

No. 871,669.

PATENTED NOV. 19, 1907.

O. D. BROCKETTE.
HORSE RELEASER.

APPLICATION FILED JUNE 20, 1907.

2 SHEETS—SHEET 1.

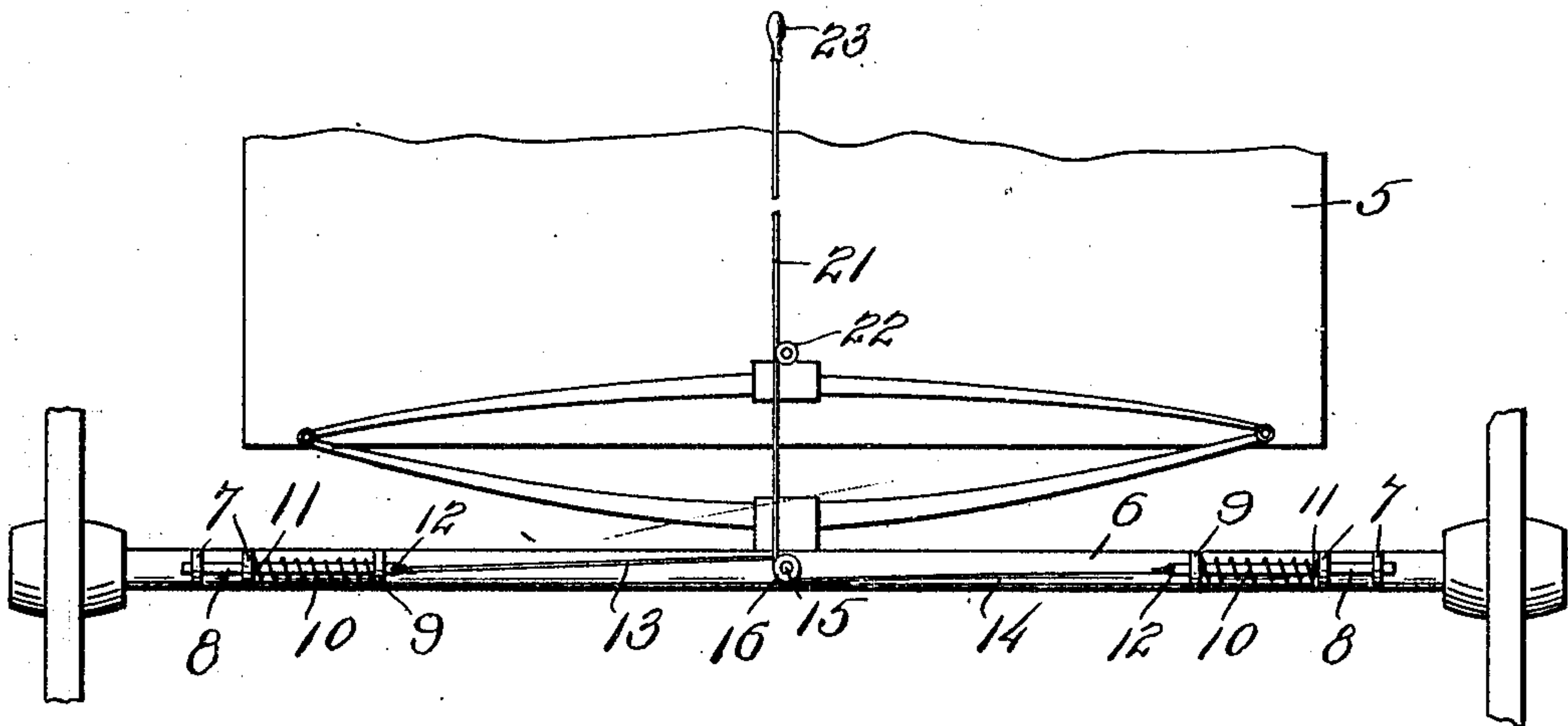


Fig. 1.

