

No. 860,256.

PATENTED JULY 16, 1907.

H. SKREBERG.
ELEVATED CARRIER.
APPLICATION FILED MAR. 15, 1907.

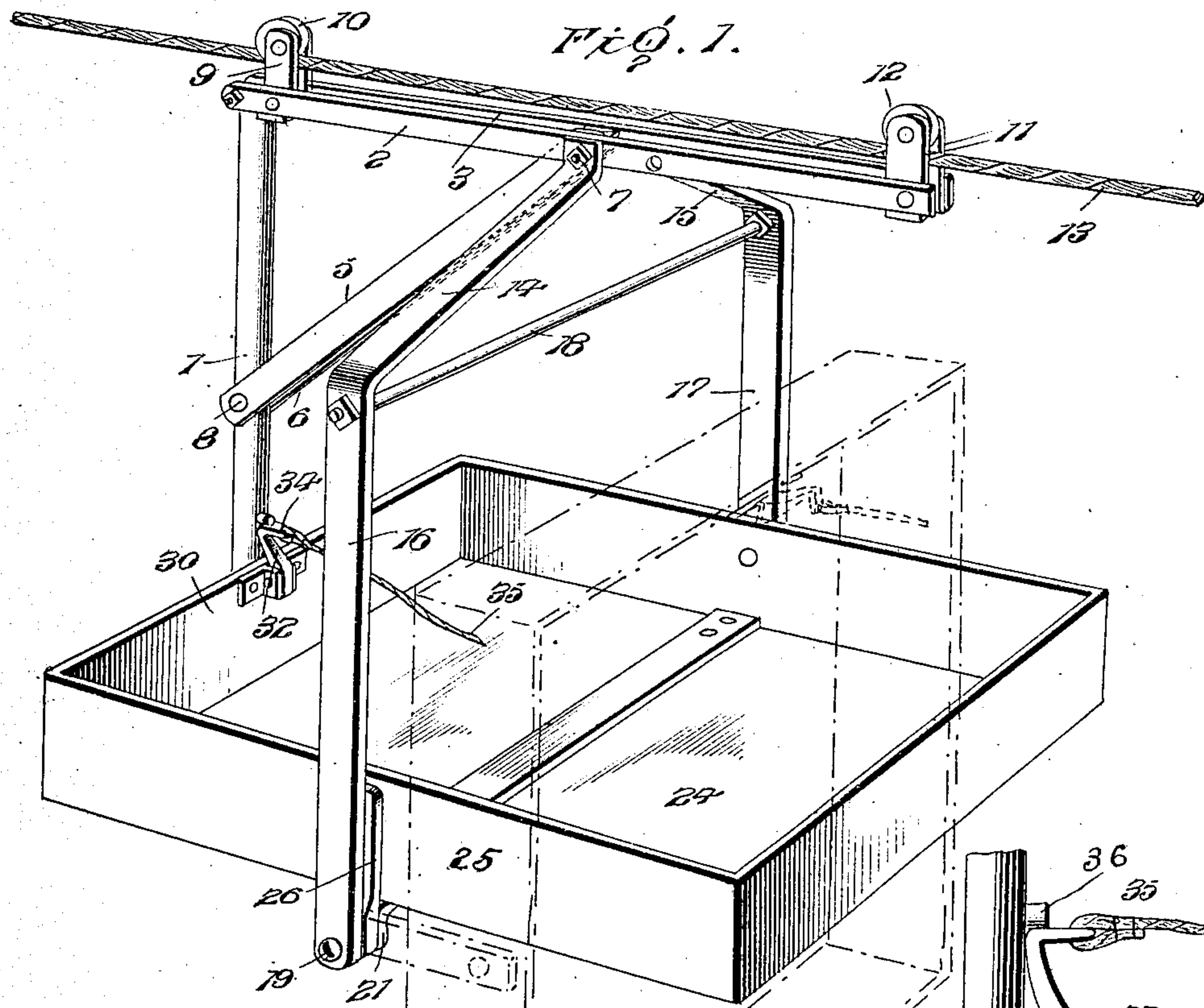
