

No. 715,590.

Patented Dec. 9, 1902.

W. J. LE BRET.  
SCAFFOLD SUPPORT.

(Application filed Feb. 15, 1902.)

(No Model.)

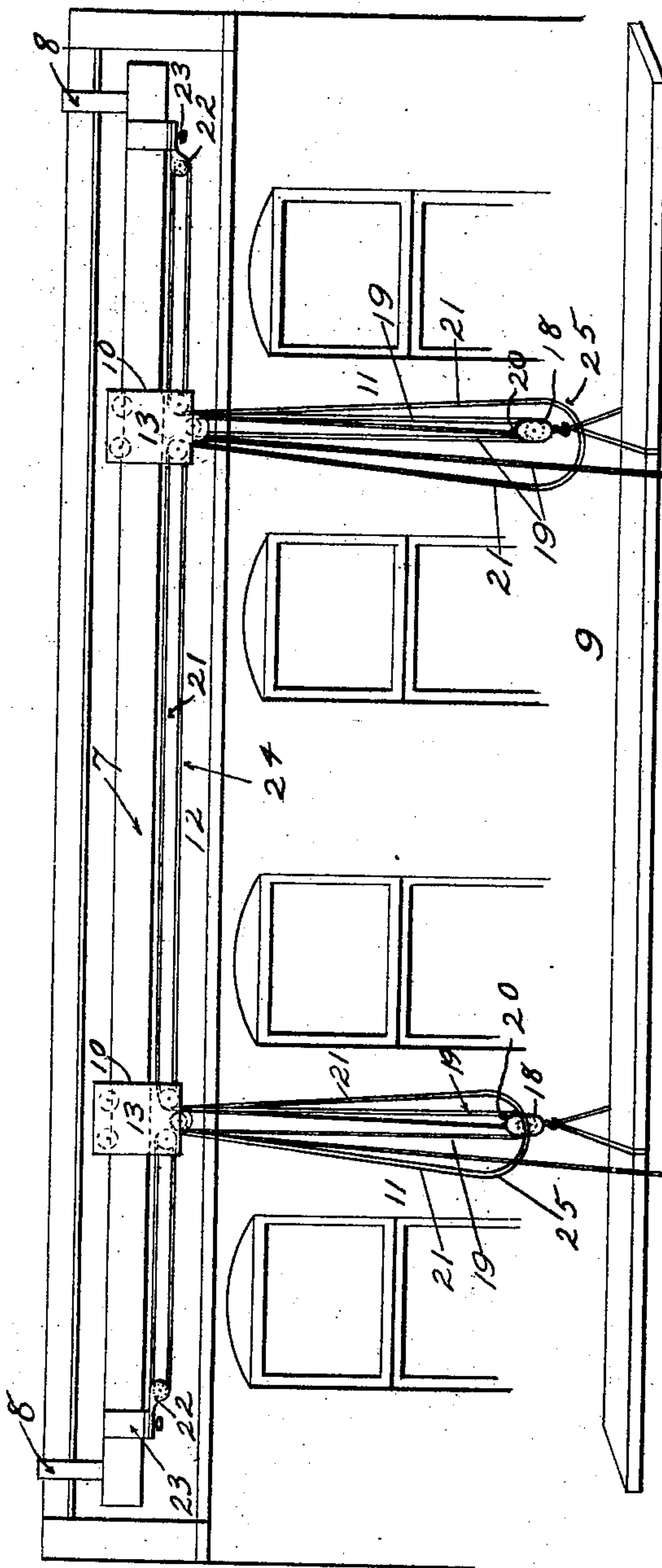


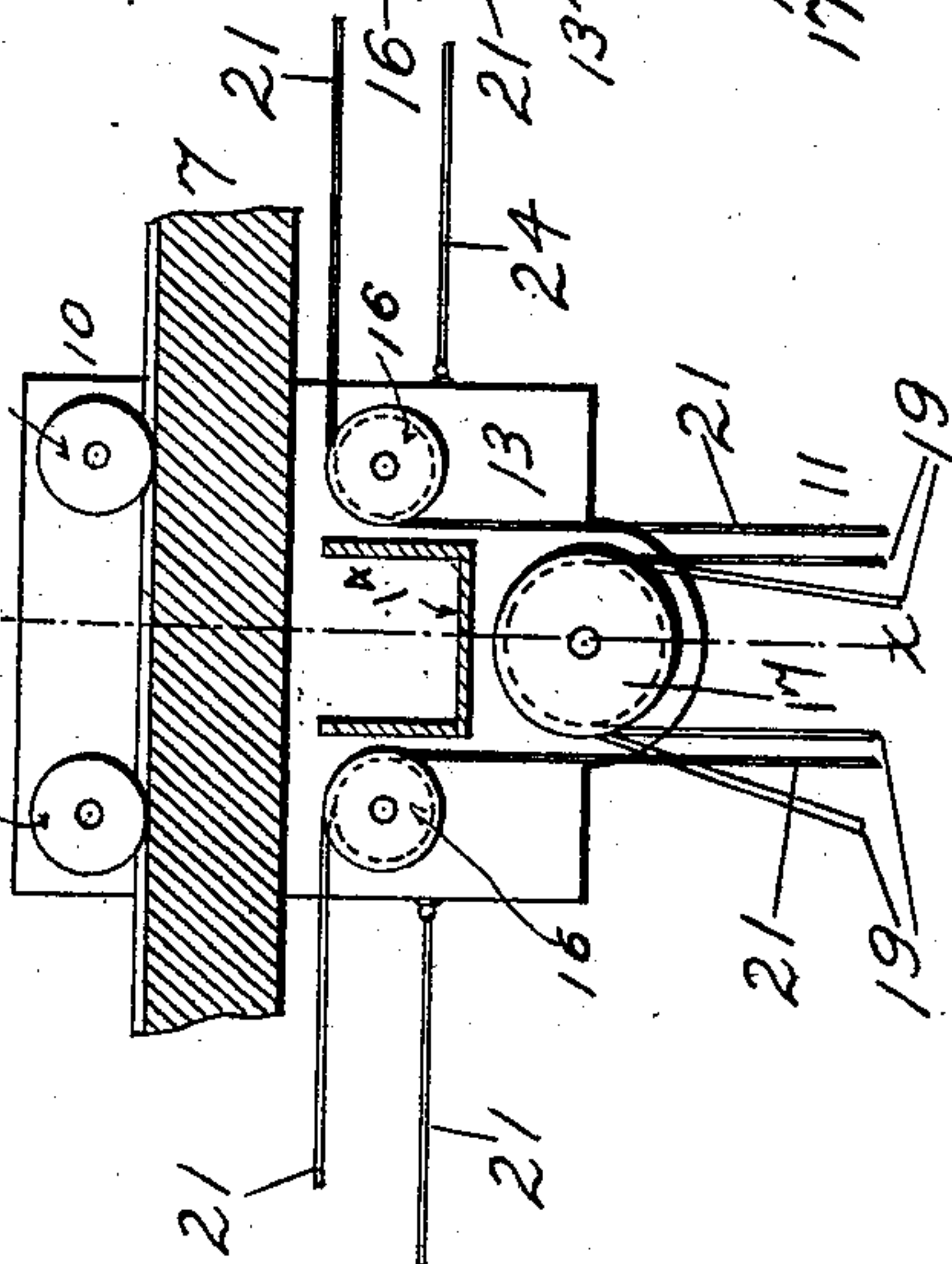
