

No. 849,589.

PATENTED APR. 9, 1907.

T. E. ARNOLD.
DISPLAY RACK.
APPLICATION FILED APR. 2, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

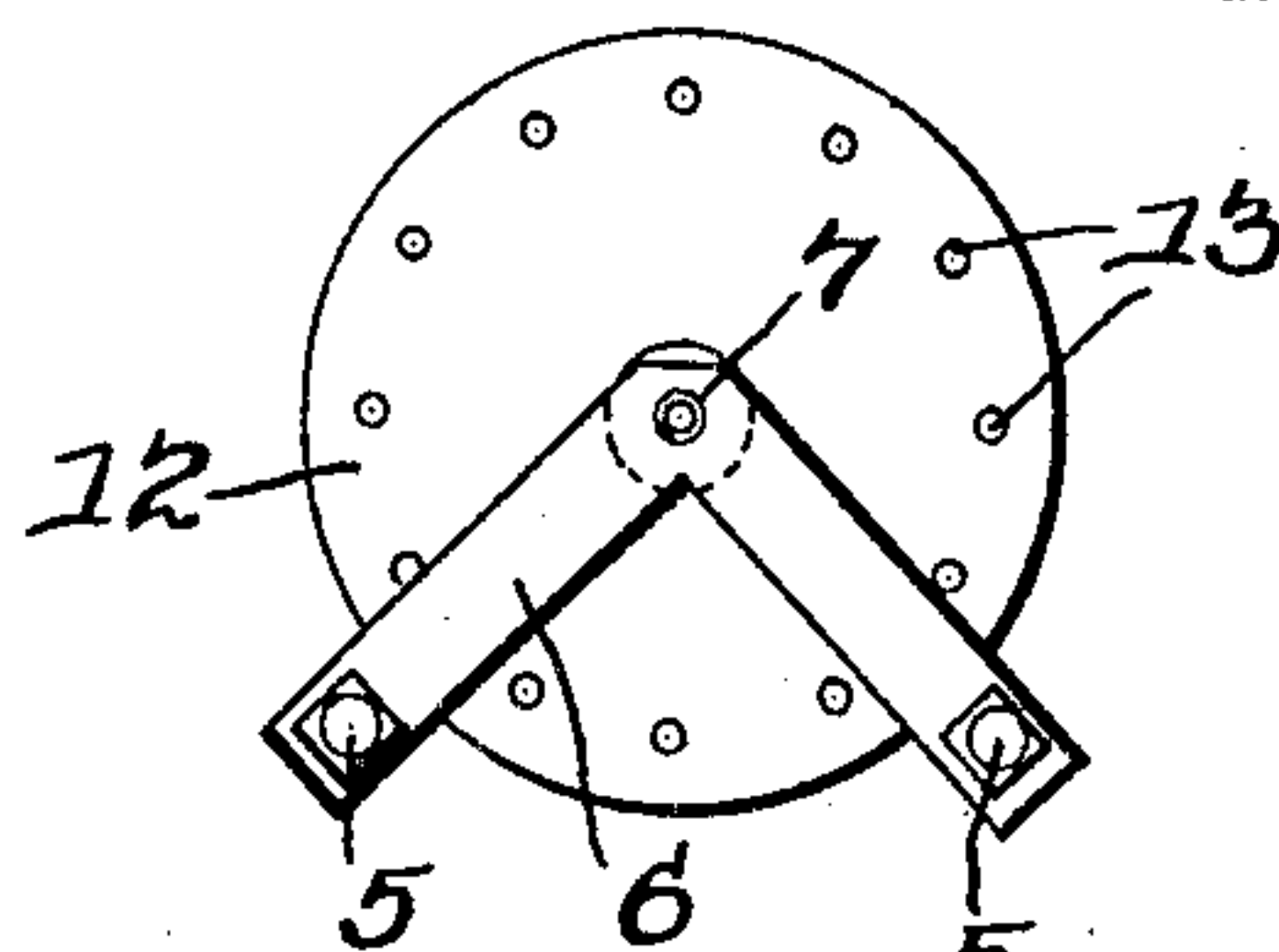
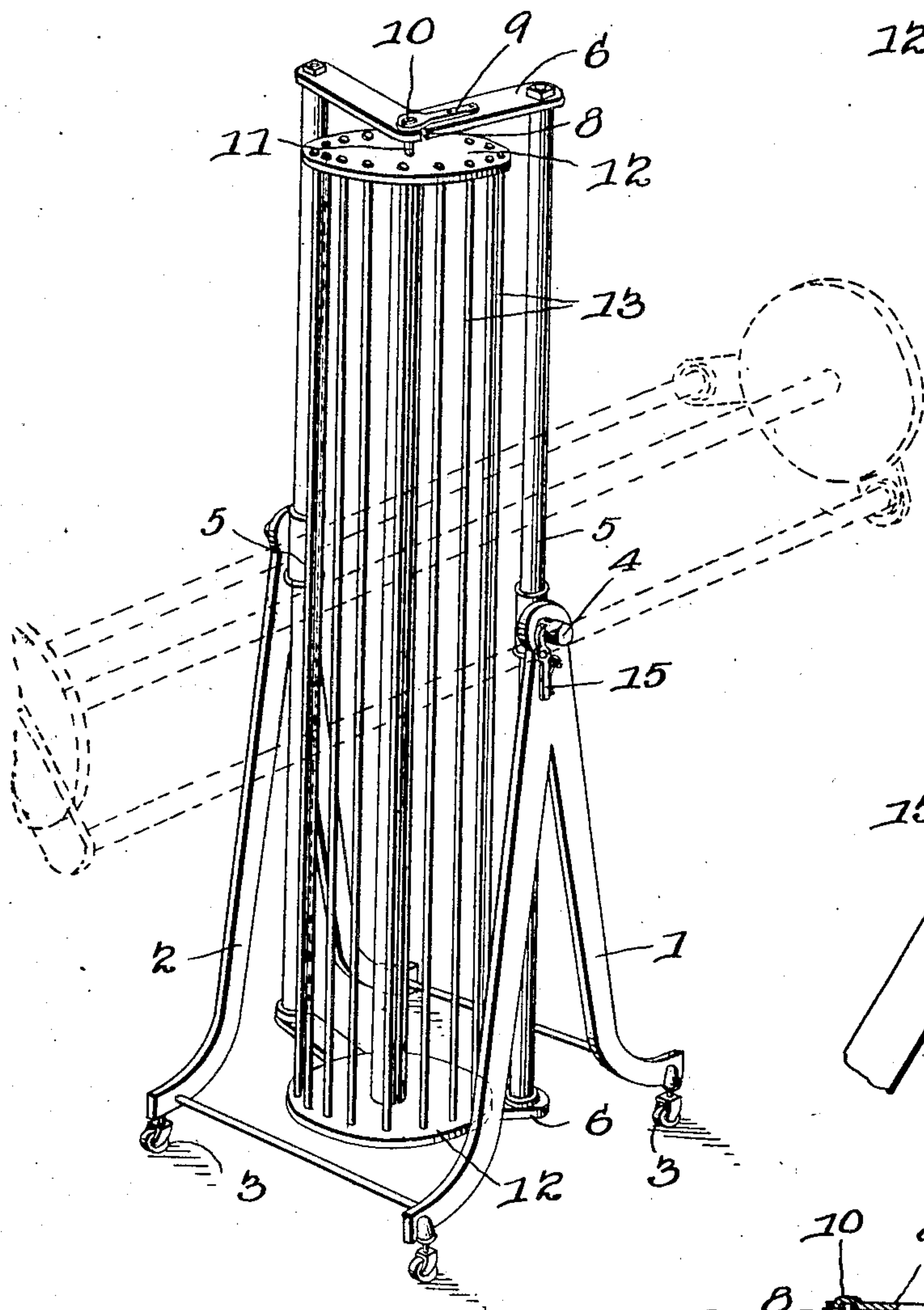


Fig. 2.

