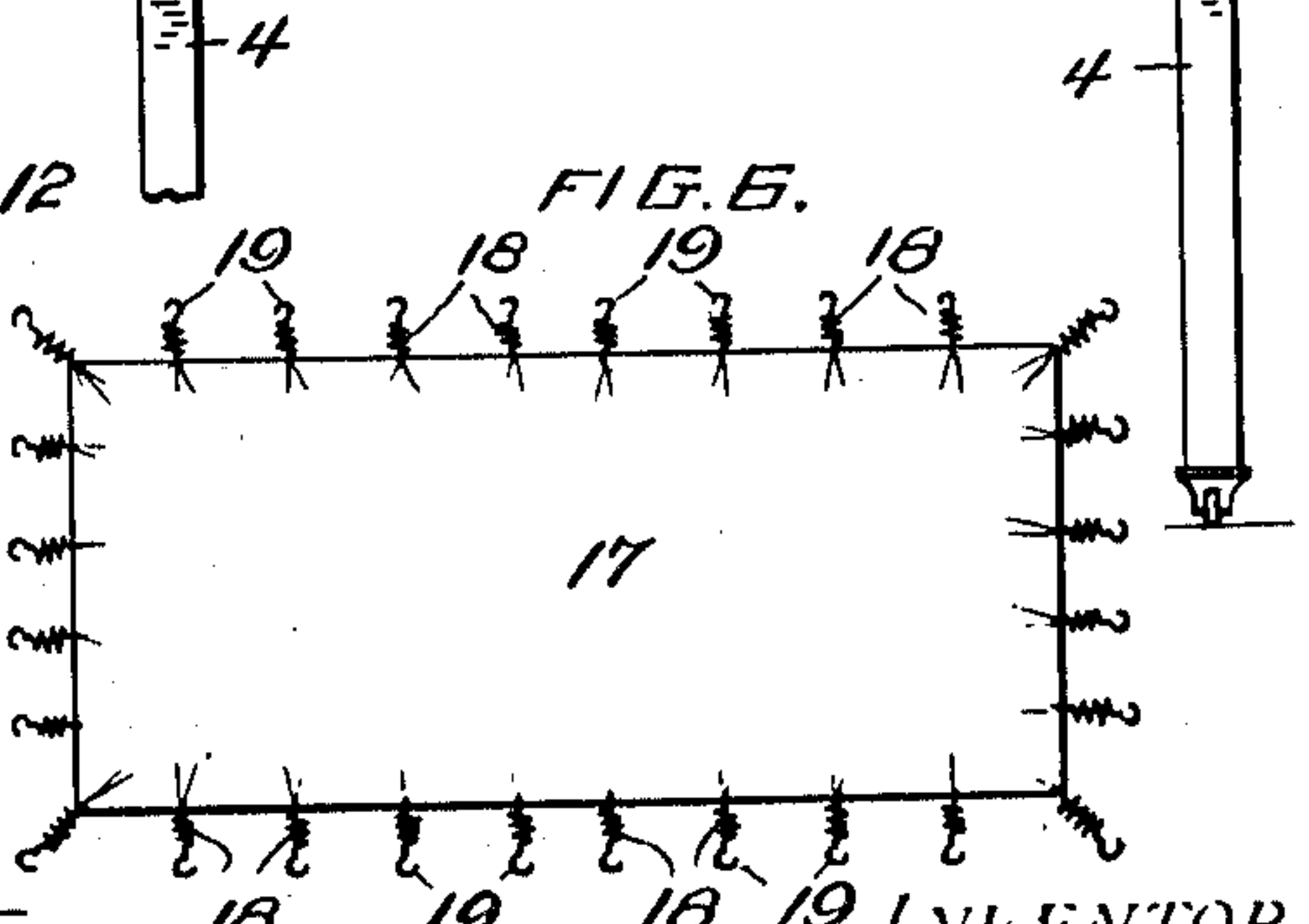
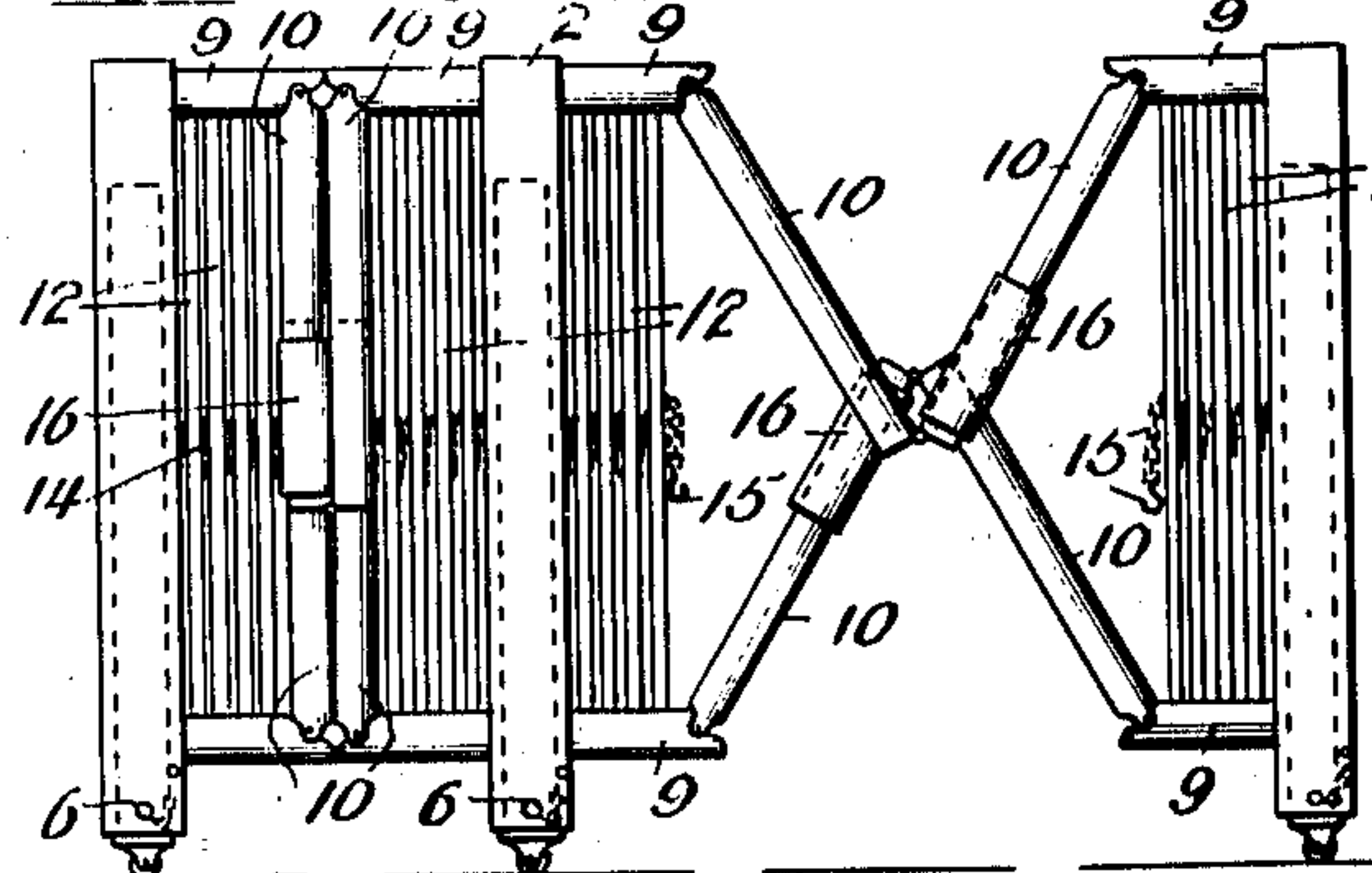
