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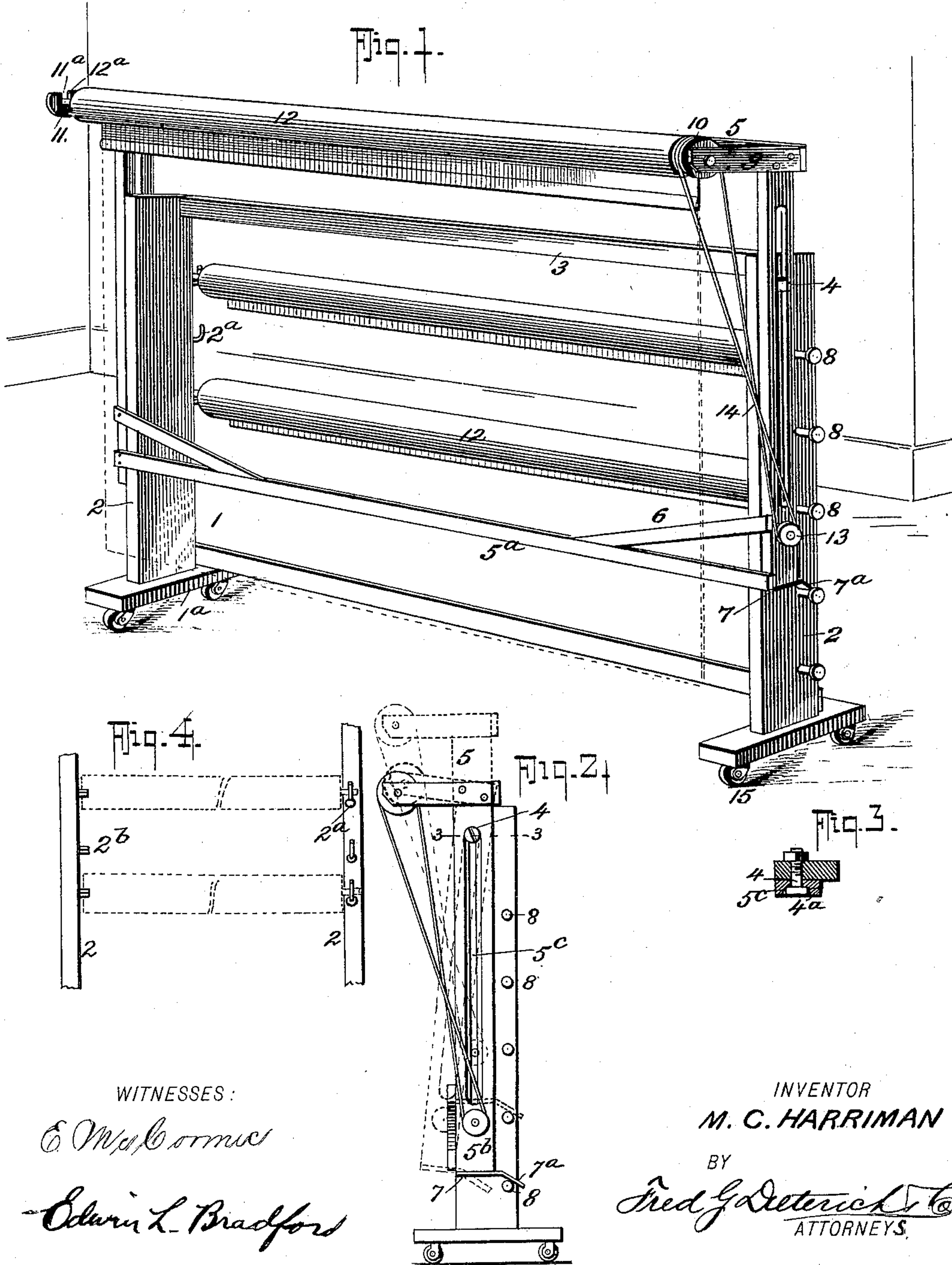
Patented Sept. 13, 1898.