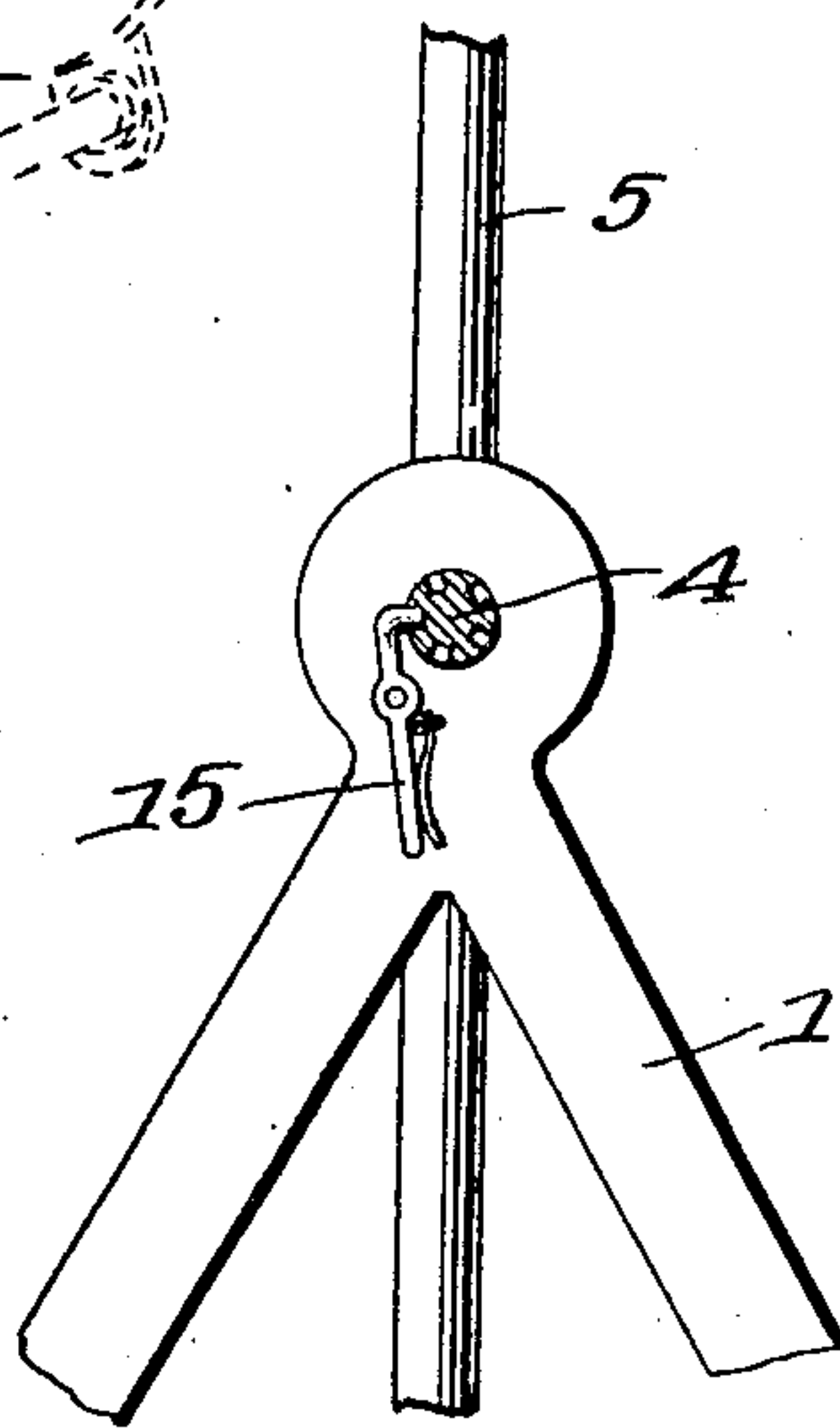


Fig. 4.