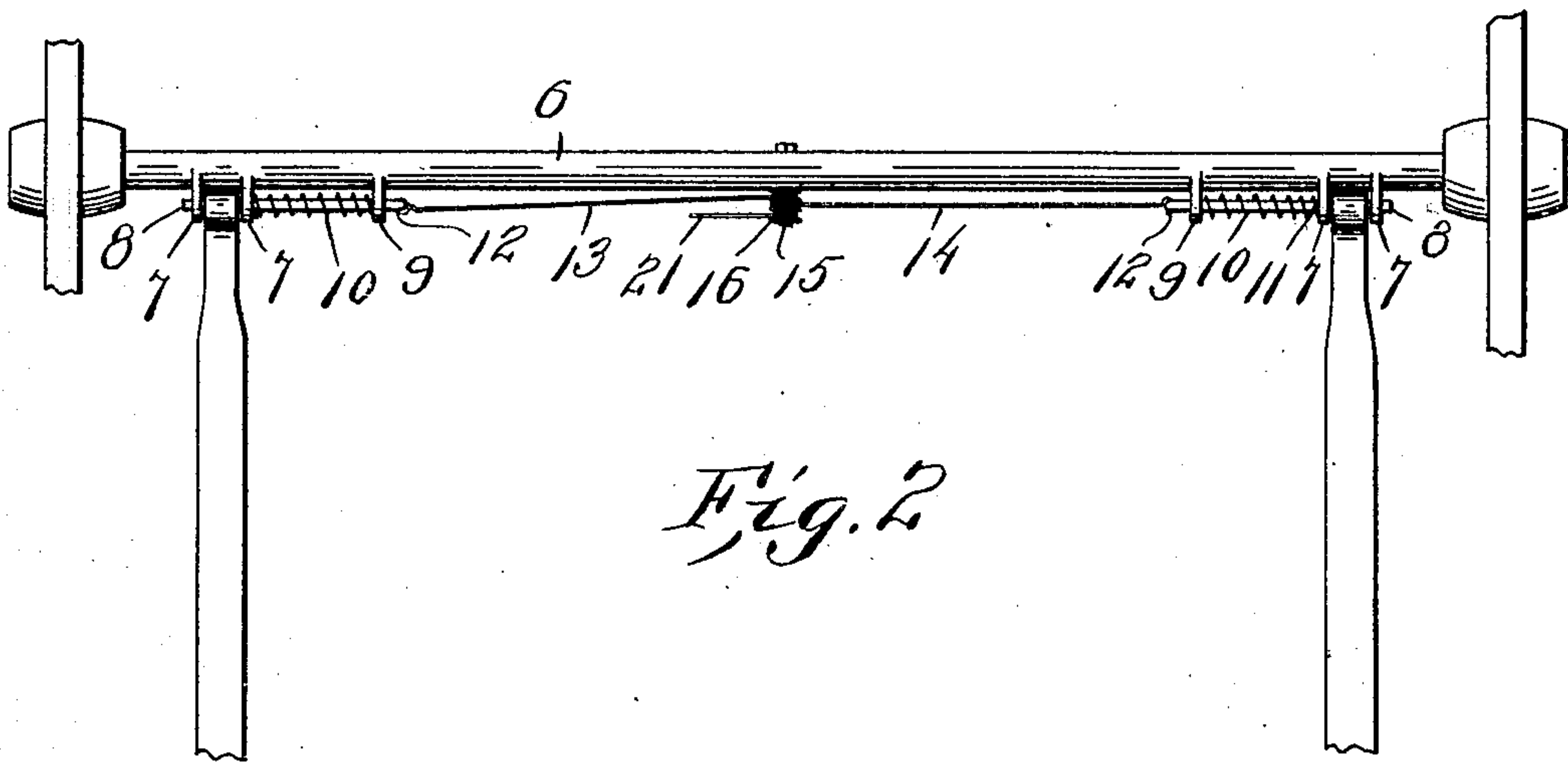


Fig. 2.