M. C. HARRIMAN.  
PHOTOGRAPHIC BACKGROUND CARRIER.

(Application filed Feb. 3, 1898.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

*E. M. McCormick*

*Edwin L. Bradford*

INVENTOR

**M. C. HARRIMAN**

BY

*Fred G. Deterick & Co.*  
ATTORNEYS.

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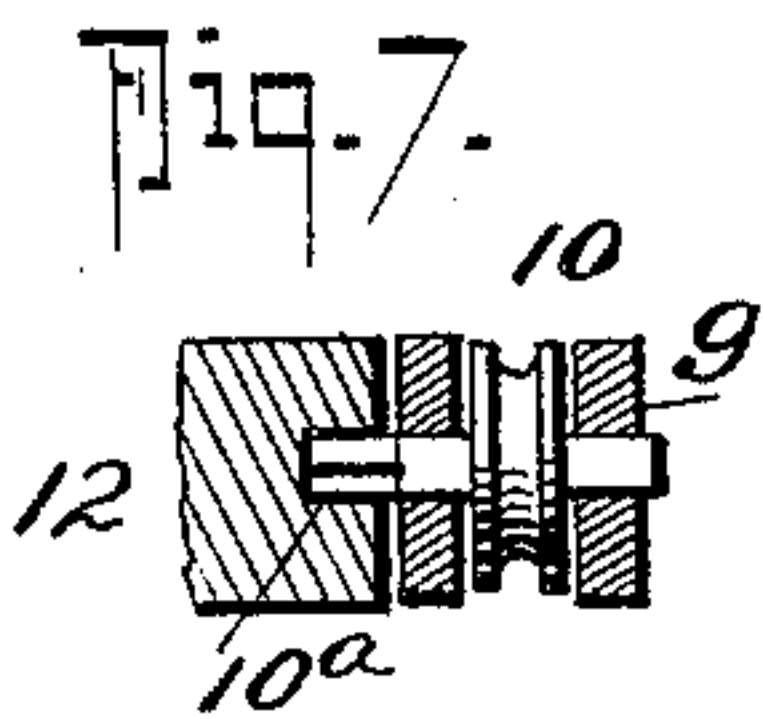