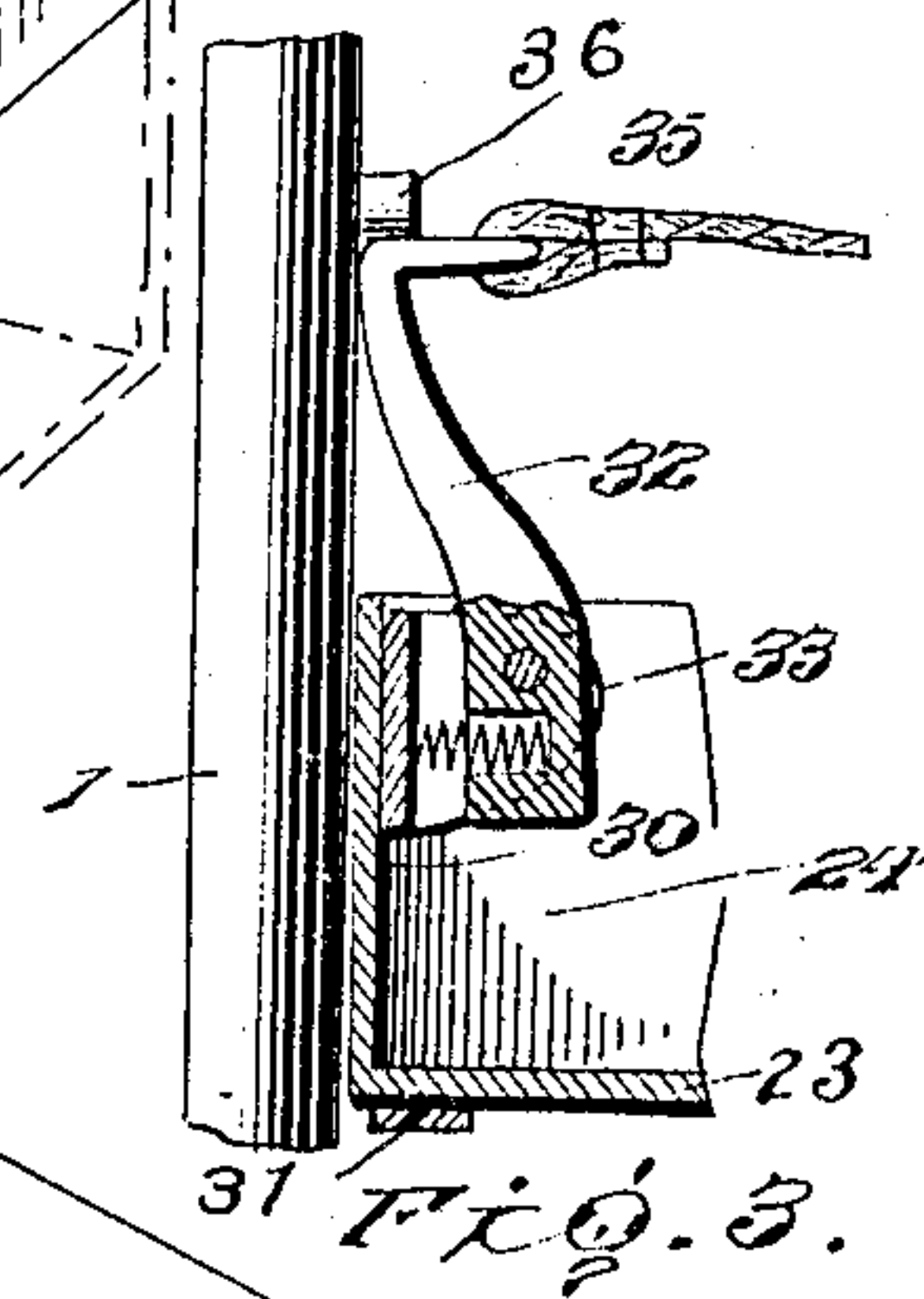
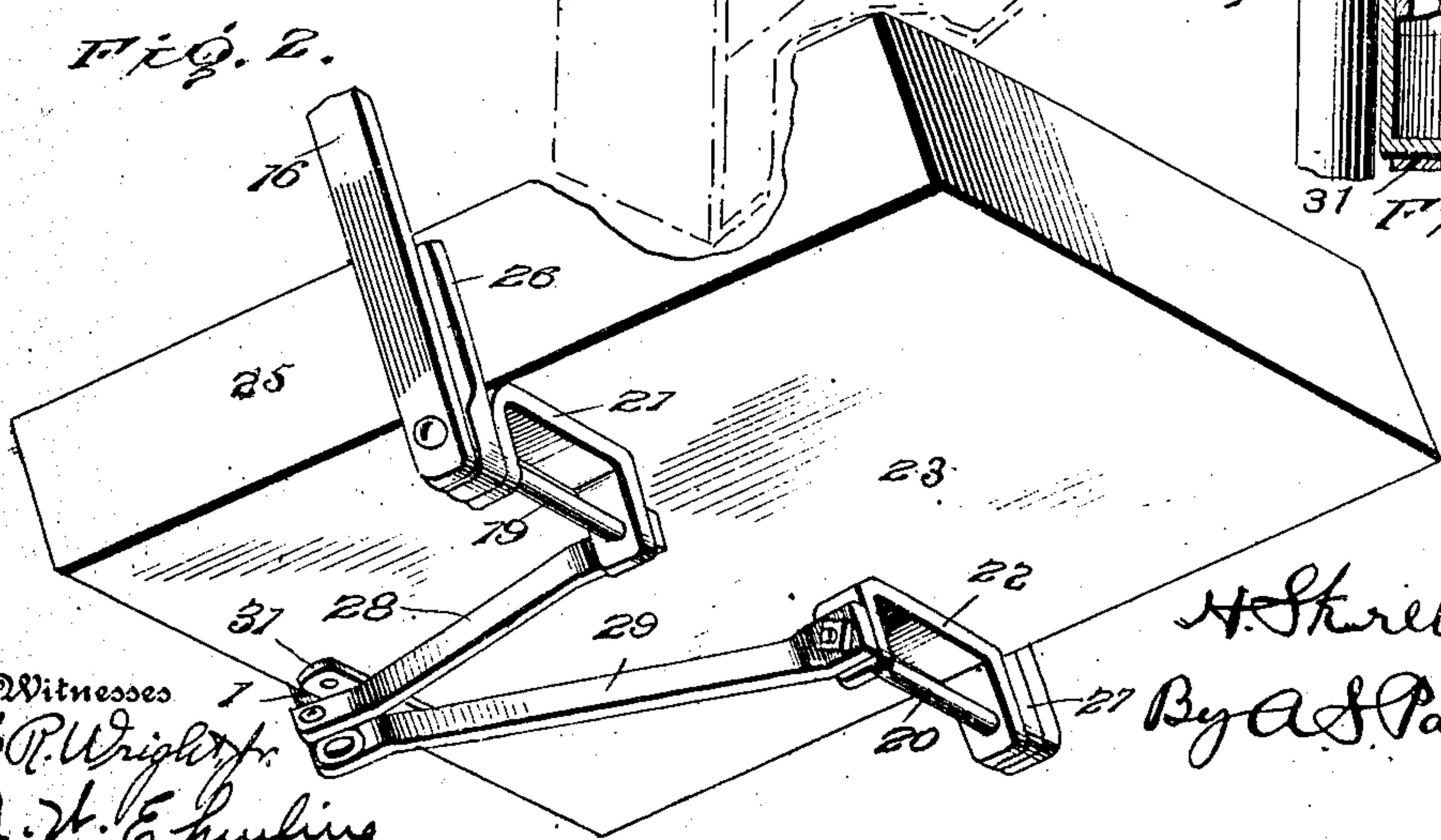