Witnesses
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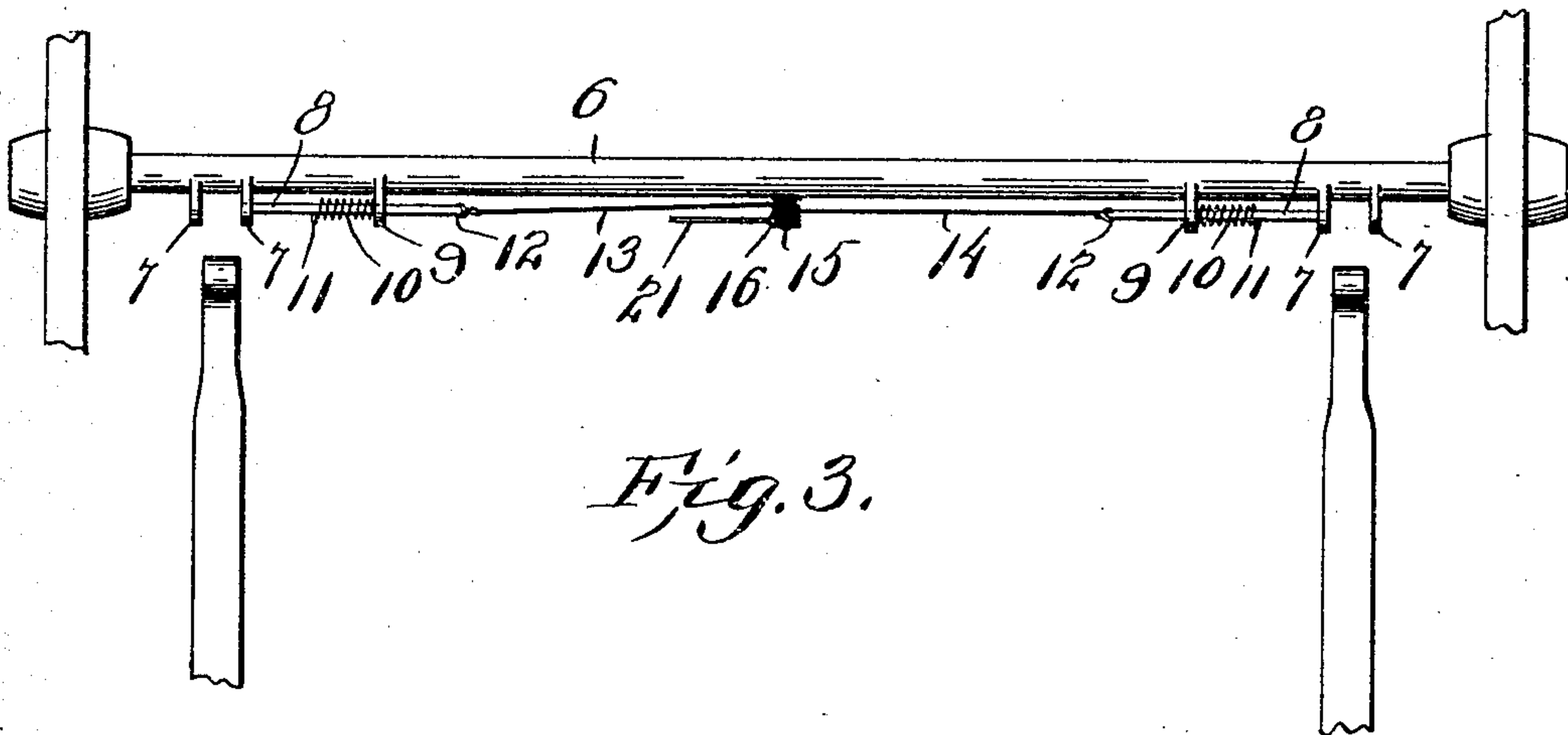


Fig. 3.