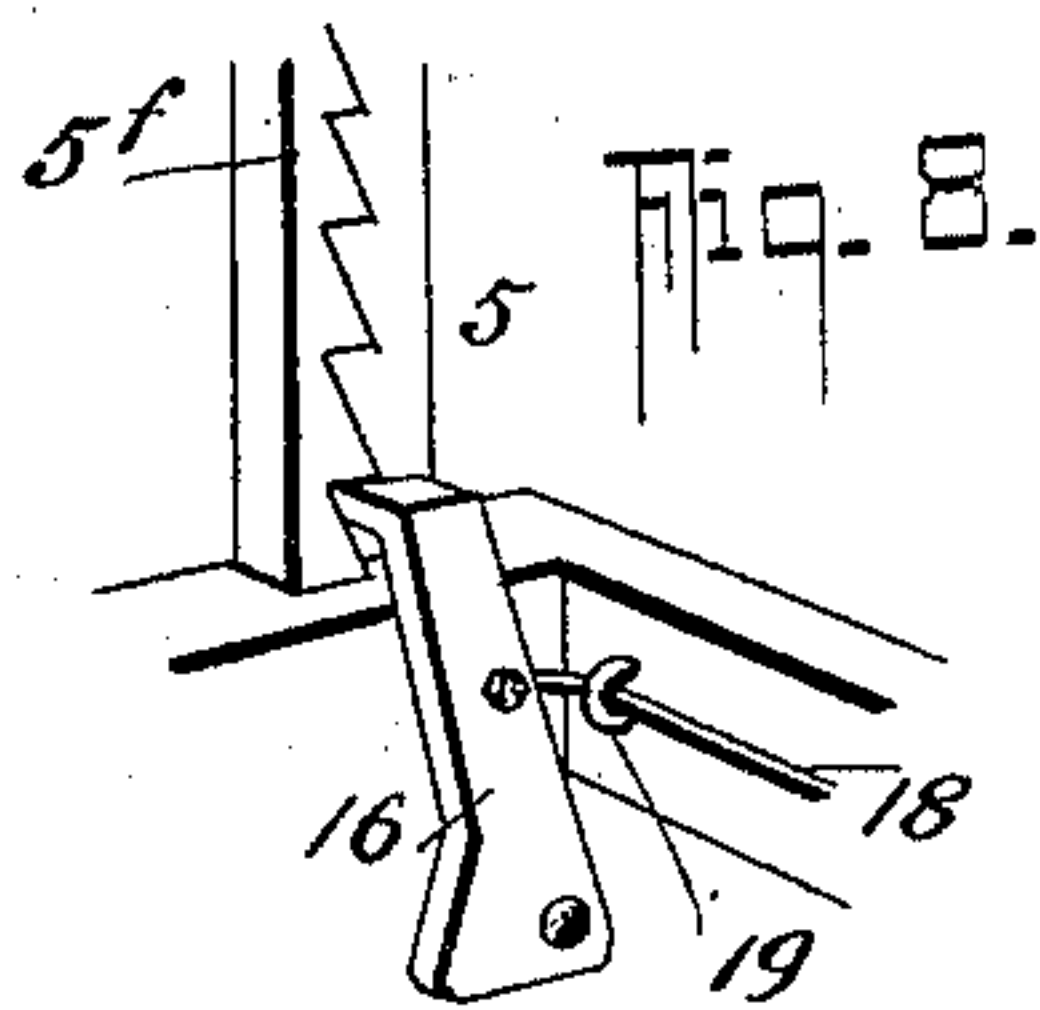
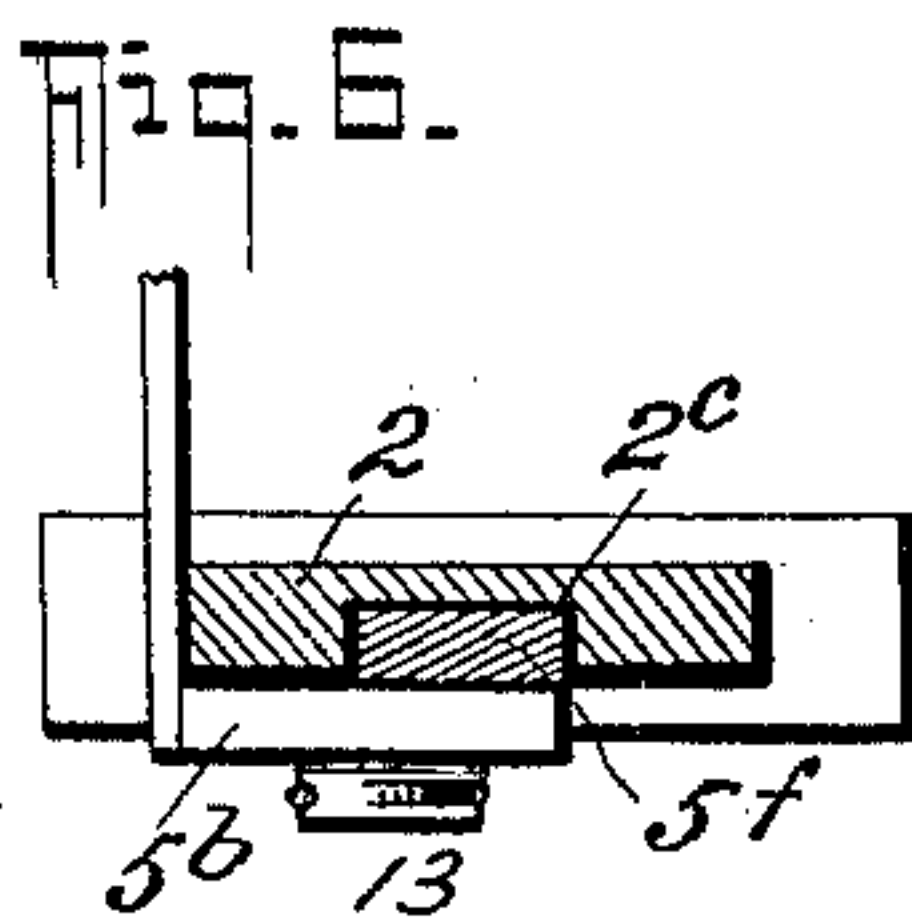
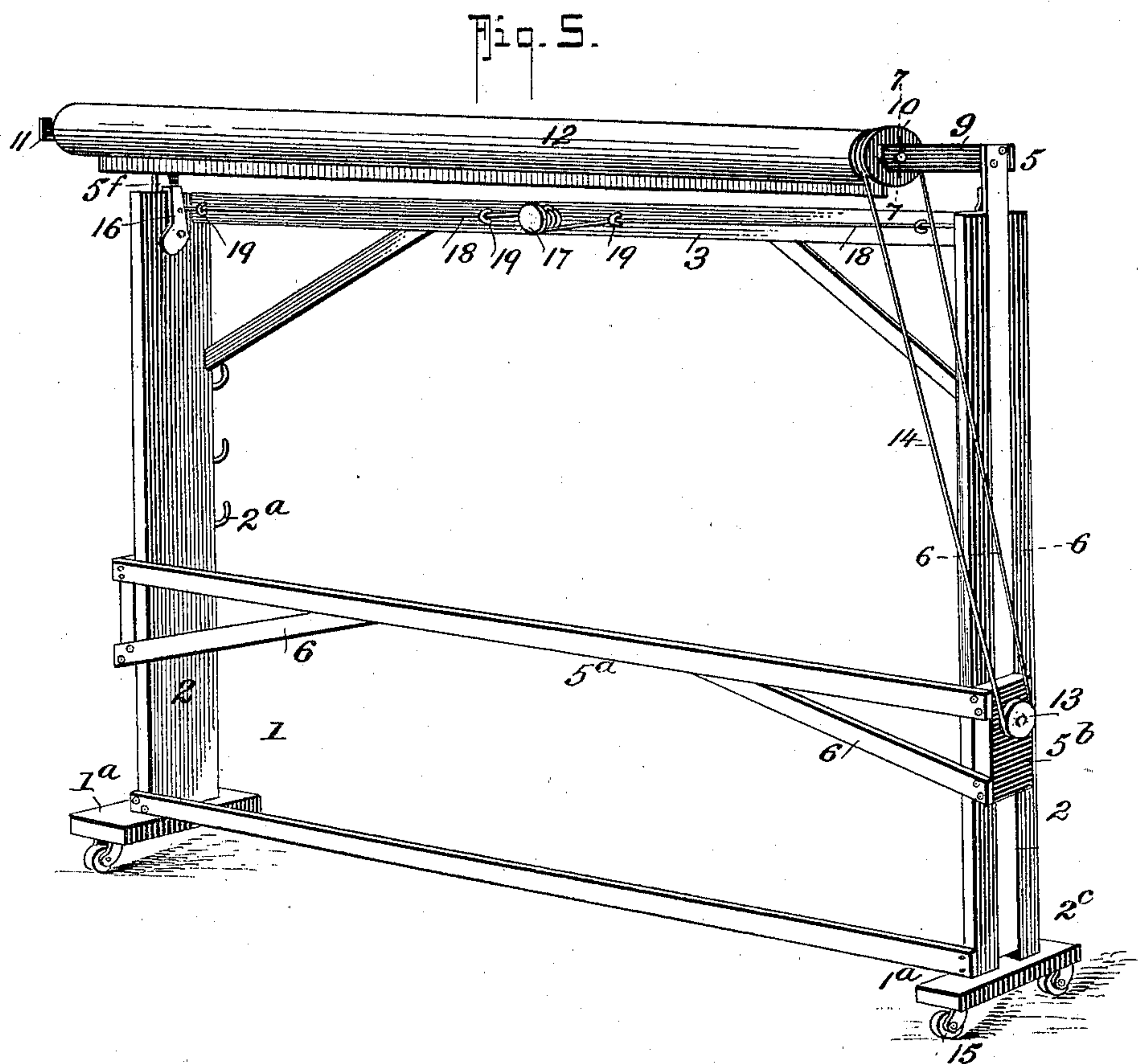
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WITNESSES :