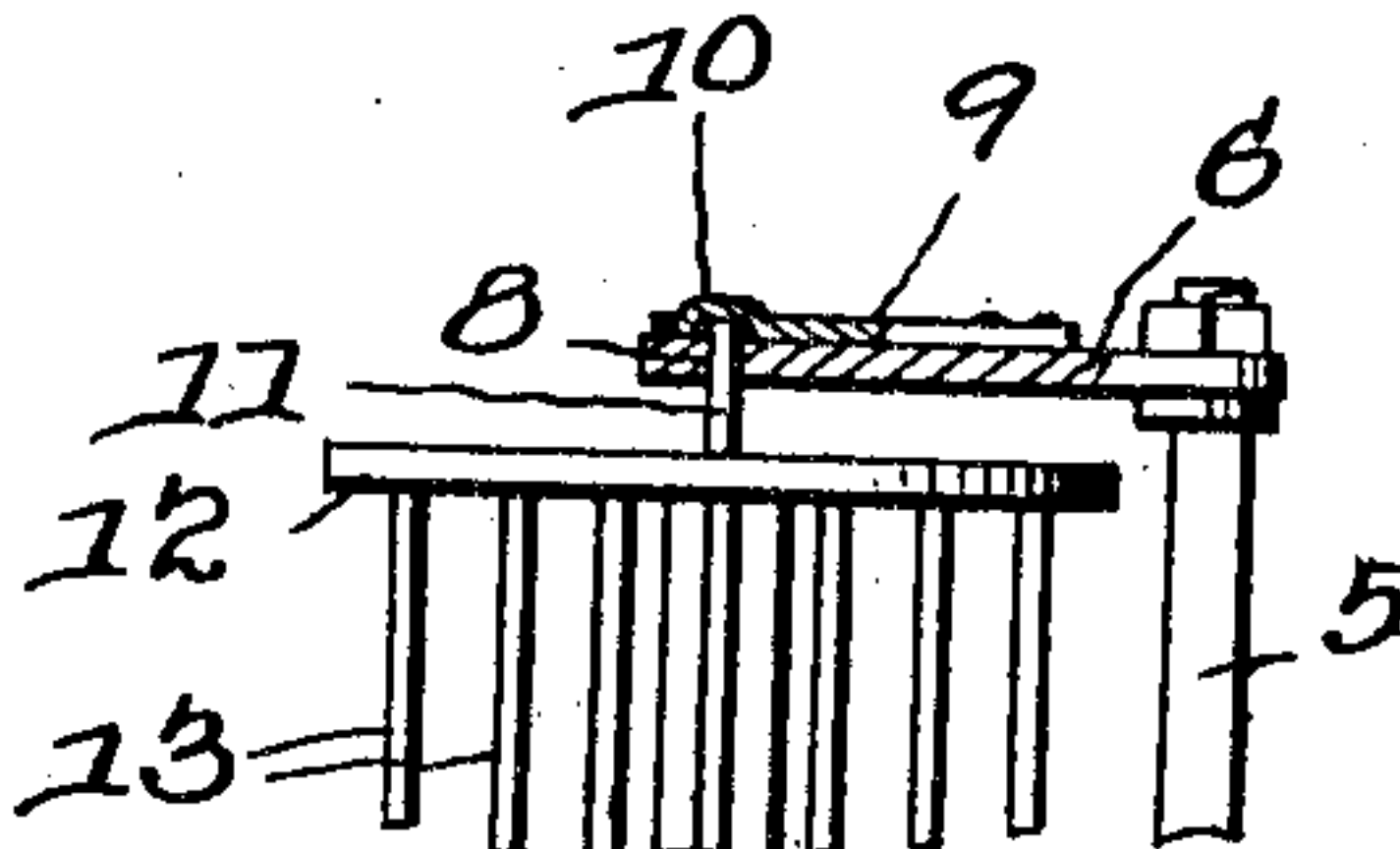


Fig. 3.