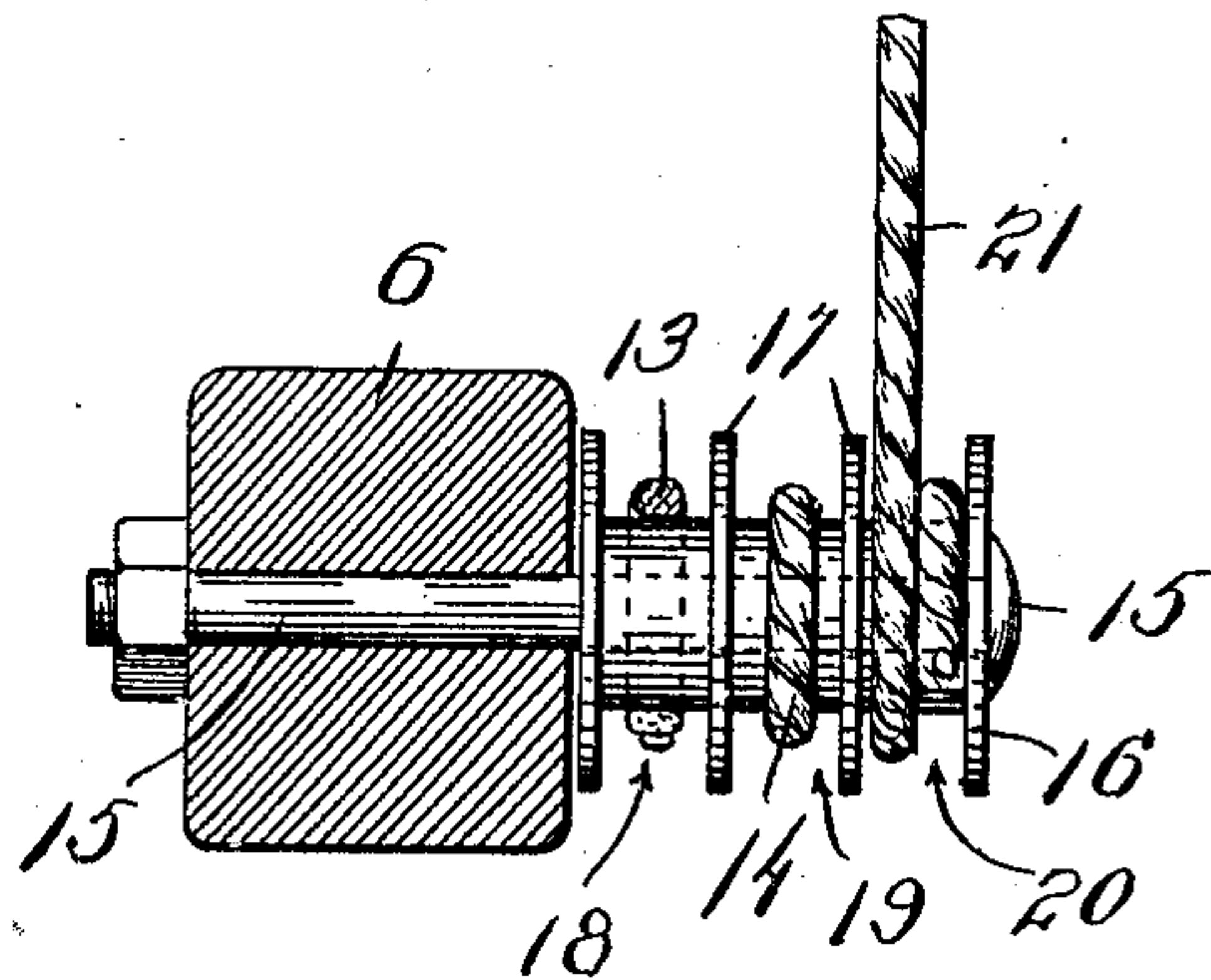


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

OLLIE D. BROCKETTE, OF AUBREY, TEXAS.

HORSE-RELEASER.

No. 871,669.

Specification of Letters Patent.

Patented Nov. 19, 1907.

Application filed June 20, 1907. Serial No. 379,943.

To all whom it may concern:

Be it known that I, OLLIE D. BROCKETTE, a citizen of the United States, residing at Aubrey, in the county of Denton, State of Texas, have invented certain new and useful Improvements in Horse-Releasees; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in horse releasees and in its general embodiment it comprises pins movable in the direction of the axle tree and formed to engage the thills provided on the ends of the shafts.

In connection with a device constructed generally as above outlined the invention aims as a primary object to provide a novel construction, combination and arrangement of parts, the details of which will appear in the course of the following description, in which reference is had to the accompanying drawings forming a part of this specification, like characters of reference designating similar parts throughout the several views, wherein:

Figure 1 is a front elevation illustrating a horse releaser constructed in accordance with the present invention. Fig. 2 is a top plan view showing the device attached to an axle and connected with the shafts. Fig. 3 is a similar view showing the manner of disengaging the axially movable pins from the shafts. Fig. 4 is a detailed view of a spool included in the invention.

Referring specifically to the accompanying drawings, the numeral 5 designates the body of the vehicle and the numeral 6 the axle tree. The latter is provided adjacent its ends with apertured ears 7 arranged in pairs and through which axially movable pins 8 are projected, the pins 8 being designed in use to engage the thills of the shafts. Inwardly of the ears 7, ears 9 are provided at each side of the axle tree, and expansive coil springs 10 surround the pins 8, and with one end bear against the ears 9, and with their other end against stop pins 11, carried by the pins 10. The latter, at their inner ends, are constructed with eyes 12, to which are connected respective ropes 13 and 14. A pin 15 projects forwardly from the axle tree at a point central thereof

and mounted upon said pin is a spool 16, divided by two flanges 17, into three divisions 18, 19 and 20.

The ropes 13 and 14 have their ends engaged at opposite sides with the respective divisions 18 and 19, and a rope 21 has its end engaged with the division 20, such engagement being effected in any desired manner. The rope 21 is trained over suitable pulleys 22, and passes up over the dash board and into the vehicle, so that its free end, carrying the handle 23, may be within easy reach of the driver.

It will be apparent that by pulling upon the rope 21, the spool 16 will be rotated so as to wind the ropes 13 and 14 simultaneously upon the respective divisions 18 and 19. This movement of the ropes 13 and 14, moves the pins 8 inwardly against the tension of the springs 10, and releases the shafts from the axle tree as will be readily understood.

The invention is simple in its structural details, inexpensive to manufacture, and practical and efficient in use.

From the foregoing description it will be seen that simple and efficient means are provided for accomplishing the objects of the invention, but while the elements herein shown and described are well adapted to serve the functions set forth, it is obvious that various minor changes may be made in the proportions, shape and arrangement of the several parts, without departing from the spirit and scope of the invention as defined in the appended claims.

What is claimed is:

The combination with an axle tree, of pins mounted at the ends thereof for axial sliding movement, springs for forcing said pins outwardly, a centrally located pin carried by said axle tree and projecting forwardly therefrom, a spool on said last named pin, spaced annular flanges circumscribing said spool, and affording three independent spool divisions, ropes connected to said first named pins and to said spool at relatively opposite points in two of said divisions and a pull rope having its end connected with said spool in the remaining division.

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

OLLIE D. BROCKETTE.

Witnesses:

H. G. MUSGROVE,
B. B. SANN.