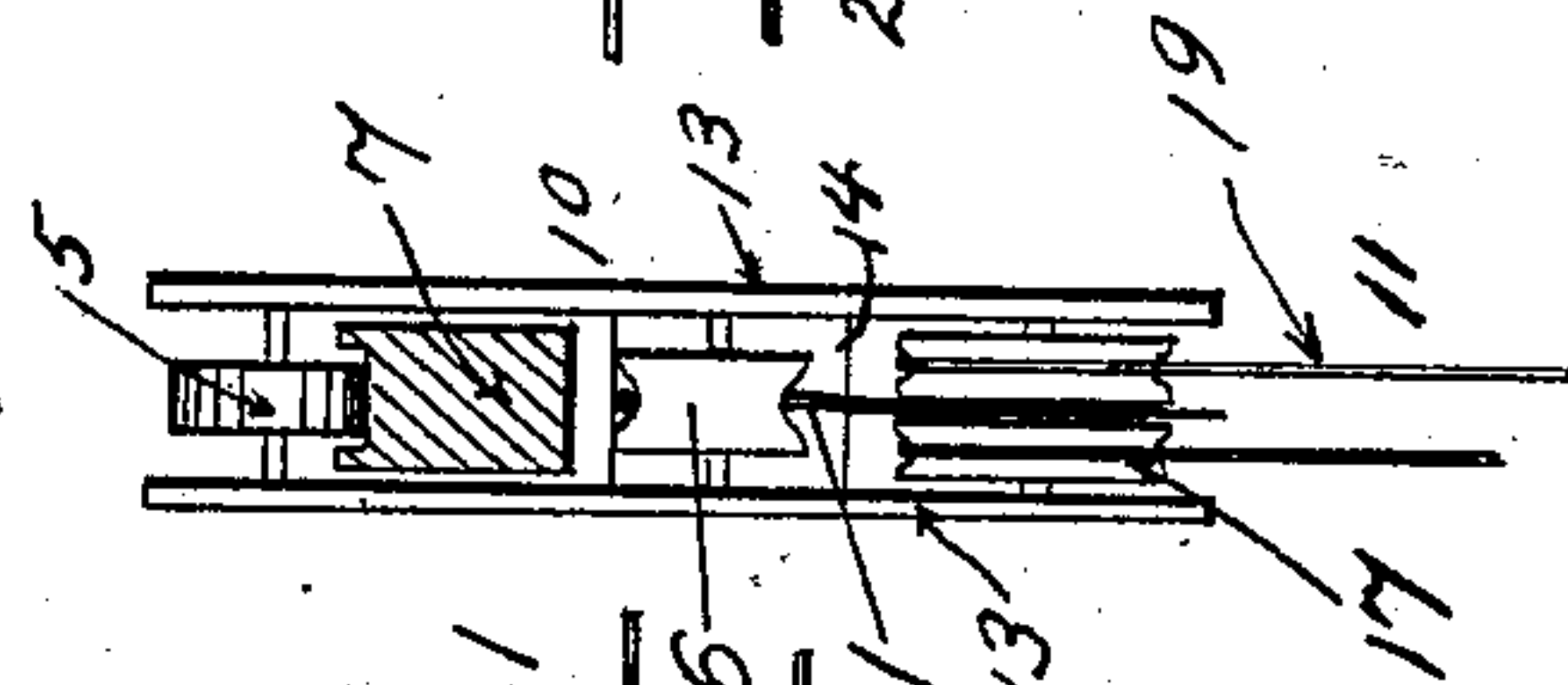
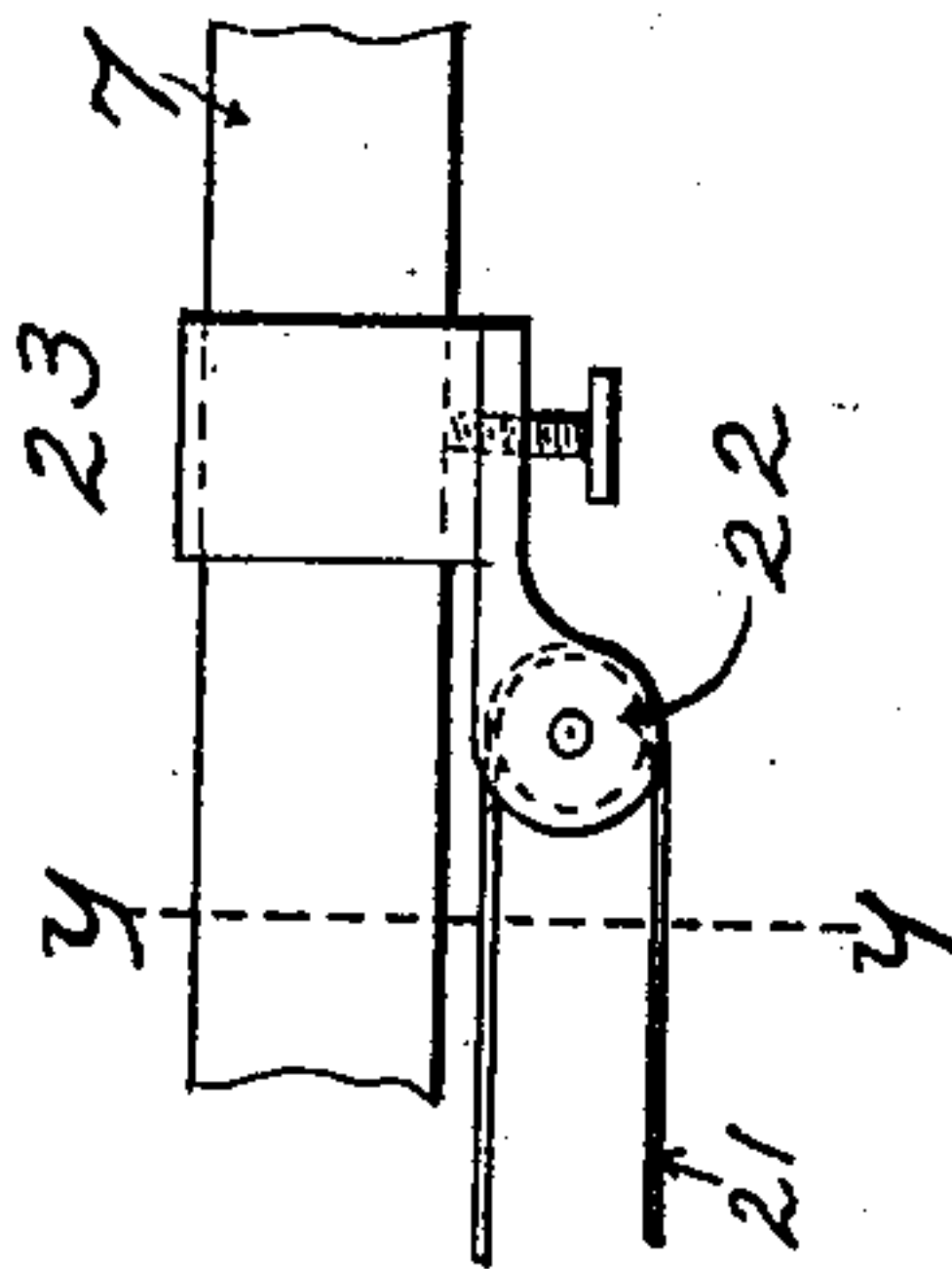
