

W. K. SARGENT.
STANCHION OPERATOR.
APPLICATION FILED JUNE 18, 1918.

1,298,102.

Patented Mar. 25, 1919.

FIG. 1.

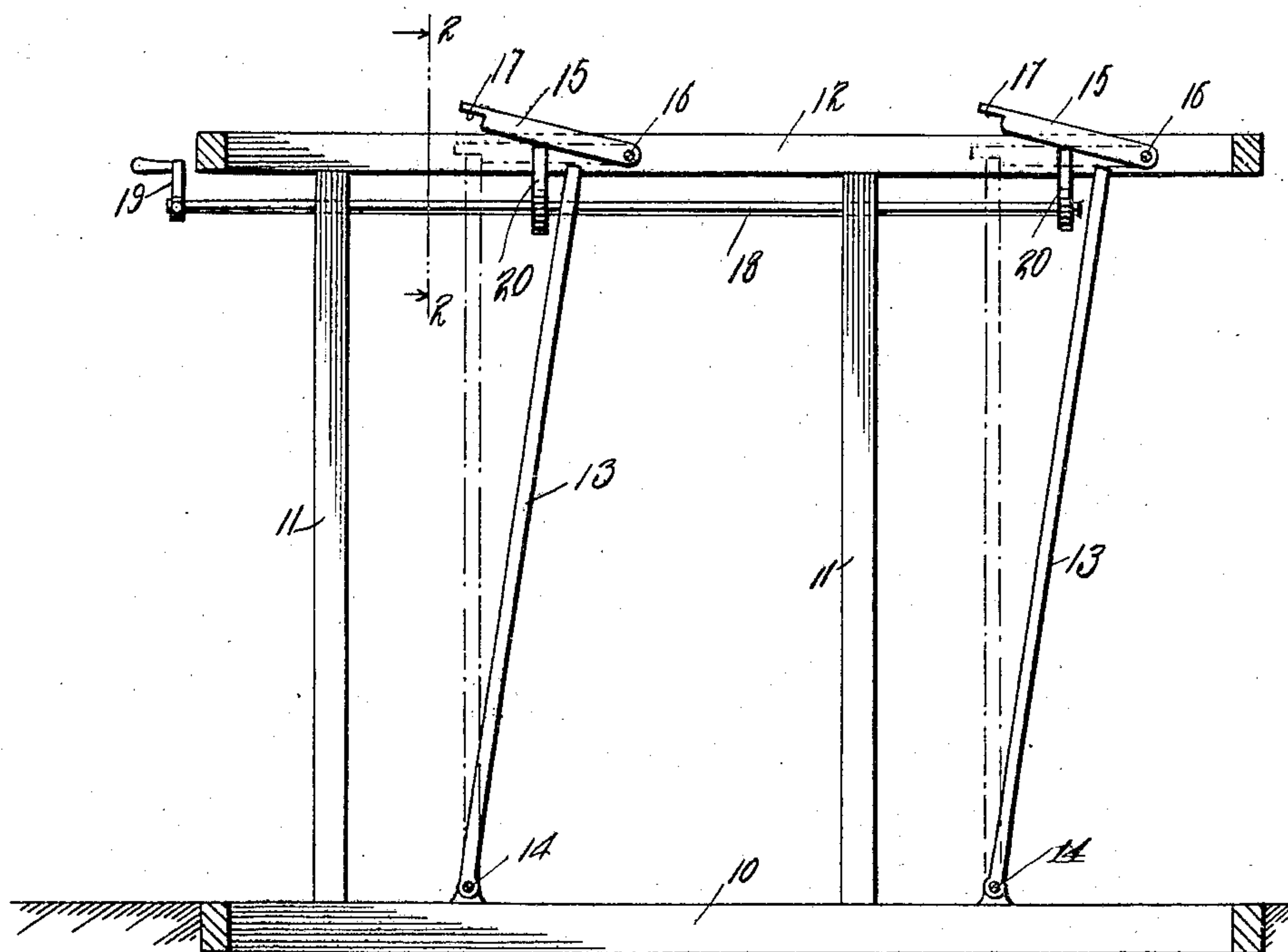
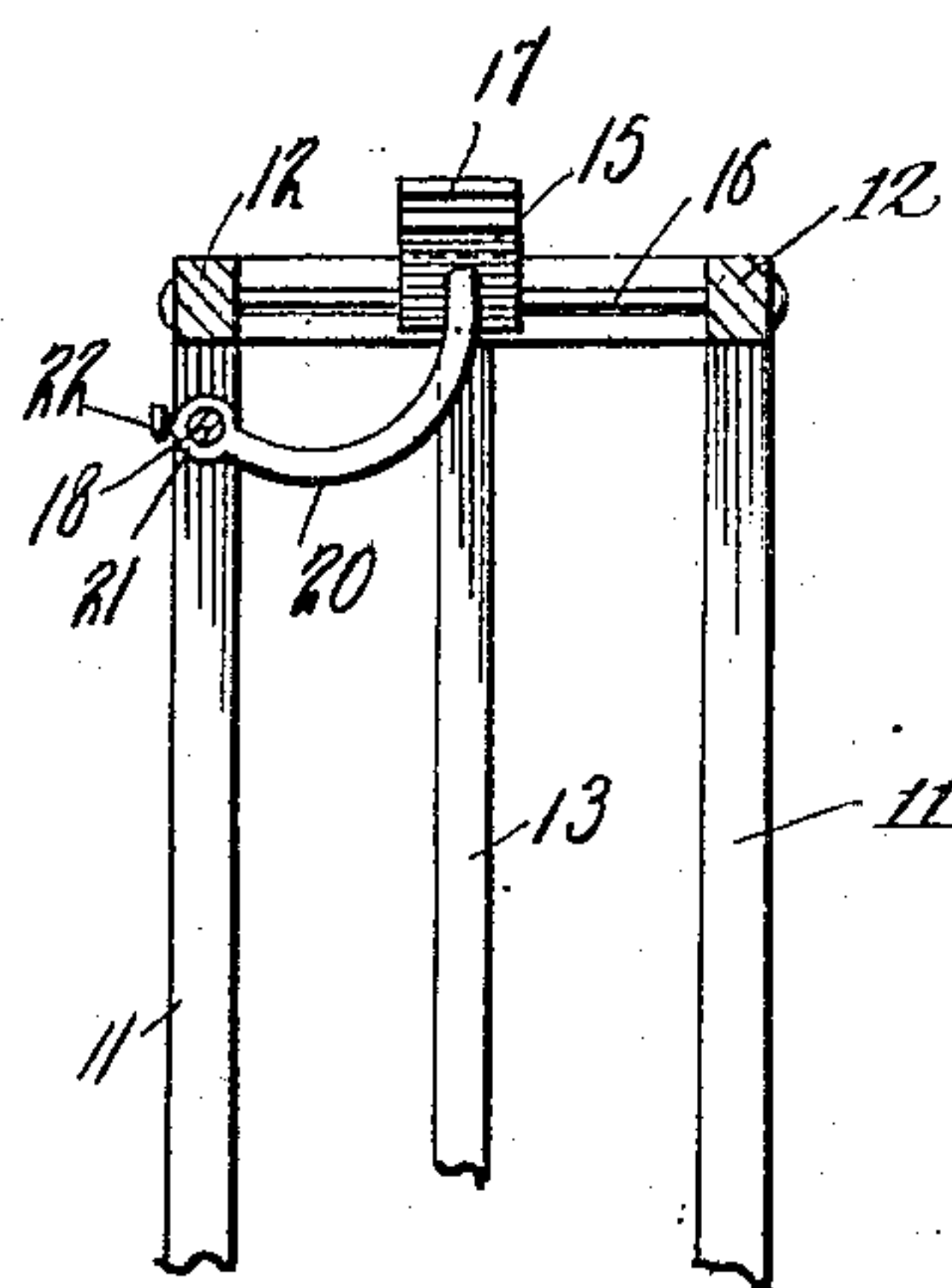