FIG. 2.



Inventor

H. Skreberg,

By A. S. Pattison,

Attorney

Witnesses
C. P. Wright,
A. H. E. Hulking.

UNITED STATES PATENT OFFICE.

HANS SKREBERG, OF BIG BEND TOWNSHIP, CHIPPEWA COUNTY, MINNESOTA.

ELEVATED CARRIER.

No. 860,256.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed March 15, 1907. Serial No. 362,576.

To all whom it may concern:

Be it known that I, HANS SKREBERG, a citizen of the United States, residing at Big Bend township, in the county of Chippewa and State of Minnesota, have invented certain new and useful Improvements in Elevated Carriers, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in elevated carriers.

The object of my invention is to provide an elevated carrier of this character which is provided with means for allowing it to freely travel upon a cable, and in which one end is free from all obstructions so that it may be readily dumped and the contents thereof discharged.

Another object of my invention is to provide a more simple, cheap and effective device of the character to accomplish the above result.

In the accompanying drawings, Figure 1, is a perspective view of my improved carrier showing the body portion in dotted lines in its dumped position. Fig. 2, is a bottom perspective end view of my improved carrier partly broken away. Fig. 3, is an enlarged vertical sectional view of the catch.

Referring now to the drawings, 1 represents a vertical standard which, as shown, is preferably made of tubular form, although any other form could be used. Secured to each side of the upper end of said standard are the forwardly-extending horizontal beams 2 and 3 which are, as shown, spaced apart at the outer ends by any desired means. Secured to the said beams 2 and 3 about midway their length are the braces 5 and 6 which, as shown, are secured to the beams 2 and 3 by a single bolt 7. The said braces extend diagonally downward and are secured to the standard 1 by means of a bolt 8, thus bracing and holding the beams 2 and 3. The beams 2 and 3 form the supporting means for the carrier, and are provided at the end adjacent the standard 1 with two upwardly-extending ears 9 between which the grooved pulley 10 is rotatably mounted. The opposite end of the beams 2 and 3 are provided with the upwardly extending ears 11 between which is rotatably mounted the grooved pulley 12, which is in a horizontal line with the pulley 10, and the said pulleys are spaced a sufficient distance above the beam to allow the cable 13 to pass, and by means of which the carrier is allowed to travel upon the cable, as will be hereinafter more fully described.

Secured to the bolt 7 which secures the braces 5 and 6 to the beams, are the loops or supporting arms 14 and 15 which extend obliquely outward and have the vertically-extending portions 16 and 17. At the juncture of the oblique and vertical portions of the supporting

arms is a transverse horizontal bolt 18 which strengthens and holds the arms in their proper position. The lower ends of the supporting arms are provided with transverse bolts 19 and 20 which extend inwardly in a horizontal position and pass through the U-shaped members 21 and 22 carried by the bottom 23 of the bucket or receptacle 24. Carried by the side walls 25 of the bucket or receptacle are the downwardly-extending lugs 26 and 27, and through which the bolts 19 and 20 pass, and thus forming a more rigid pivot for the bucket.

Secured to the lower end of the standard 1 are the horizontal brace rods 28 and 29 which are flared outwardly and secured to the inner ends of the bolts 19 and 20, and whereby the bolts are supported at their inner ends in a horizontal position.

The bucket or receptacle, as shown, is preferably of a rectangular shallow form filling the space between the standard 1 and the supporting arms, and its pivotal connection with the frame is at one side of the center so that it will normally be held in a dumped or vertical position, and thus making it an automatic dumping bucket. The end wall 30 of the bucket extends adjacent and approximately engages the standard 1 when in its horizontal position, and the bottom thereof rests upon the brace rods 28 and 29 adjacent the standard. In order to protect the same from being worn or otherwise injured when throwing the bucket back to its horizontal position, I attach a plate 31 to the bottom and said plate rests upon the brace rods.

The end wall 30 of the bucket on the inside is provided with a vertically arranged spring catch 32 which is normally held outwardly against the standard. The said catch, as shown, is mounted between the ears 33 carried by the inner face of the wall 30 of the bucket, while the upper end extends beyond the wall of the bucket and engages the standard 1. The said catch is provided with a horizontally-turned upper end provided with an opening 34 by means of which the rope 35 is attached for operating the same. The standard 1 is provided with an inwardly-extending horizontal pin 36 which extends over the catch when in its normal outward position, and thus the swinging of the bucket on its pivot is prevented, the normal position of the catch being in its outward position in engagement with the pin owing to the location of the pivots, which have a tendency to normally dump the bucket.