WITNESSES:

E. J. Stewart
Herbert D. Lawson

Thomas E. Arnold, INVENTOR

By

C. A. Snow & Co.

ATTORNEYS

No. 849,589.

PATENTED APR. 9, 1907.

T. E. ARNOLD.
DISPLAY RACK.

APPLICATION FILED APR. 2, 1906.

2 SHEETS—SHEET 2.

Fig. 5.

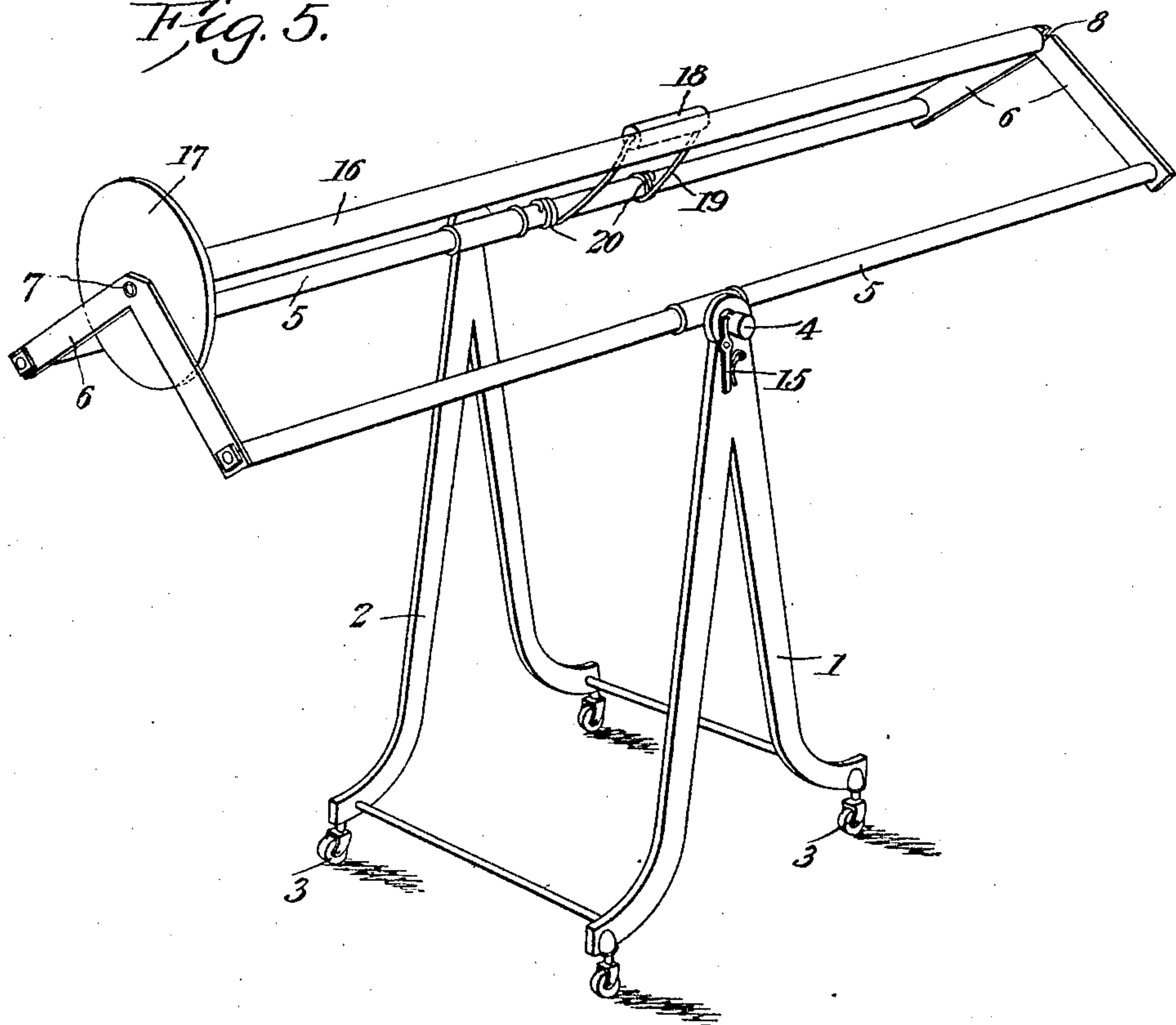
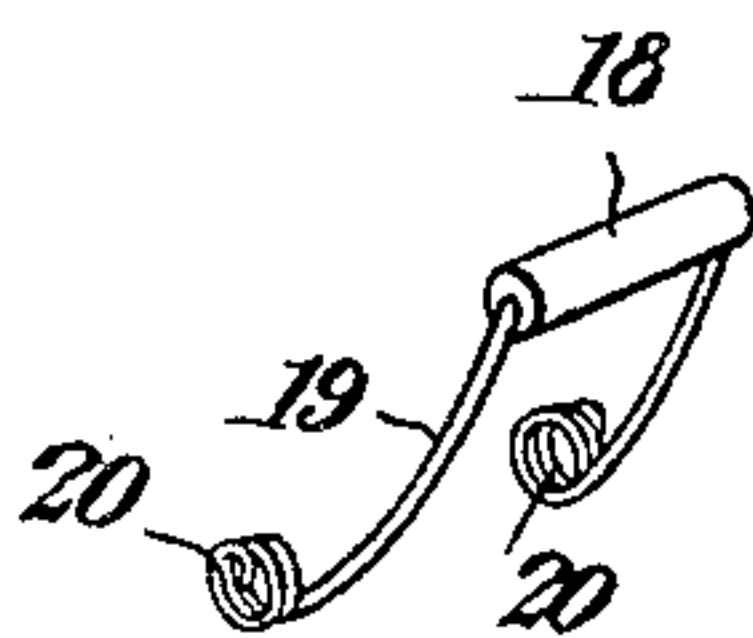