Edwin L. Bradford

INVENTOR

*M.C.HARRIMAN*

BY

*Fred G. Breterich & Co.*  
ATTORNEYS

ATTORNEYS



# UNITED STATES PATENT OFFICE.

MOSES C. HARRIMAN, OF CHEBOYGAN, MICHIGAN.

## PHOTOGRAPHIC-BACKGROUND CARRIER.

SPECIFICATION forming part of Letters Patent No. 610,808, dated September 13, 1898.

Application filed February 3, 1898. Serial No. 668,987. (No model.)

*To all whom it may concern:*

Be it known that I, MOSES C. HARRIMAN, residing at Cheboygan, in the county of Cheboygan and State of Michigan, have invented a new and Improved Background-Carrier, of which the following is a specification.

This invention relates to improvements in the class of photographic-studio accessories; and it has for its object to provide a background-carrier of a very simple and economical construction which can be easily manipulated and which will effectively serve for its intended purposes.

This invention also comprehends a novel construction of background-carrier having means for detachably holding the background curtain or roll and simple means for elevating such roll-supporting devices without disconnecting the several parts and the employment of set-screws or like binding devices.

With other minor objects in view the invention consists in the peculiar combination and novel arrangement of parts, such as will be first described in detail and then be specifically pointed out in the appended claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the preferred form of my improvement. Fig. 2 is an end elevation, the curtain-roll-supporting member being shown swung out of engagement with the rest member and raised to an elevated position in dotted lines. Fig. 3 is a horizontal section taken on the line 3 3 of Fig. 1. Fig. 4 is a view illustrating the manner of supporting the supplemental or extra background-rolls. Fig. 5 is a perspective view of a modified arrangement of my improvement. Fig. 6 is a horizontal section of the same on the line 6 6 of Fig. 4. Fig. 7 is a detail section on the line 7 7 of Fig. 5, and Fig. 8 is a detail view of the modified form of detent devices hereinafter referred to.

In its general construction my improvement comprises a base or supporting frame, a supplemental frame slidably mounted on the base-frame, having means for detachably holding the background or curtain roll, such means also including devices movable bodily with the sliding frame for winding or unwinding the curtain or background roll.

In the preferred construction, as illustrated on Sheet 1 of the drawings, my improvement consists of a main supporting-frame 1, having base or rest members 1<sup>a</sup> and vertical ends 2, connected near the top by the transverse bar 3. The end members 2 each have on their outer side, near the top, a projecting screw or stud 4.

5 indicates a combined curtain supporting and elevating frame, consisting of the bottom cross-bar 5<sup>a</sup>, secured at the ends to the vertically-disposed end bars 5<sup>b</sup>, which are braced by the diagonal strips 6 and which have elongated slots 5<sup>c</sup>. The frame 5 is hung and held to slide on the screw-studs 4, which by reason of their beveled heads engaging the beveled edges 5<sup>d</sup> of the slots serve to hold the ends 5<sup>b</sup> from becoming disconnected with the ends of the main frame. The slide-frame 5 is adjustably held in its vertically-shifted position by bracket-irons 7, secured to the lower ends of the slides 5<sup>b</sup>, which have downwardly-inclined bracket ends 7<sup>a</sup>, adapted to seat on any one of a series of studs 8, forming stops and projected outward from the ends of the main frame, as shown.

So far as described it will be manifestly clear that by swinging the slide-frame 5 outward to clear the studs 8 it can be readily shifted up or down to such height as may be found desirable and necessary to obtain the best background results. By inclining the bracket ends of the irons 7, as shown, they will pass the studs 8 should they engage same as the frame 5 is being elevated. Thus by pivotally hanging the frame in the manner shown it can be almost instantly swung out and raised or lowered to the position desired and there held without disconnecting any of the parts or requiring binding or like devices.

