

A. V. SMITH.

Truck.

No. 73,397.

Patented Jan. 14, 1868.

Fig. 1.

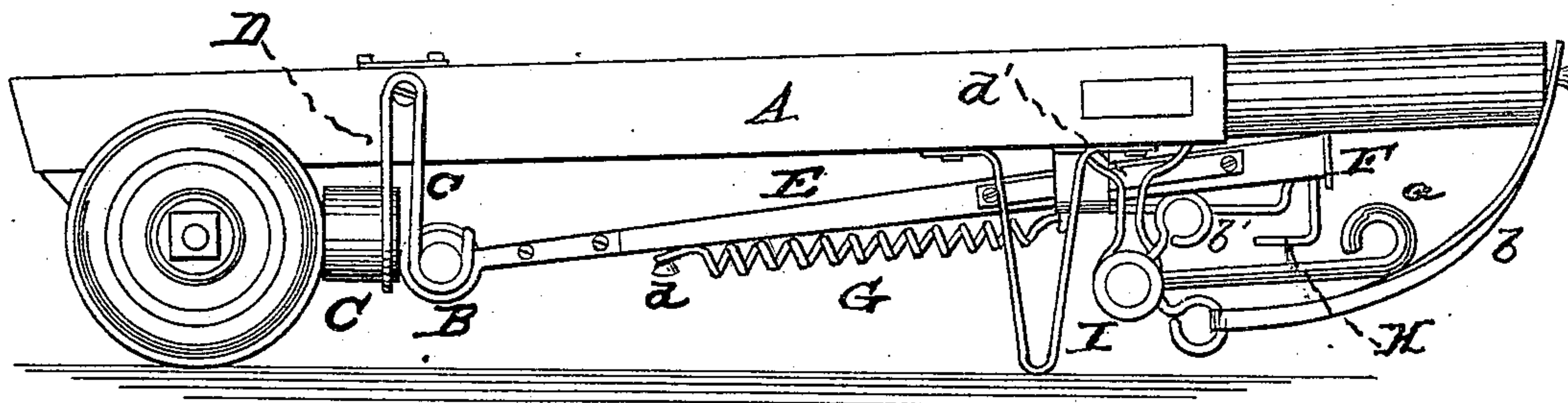
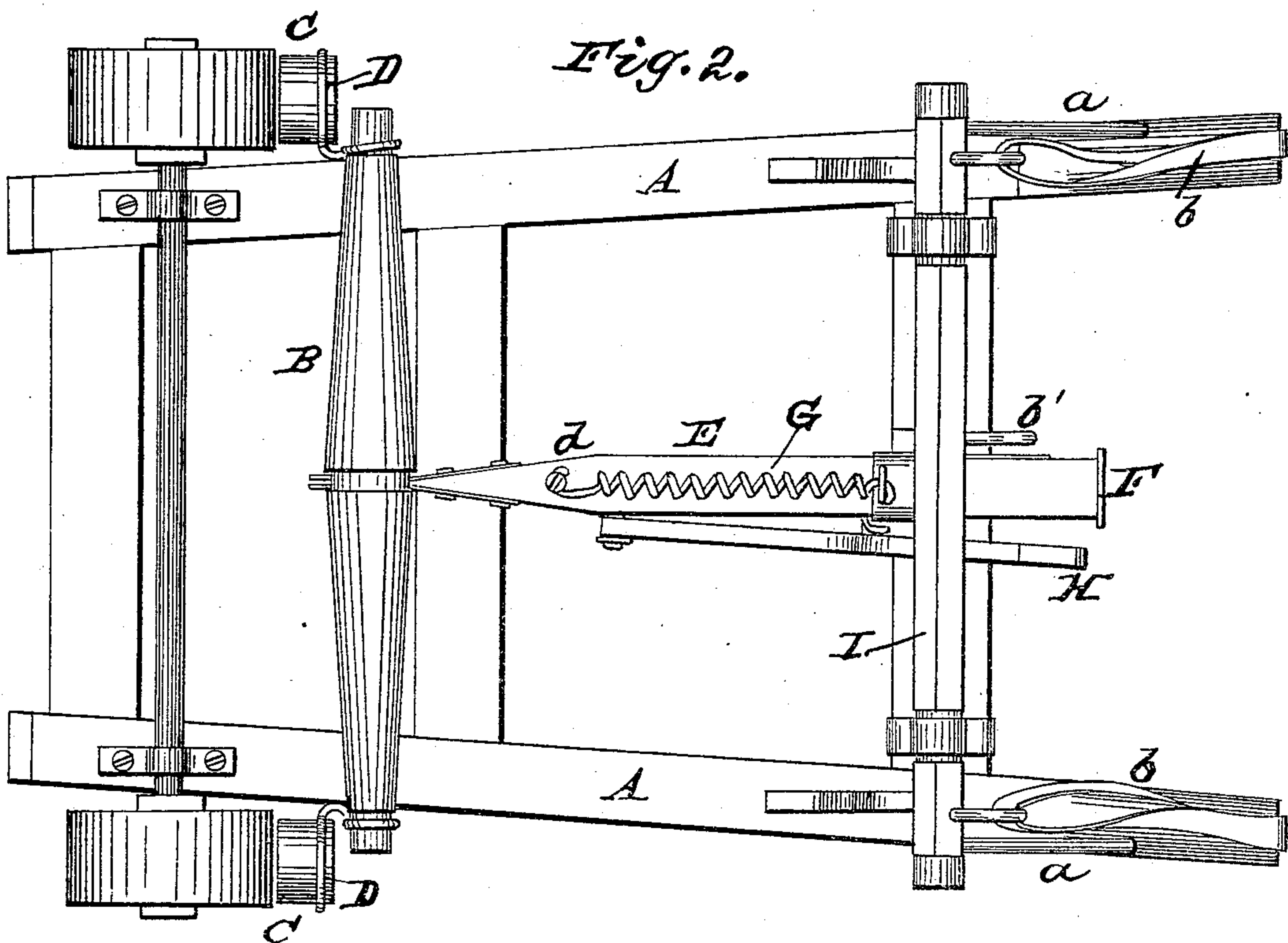