Fig. 6.



WITNESSES:

E. J. Stewart
Robert D. Lawson

Thomas E. Arnold, INVENTOR.

By *Calnow & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

THOMAS E. ARNOLD, OF PORT CLINTON, OHIO.

DISPLAY-RACK.

No. 849,589.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed April 2, 1906. Serial No. 309,395.

To all whom it may concern:

Be it known that I, THOMAS E. ARNOLD, a citizen of the United States, residing at Port Clinton, in the county of Ottawa and State of Ohio, have invented a new and useful Display-Rack, of which the following is a specification.

This invention relates to display-racks; and its object is to provide a device of this character which is particularly adapted for holding heavy rolls of fabrics, such as oil-cloth.

A still further object is to provide a rack which can be quickly adjusted so as to hold the rolls either in an upright or a horizontal position.

Another object is to provide a rack which can be readily transported from place to place while the roll is supported in either of said positions.

With the above and other objects in view the invention consists of a truck formed of connected standards suitably mounted on casters, and supported by this truck is a centrally-pivoted frame having a spindle rotatably mounted therein and surrounded by means adapted to support a roll of fabric.

Means are provided for locking the frame in any position to which it may be adjusted, and additional means are utilized for holding the roll so as to prevent it from unwinding.

The invention also consists of certain other novel features of construction and combination of parts which will be hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings, Figure 1 is a perspective view of the rack in an upright position, the same being shown by dotted lines in a horizontal position. Fig. 2 is a view of the lower end of the swinging frame and the adjoining disk. Fig. 3 is a section through the upper portion of the swinging frame. Fig. 4 is a section through the notched trunnion, showing the locking device in elevation. Fig. 5 is a perspective view of a modified form of rack for use with a single heavy roll. Fig. 6 is a detail view of the holding-spring used with the racks.