In operation, the bucket is filled and conveyed upon the cable 13 to the desired place by means of the pulleys, and any desired operating means connected to the frame. By drawing or pulling the rope 35 the catch is drawn from under the pin 36 and the bucket is automatically dumped in the position shown in dotted lines, Fig. 1, when the contents thereof will be discharged.

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

1. An elevated carrier comprising horizontal bars, pulleys carried by the ends of said bars for supporting the same, downwardly-extending members carried by said bars intermediate the pulleys, and a bucket pivotally supported between said members.
2. An elevated carrier comprising horizontal bars, pulleys carried by the ends of said bars for supporting the same, downwardly-extending members carried by said bars intermediate the pulleys, a bucket pivotally supported between the lower ends of said members, and a standard carried by one end of the horizontal bars and extending down around and under the bucket and connected to said members.
3. An elevated carrier comprising horizontal bars, pulleys carried by the ends of said bars for supporting the same, downwardly-extending members carried by said bars intermediate the pulleys, a bucket pivotally supported between the lower ends of said members, a standard carried by one end of said bars and extending downwardly and inwardly, braces rigidly secured to the lower end of the standard and connected to the said supporting members.
4. An elevated carrier, comprising horizontal bars, pulleys carried by the upper face thereof adjacent the ends for movably supporting the same, a downwardly-extending standard carried by one end of the bars, inwardly-extending braces carried by the lower end of the standard, outwardly and downwardly-extending arms secured to the bars intermediate their ends, bolts connecting the braces and the arms, and a bucket or receptacle between said arms and having ears on its bottom pivotally mounted upon said bolts, and means for holding the bucket or receptacle in its upright position.
5. An elevated carrier comprising horizontal bars, pulleys carried by the upper face thereof adjacent the ends for movably supporting the same, a downwardly-extending standard carried by one end of the bars, an oblique brace connecting the standard and bars intermediate their ends, horizontal braces carried by the lower end of said standard, downwardly-extending arms secured to the bars at the same point as the oblique brace, bolts connecting the braces and the arms, a bucket or receptacle between said arms, inverted U-shaped plates carried by the bottom

of the bucket or receptacle and through which the bolts pass, a horizontally-arranged pin carried by the standard, and a spring catch adapted to spring under said pin and hold the bucket in an upright position.

6. An elevated carrier, comprising horizontal bars, spaced apart, pulleys carried by the bars above the same adjacent the ends for movably supporting the same, a downwardly-extending standard secured between the ends of said bars, an oblique brace connecting the standard and the bars intermediate their ends, horizontal braces carried by the lower end of said standard, downwardly-extending arms secured to the bars by the same bolt that secures the oblique brace, a transverse bar holding the said arms in their separated position, bolts connecting the braces and lower ends of said arms, a bucket or receptacle between said arms, inverted U-shaped brackets carried by the bottom of the bucket off the center and through which the bolts pass, a horizontally-arranged pin carried by the standard, and a spring catch carried by the bucket adapted to be normally held under the pin and to hold the bucket in an upright position.

7. An elevated carrier, comprising horizontal bars spaced apart, upwardly extending ears carried by said bars, adjacent their ends, pulleys rotatably mounted between said ears, a downwardly-extending standard secured between the ends of said bars, an oblique brace connecting the standard and the bars intermediate their ends, horizontal braces carried by the lower end of said standard, downwardly-extending arms secured to the bars by the same bolt that secures the oblique brace, a transverse bar holding the arms in their separated position, bolts connecting the brace and lower ends of said arms, a bucket or receptacle between said arms, inverted U-shaped brackets carried by the bottom of the bucket adjacent the sides and through which the bolts pass, brackets carried by the sides of the bucket between the arms and the inverted U-shaped brackets, and through which the bolts pass, and means carried by the bucket for engaging the standard and holding the bucket in a horizontal position.

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

HANS SKREBERG.

Witnesses:

C. R. C. BROM,
S. G. LEA.