FIG. 2.



WITNESSES

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STANCHION-OPERATOR.

1,298,102.

Specification of Letters Patent.

Patented Mar. 25, 1919.

Application filed June 18, 1918. Serial No. 240,582.

To all whom it may concern:

Be it known that I, WILLIAM K. SARGENT, a citizen of the United States, residing at Kissimmee, in the county of Osceola and State of Florida, have invented certain new and useful Improvements in Stanchion-Operators, of which the following is a specification:

This invention has relation to cattle stanchions and has for an object to provide a device for operating everyone of a number of stanchions simultaneously, or all of them successively, the operating means permitting the individual operation of any one of the stanchions.

Another object of the invention is to provide an attachment for stanchions which is of a simple nature whereby the stanchions may be operated simultaneously or successively.

In addition to the foregoing my invention comprehends improvements in the details of construction and arrangement of the correlative parts to be hereinafter more fully described and particularly set forth in the appended claim.

In the accompanying drawings in which similar and corresponding parts are designated by the same characters of reference throughout the several views in which they appear—

Figure 1, is a view partly in section of a pair of stanchions of conventional type illustrating the embodiment therein of my operating device, and

Fig. 2, is a detail view taken on the line 2—2 thereof.

With reference to the drawings, 10 indicates a base bar upon which a plurality of uprights 11 are erected in spaced relation to form a stationary securing bar to the stanchion, the upper end thereof being connected by means of the horizontal bar 12. Mounted adjacent each pair of uprights 11 is a movable bar 13 forming the movable securing member of the stanchion being pivotally mounted as at 14 at its lower end upon the bottom bar 10 whereby its upper end is mounted for movement toward or away from its adjacent upright 11 to secure the head of the animal therebetween. The movable bar 13 is locked in place by means of a locking bar 15 of which a plurality are provided, one for each of the bars 13, said locking bars being mounted for vertical oscillation upon a bolt 16 secured in the upper horizontal bar

12. The opposite or free end of the locking bar is notched as at 17 to receive the upper end of the movable bar 13, the locking bar being movable by gravity into its locking position.

My invention comprises a rod 18, which is journaled in the upright 11 and located in contiguous relation to the upper horizontal bar 12. One end of the bar 18 is provided with a crank 19 whereby it may be rotated, and mounted upon the bar 18 in spaced relation and beneath each locking bar 15 is an arcuate arm 20 enlarged at one end as at 21 to receive the rod 18, and said enlargement provided with a set screw 22 to engage the rod 18, whereby to secure the arcuate member 20 to the rod for rotation therewith. The adjusting means also permits an adjustment of the arcuate members 20 relative to each other. The free end of each arcuate member 20 is designed to engage the under side of its respective locking bar 15.

If the arcuate members 20 are arranged in alinement it will be obvious that by rotating the rod 18 by means of a crank 19, all of the locking bars 15 will be engaged simultaneously and elevated to release the movable members 13 of the stanchions, the locking bars lowered upon a reverse rotation of the rod 18. All the animals are thus released simultaneously. It will be apparent however, that if the arcuate members 20 are adjusted relative to each other at various angular relations, the stanchions may be operated successively by rotating the rod 18, and the order in which the stanchions are operated is determined by the manner in which the arcuate members 20 are adjusted, and engageable in order during rotation of the rod 18. It will also be apparent that the provision of this operating means does not preclude the individual operation of each stanchion in the ordinary manner. The rod 18 may be formed in sections, and connected by means of a coupling of any desired type thus permitting the application of the operating means to a row of stanchions of adjusted lengths.

While I have illustrated and described my invention with some degree of particularity, I realize that in practice various alterations thereover may be made, and I therefore desire to reserve the right and privilege of changing the form of the details of construction, or otherwise altering the arrangement

of the correlative parts without departing from the spirit of the invention or the scope of the appended claim.

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

A cattle stanchion comprising a base, a plurality of pairs of uprights secured on the base, a movable bar pivotally connected to
10 the base adjacent each pair of uprights and intermediate the uprights of each pair, longitudinally extending bars connecting the tops of the pairs of uprights, transverse rods rotatably carried between the longitudinally

extending bars, locking bars secured to the 15 transverse rods and adapted to engage the upper ends of the movable bars, a rod rotatably mounted in one upright of each pair of uprights, means for rotating the rod, and arcuate arms secured to the rod and adapted 20 to engage the locking bars for raising the same.

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

WILLIAM K. SARGENT.

Witnesses:

C. E. SWOPE,

G. F. KRIBBS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."