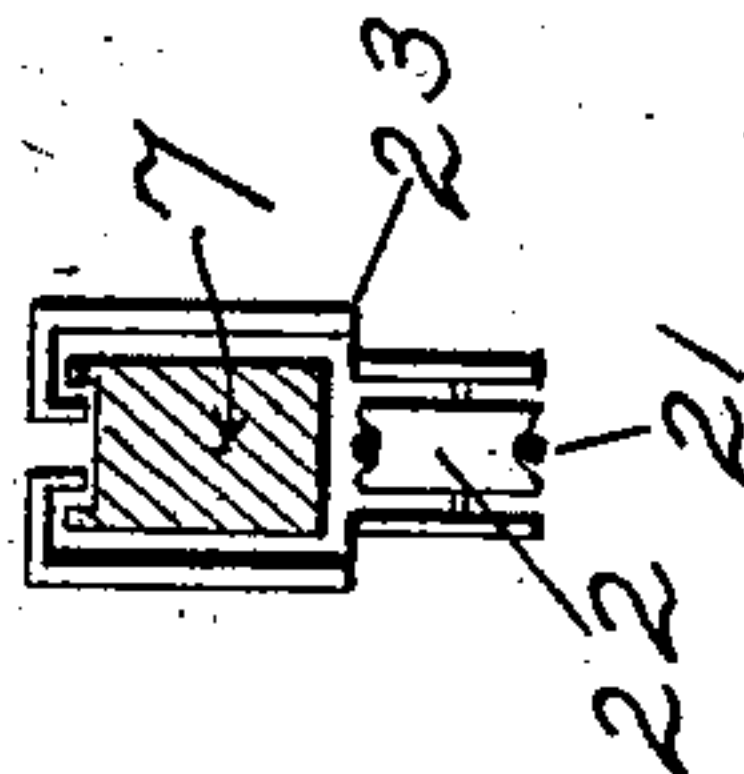
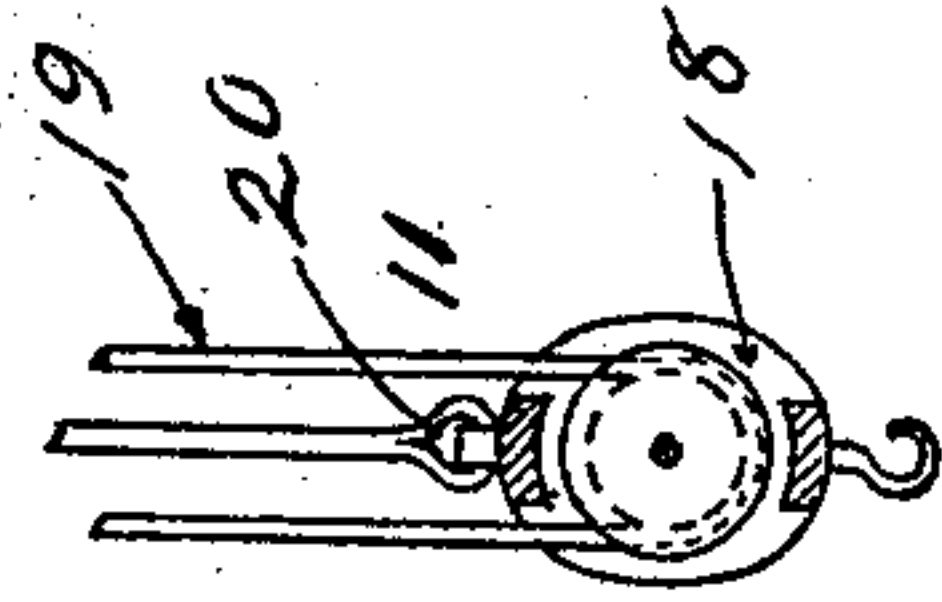
Fig. 1.

