging the said platform, guides adapted to limit the movement of the said platform, means for operating the said mechanism, and detachable side extensions adapted to be attached to the sides of the said platform, substantially as described.

3. In a wagon for conveying sheet-glass, or other similar material, a body suitably mounted upon wheels, a sliding and swinging platform secured thereto, a bar having a curved end and provided with gear-teeth secured to the said swinging platform, a gear-wheel adapted to engage the said bar to slide and swing the said platform, and detachable side extensions adapted to be attached to the side of the platform substantially as described.

4. In a wagon for conveying sheet-glass, or other similar material, a body suitably mounted upon wheels, a sliding and swinging platform secured thereto, a bar having a curved end and provided with gear-teeth secured to the said swinging platform, a gear-wheel adapted to engage with the teeth upon the said bar to swing the said platform, means for operating the said gear-wheel and detachable side extensions adapted to be attached to the side of the platform, substantially as described.

Signed at New York, in the county of New York and State of New York, this 10th day of March, A. D. 1904.

SAMUEL L. GREENE.

Witnesses:
S. S. SUGAR,
JAS. S. GREENE.