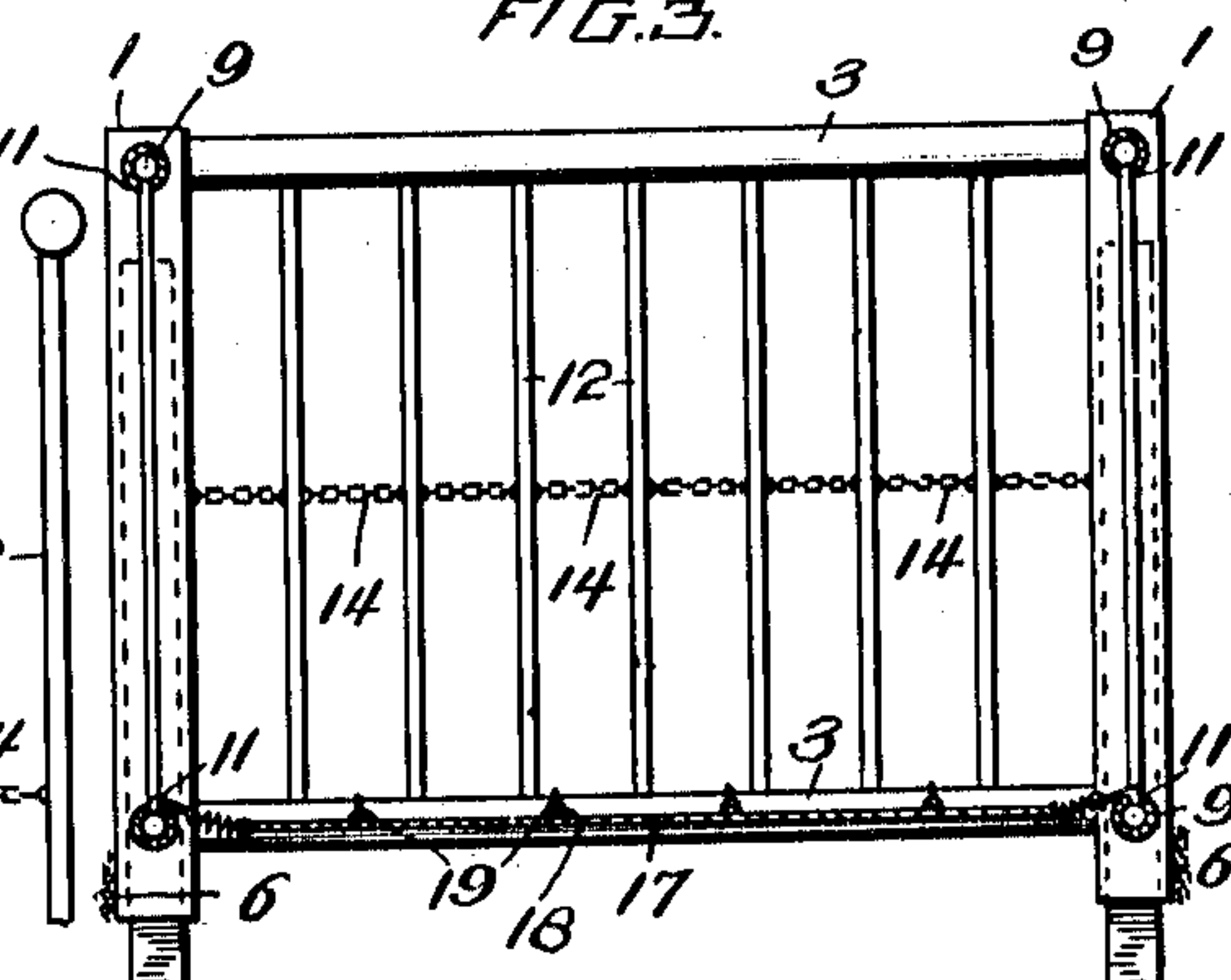
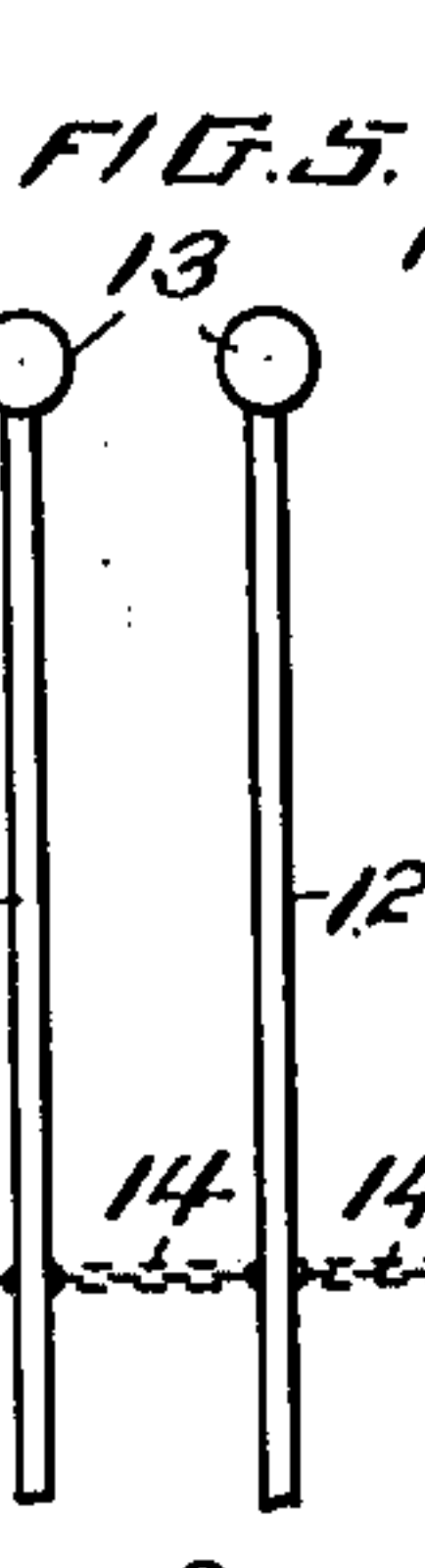