Fig. 5.

Fig. 4.

Fig. 3.

Fig. 2.



WITNESSES

L. A. Stewart  
H. F. Keller.

BY

INVENTOR

William J. LeBret

Edgar Sales & Co

ATTORNEYS



# UNITED STATES PATENT OFFICE.

WILLIAM J. LE BRET, OF BROOKLYN, NEW YORK.

## SCAFFOLD-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 715,590, dated December 9, 1902.

Application filed February 15, 1902. Serial No. 94,160. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM J. LE BRET, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Scaffold-Supports, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved support for a scaffold, chair, or other device which will permit of the convenient adjustment of the scaffold, chair, or other device in a lateral as well as vertical direction and which will be simple and inexpensive in construction and which will be generally superior in point of efficiency and practicability.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a partial front elevation of a building, illustrating my improved scaffold-support in operative position; Fig. 2, a detail vertical sectional view taken longitudinally through a particular feature of the improved construction; Fig. 3, a detail transverse sectional view, parts being shown in full upon the line *xx* of Fig. 2; Fig. 4, a detail fragmentary view of a portion of the improved construction; Fig. 5, a detail sectional view taken upon the line *yy* of Fig. 4, and Fig. 6 a detail side view of a further feature of the improved scaffold-support.

Corresponding parts in all the figures are denoted by the same reference characters.

Referring to the drawings, my improved scaffold-support embodies a main support 7, which is adapted for connection with the structure with respect to which the scaffold proper is desired to be used and which may consist of a rigid beam or bar provided at its ends with hooks or suitable devices 8. In operative position the main support or bar extends horizontally across the face of the building or other structure, as illustrated in Fig. 1.

The scaffold or other device 9 is directly suspended from a carriage or carriages 10, movably mounted upon the main support 7, and such suspension may be effected by means of a block-and-tackle connection 11.

Lateral adjustment means 12 are connected

with the main support 7 and with the carriage or carriages 10, and the same are disposed in position for convenient operation by the occupant or occupants of the scaffold 9.