The top of one of the ends 5<sup>b</sup> of the frame 5 has a forwardly-extending bifurcated bracket 9, in the front end of which is journaled a drive-pulley 10, the inner end of its stub-axle being non-circular, as shown at 10<sup>a</sup>. The other end piece 5<sup>b</sup> has a bracket 11, having a socket 11<sup>a</sup> to receive the pintle 12<sup>a</sup>, projected from one end of the background or curtain roll 12, the other end of which has a non-circular socket to fit the axle end 10<sup>a</sup> of the pulley 10.

13 indicates a small pulley secured to the



lower portion of the end 5<sup>b</sup>, carrying the pulley 10, and 14 an endless band connecting the two pulleys 10 and 13.

By supporting the scenic-curtain (background) roll on a frame slidably supported on the main frame and carrying the curtain-roll-operating devices with it it follows that the several parts can be economically and compactly constructed and so arranged that the curtain-roll can be quickly adjusted by manipulating the band 14 to set the "scenic" to the portions described.

By fixedly connecting the pulley 10 and projecting its axle at one side the roll-operating devices remain intact when the roll is detached or a new one set in position.

To provide for carrying a number of interchangeable rolls, the rear face of one of the ends 2 has seat-hooks 2<sup>a</sup> for the pintles of such rolls, while the opposite end has inwardly-projecting non-circular studs 2<sup>b</sup> to fit the sockets in the said rolls. The main frame is mounted on casters 15.

Instead of supporting the roll-frame on the main frame, as above described and shown in Figs. 1 and 2, such frame may have its ends 5<sup>b</sup> made of a reduced width to fit grooves 2<sup>c</sup> in the ends 2, as shown in Figs. 5 and 6, the bottom of such ends being also connected by a cross brace or bar. When this form of sliding connection is used, a modified form of detent device for holding the frame to its adjusted positions is also employed in the nature of a gravity plate or latch 16, having a projection adapted to automatically move into a locked engagement with any one of a series of notches or teeth 5<sup>f</sup> in the members 5<sup>b</sup> when the roller-frame is elevated. To provide for releasing such latches when lowering the said roll-frame, a turn-button 17 is mounted on the cross-bar 3 of the main frame, to which a pull-cord 18 is connected, the ends of which pass through guides 19 and connect with the opposite latches 16. In the operation of this form of my improvement to elevate the background upward pressure is applied to the lower cross-bar of the sliding frame, which is automatically locked to its elevated position. To lower such frame, the button 17 is turned to pull the latches from engagement with the ends 5<sup>b</sup>, when it (the frame) will drop by gravity.

By arranging the parts as shown they can be compactly assembled when not in use.

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

1. A background-carrier, comprising a main frame composed of a base and vertical end members; a vertically-movable supplemental frame consisting of end bars slidably mounted on the outer faces of the end members of the main frame, the connecting portions arranged to slide on the front edges of said end members, and the horizontal brackets projecting forward from the end bars and provided with bearings, a curtain-roller mounted in said bearings and provided at one end with a pulley, the pulley 13 mounted on the exterior of one of the end bars, and a belt connecting the pulleys, substantially as described.

2. A background-carrier, comprising a main frame; a supplemental curtain-carrying frame sliding and pivotally connected with the main frame, and means for securing the supplemental frame at the desired adjustment, substantially as described.

3. A background-carrier, comprising a main frame provided with a vertical series of stops arranged at intervals, and a vertically-adjustable curtain-carrying frame slidably mounted on the main frame and capable of a pivotal movement, whereby it is adapted to swing into and out of engagement with the stops to adjust it to the desired elevation, substantially as described.

4. A background-carrier, comprising a main frame having vertical end members, stops arranged at intervals thereon, pivots mounted on the upper portions of the end members, the vertically-adjustable supplemental curtain-carrying frame, having longitudinally-slotted end bars receiving the pivots and adapted to swing thereon, and the brackets mounted on the lower ends of the end bars and engaging the stops and adapted to be carried into and out of such engagement by the swinging of the supplemental frame, substantially as described.

MOSES C. HARRIMAN.

Witnesses:

C. S. REILLEY,  
E. N. GARDNER.