Fig. 2.



Witnesses.
C. W. Smith
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Inventor:
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ANDREW V. SMITH, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 73,397, dated January 14, 1868.

IMPROVEMENT IN STORE-TRUCKS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ANDREW V. SMITH, of San Francisco, county of San Francisco, State of California, have invented certain new and useful Improvements in Store-Trucks; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The nature of my invention is to provide an improved store-truck, so constructed that the wheels may be arrested, at the will of the truckman, while ascending or descending inclines.

In order to accomplish this object, I attach a roller transversely across the truck-frame back of the wheels. To each end of this roller is attached a brake. A brake-bar, with a spiral spring beneath it, is connected to the roller, passing up between the handles of the frame, on the end of which is placed a plate which works against the truckman, when he braces himself in going down inclines, and arrests the truck. A metal bar is attached to the side of the brake-bar, having a notch upon it which catches on a pin to keep the brakes in place against the wheels. Below the handles is placed a movable cross-bar, operated by the hands of the truckman, by means of arms and leather straps, which lowers the brake-bar when loading the truck or passing up inclines.

To more fully illustrate and describe my invention, reference is had to the accompanying drawings, and letters marked thereon, of which—

Figure 1 is a side elevation.

Figure 2 is a bottom view.

Similar letters of reference indicate like parts in each of the figures.

A represents a suitable truck-frame with wheels. Back of the wheels is placed transversely a roller, B. To each of the ends of this roller are attached brakes, C C, which may be of wood or any other suitable material. These brakes are held in place by metal wires or metal holders, D D, bent around the ends of the roller and brakes, forming springs, *c c*, for giving them elasticity. Beneath the frame, and connected to the roller B, is a brake-bar, E, to the upper end of which is attached a plate, F. A spiral spring, G, is placed beneath the brake-bar, one end of which is attached to the cross-bar of the frame by a band, through which the bar plays; the other end is fastened to the bar by a pin, *d*. To one side of the brake-bar is attached a thin metal arm, H, by a pin and washer. This strip is bent near the inside, forming a projection, which catches on a pin upon the inner side of the upper cross-piece of the frame, which sets the brakes against the wheels of the truck, while the opposite end forms a convenient handle within easy reach of the truckman. As an auxiliary to the brake-bar, a cross-bar, I, is placed transversely above the legs, attached loosely by bands to the upper cross-piece of the frame. To the ends of this bar are attached curved handles, *a a*, and near them leather straps, *b b*, the ends of which are fastened to the ends of the truck-handles. A ring, *b'*, is also placed in the cross-bar I, near the centre of it, which engages a projection, *d'*, on the brake-bar, when the cross-bar I is turned or drawn up by the handles and leather straps.

In going down an incline the truck can be arrested by the brake-bar, by the truckman pressing back against it, and in passing up inclines, by the curved handles *a a* and leather straps *b b*, by pressing them up with the hands, thus saving at least the aid of extra hands, in passing down incline planes, when the truck is loaded heavily. Also, the wheels can be set, in loading the truck, so that it will not roll back.

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

1. The roller B, brake-bar E, brakes C C, holders D D, metal arm H, and springs *c c*, when applied to store-trucks, substantially as described, for the purpose specified.
2. The cross-bar I, handles *a a*, straps *b b*, ring *b'*, when arranged and operated substantially as described, for the purposes specified.

In witness whereof, I have hereunto set my hand and seal.

ANDREW V. SMITH. [L. s.]

Witnesses:

C. W. M. SMITH,

J. L. BOONE.