Referring to the figures by numerals of reference, 1 and 2 are oppositely-disposed converging pairs of standards, which are supported on casters 3, while their upper ends form bearings for trunnions 4, extending laterally from the center of parallel arms 5.

These arms constitute the sides of a frame, the ends of said frame being formed of angular cross-bars 6, one of which has a centrally-disposed opening 7 therein. The other cross-bar has a slot 8 therein, above which is disclosed a spring-catch 9, having a socket 10, adapted to register with the slots 8. A spindle 11 is rotatably mounted at its ends within the opening 7 and the slot 8, and that end thereof located within the slot is seated in the socket 10, so as to be held against accidental displacement.

As shown in Fig. 1, a disk 12 may be secured to the spindle near each end and the two disks connected adjacent their peripheries by removable parallel rods 13. These rods and the disks constitute a means upon which a number of rolls of fabrics, such as table oil-cloth, may be wound.

One of the trunnions 4 projects through the upper ends of the standards 1 and 2 and has notches 4 within it, which are adapted to be engaged by a spring-pressed catch 15, which is pivotally mounted upon the standards and can be readily operated manually, so as to become disengaged from the trunnion. It will of course be understood that the standards are suitably connected by braces at their lower ends, so as to form a rigid supporting structure.

The display-rack herein described can be readily moved from place to place upon its casters 3, and the rolls of fabric on the series of rods 13 can be swung into either a vertical or a horizontal position by unlocking the trunnions of the side arms 5, then swinging the frame into a desired position, after which the catch 15 can be placed in engagement with the trunnion adjacent thereto.

Where large heavy rolls of oil-cloth, wire fabric, &c., are to be carried by the rack, a construction such as shown in Fig. 5 is employed. With this form the rods 13 and upper disk 12 are dispensed with, and instead a spindle 16 with a bottom disk 17 is used. The spindle is adapted to be inserted through the large roll, which will rest upon the disk 17. Although rolls of wire fabric and oil-cloth sometimes weigh a couple of hundred pounds, they can be readily manipulated by any person if they are carried on a rack of this character.

In order that the fabric may be prevented from unwinding, a resilient retainer is provided, the same consisting of a roller 18, which is mounted on a bail-shaped support

19, formed of resilient material and integral with springs 20. These springs are secured to one of the arms 15, and the roller is so mounted in relation thereto that the same
5 will be pressed constantly against the large fabric roll and prevent it from accidentally unwinding.

By providing a rack such as herein described rolls of oil-cloth or other fabric can
10 be supported in an upright position for display purposes and will at the same time occupy a very small space. When it is desired to cut off a portion of the fabric, the rolls can be moved into a horizontal position
15 and the desired quantity removed therefrom.

I claim—

1. The combination with supports; of a frame therebetween, laterally - extending
20 trunnions at the center of the frame and bearing on the supports, means upon one of the supports for engaging a trunnion to lock the frame at a desired angle, a spindle de-

tachably and rotatably mounted within and extending longitudinally of the frame, disks
45 secured to and rotatable with the spindle, and a plurality of roll-engaging devices connecting and rotatable with the disks.

2. The combination with portable connected supports; of a frame disposed be-
30 tween the supports, trunnions extending from the sides thereof, means upon one of the supports for engaging a trunnion to lock the frame at a desired angle, a spindle detach-
35 ably and rotatably mounted within the frame, disks secured to and rotatable with the spindle, and a plurality of roll-engaging devices connecting and rotatable with the disks.

In testimony that I claim the foregoing as
40 my own I have hereto affixed my signature in the presence of two witnesses.

THOMAS E. ARNOLD.

Witnesses:

GEO. A. TRUE,

RUEL H. CRAWFORD.