In the preferred form of construction each of the carriages 10 consists of opposite side plates 13, which embrace between them the main support 7 and are connected in opposed relation by a web or wall 14. Rollers 15 are supported between the tops of the side plates 13, and the carriage or carriages 10 are thereby movably supported upon the main support 7. The lateral adjustment means 12 embody two pulleys 16 16, which are supported between the side plates 13 in the same horizontal plane, and said pulleys occupy a position beneath the main support 7. The block-and-tackle connection 11, one of which is provided for each carriage 10, embodies a double pulley 17, which is supported between the side plates 13 in a horizontal plane beneath that of the pulleys 16. Each of the block-and-tackle connections 11 also embodies a single block 18, connected with the scaffold 9, and a rope or cable 19 is connected at one end with said double block 18, as at 20, and is thence passed about the double pulley 17, thence about the single block 18, thence again about the double pulley 17, and is thence extended into convenient position for use. The lateral adjustment means 12 further embodies a rope or cable 21, which is movably connected with the main support 7 and both movably and fixedly connected with the carriage or carriages 10. Said cable 21 passes about pulleys 22, which are adjustably secured to the main support, adjacent the ends of the same, by clamps 23. The ends of the cable 21 are connected in the use of two of the carriages 10 with said carriages, respectively, and said carriages are connected in spaced relation by a separate cable length 24. The cable 21, the cable length 24, and the carriages 10 will thus complete a continuous operative unit, and by drawing upon the cable 21 the carriages may be advanced or retracted laterally upon the main support 7. To bring the cable 21 into convenient position for manipulation by the occupant of the scaffold 9, the cable 21 is looped, as at 25, through each of the carriages 10, over the pulleys 16 of the same, and down and around and beneath the pulleys 17



of the respective carriages. The free end of the ropes or cables 19 of the block-and-tackle connections 11 and the loops 25 of the rope or cable 21 thus extend into juxtaposition for convenient manipulation by the occupant of the scaffold.

The operation and advantages of my improved scaffold-support will be readily understood. By means of the block-and-tackle connections 11 the scaffold 9 may be readily raised or lowered, and by means of the lateral adjustment means 12, either or both of the loops 25 being manipulated, the scaffold may be readily moved from side to side across to the face of the building, according to the desired working position.

The entire device is simple and relatively inexpensive in construction and convenient and safe in use and may be readily installed for use and transported from place to place.

I do not desire to be understood as limiting myself to the specific construction and arrangement of parts as herein specified, but reserve the right to vary the same in adapting the device to varying conditions for use without departing from the spirit of my invention and the terms of the following claims.

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

1. An improved scaffold-support, comprising a main support adapted for connection with a building or other structure, a carriage movably mounted upon said main support, means for suspending the scaffold proper from said carriage, and means for moving said carriage upon said main support; said last-named means consisting of a free-running rope or cable which is loosely connected with said main support at points adjacent the opposite ends of the same and the ends of which rope or cable are connected with said carriage; said carriage being provided with roller-supports which rest upon said main support and being also provided with pulleys over which said rope or cable is passed and

from which said rope or cable depends in a loop arranged for operative manipulation.

2. An improved scaffold-support, comprising a main support adapted for connection with a building or other structure, a carriage movably mounted upon said main support, means for suspending the scaffold proper from said carriage and means for operating said carriage upon the said main support, said carriage consisting of side plates which embrace said main support; support-rollers arranged between said side plates and resting upon said main support, and a plurality of pulleys arranged between said side plates and beneath said main support; said means for suspending the scaffold proper from said carriage consisting of a block-and-tackle connection which operates in connection with one of said pulleys between said side plates, and said means for moving said carriage consisting of a free-running rope or cable which is loosely supported by said main support at points adjacent the ends of the same which is connected at its ends with said carriage, and which is passed about the threads of said pulleys between said side plates and depends therefrom in a loop arranged for manipulation of said rope or cable to move said carriage.

3. In an apparatus of the class described, a carriage consisting of suitably-connected front and back plates, two supporting-wheels mounted in the top thereof and in the same horizontal plane, two pulleys mounted below said supporting-wheels and in the same horizontal plane, and a double pulley mounted beneath the last-named pulleys, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 7th day of February, 1902.

WILLIAM J. LE BRET.

Witnesses:

EUSTACE G. HERBERT,  
WILLIAM STURROCK, Jr.