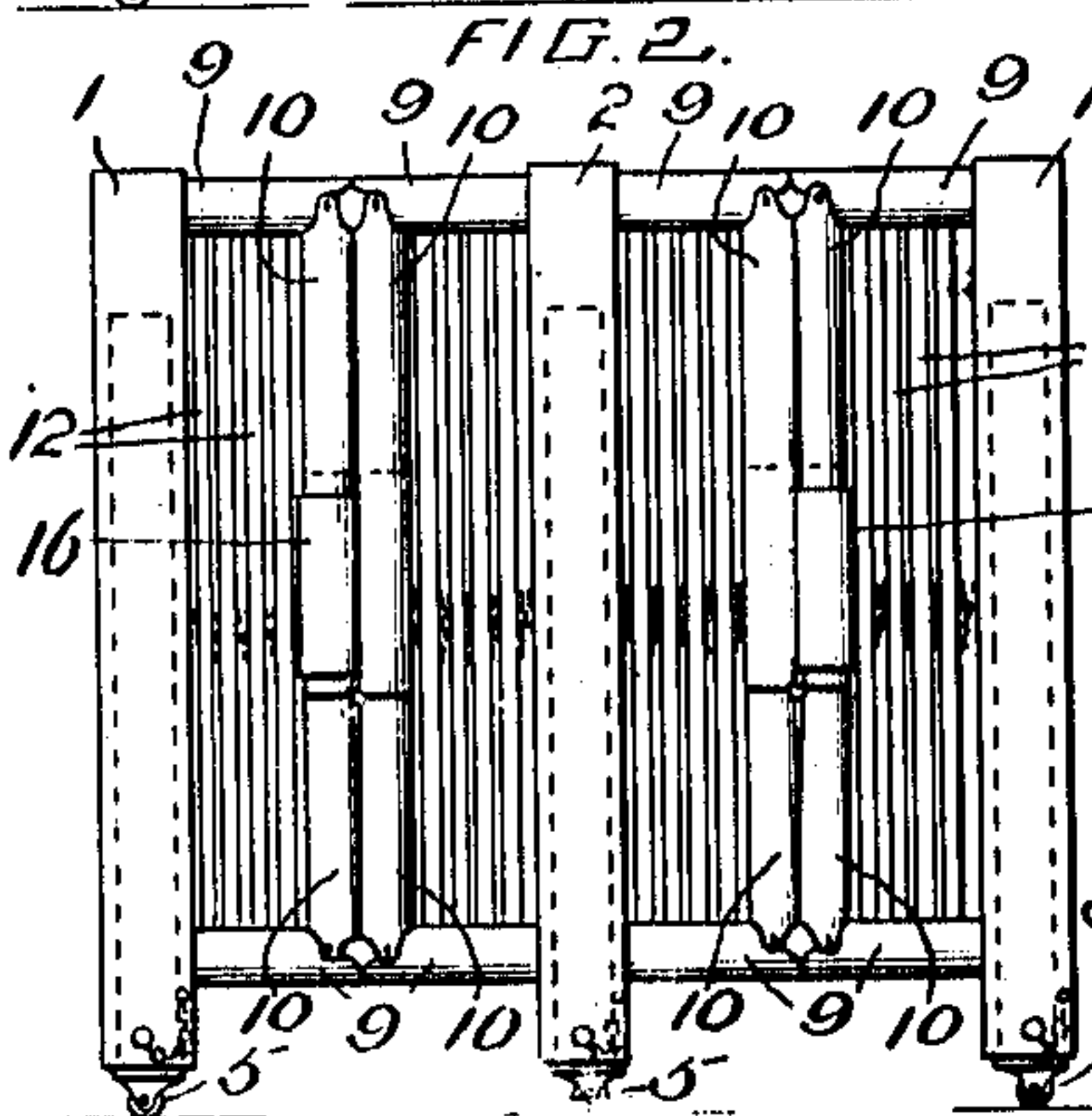
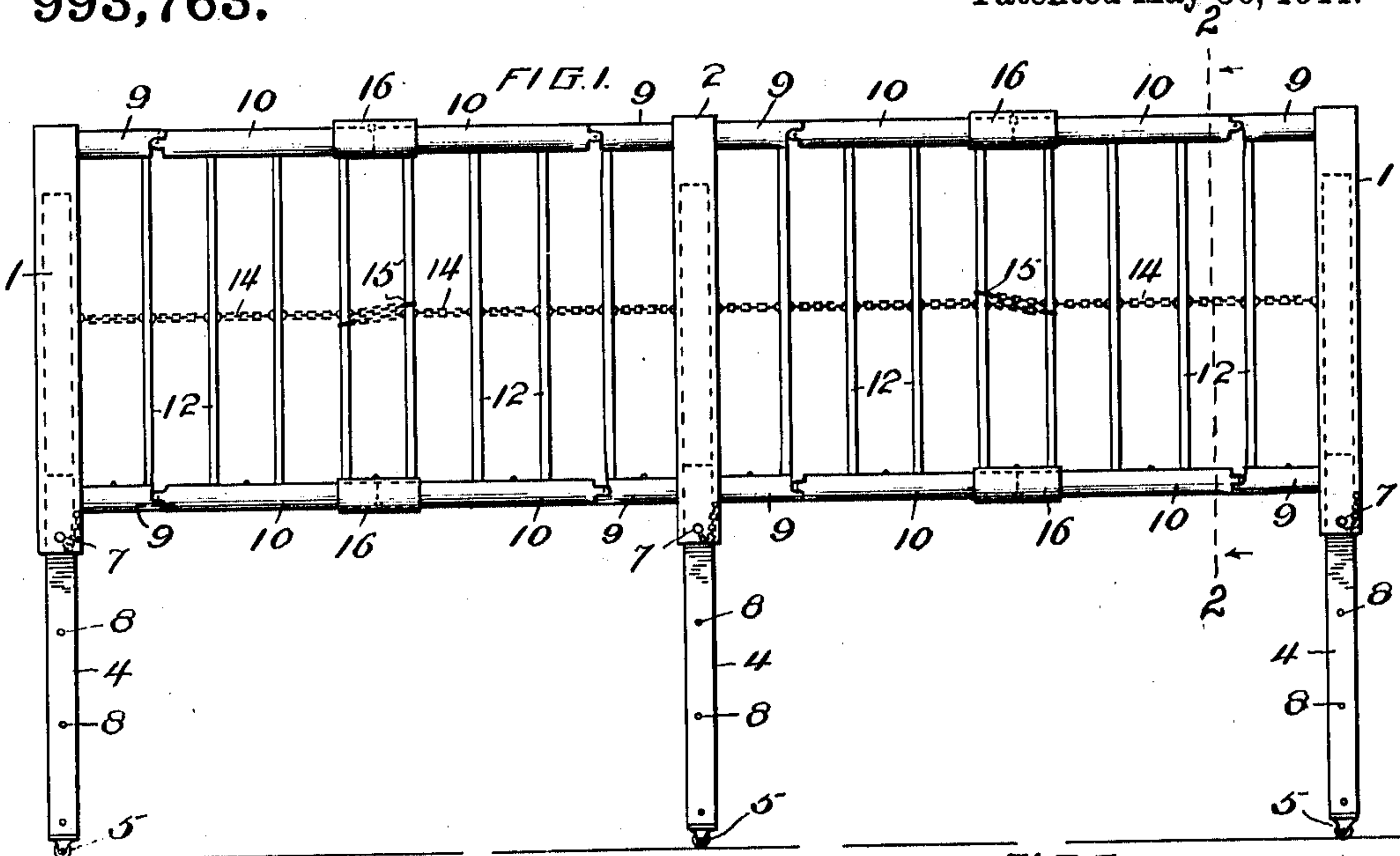


P. A. DE GROOT.
FOLDING CRIB.
APPLICATION FILED AUG. 30, 1910.

993,763.

Patented May 30, 1911.



WITNESSES:

W. F. Tayle.
L. D. Lindsay

FIG. 4.

P. A. De Groot
BY *Greely & McIntire*

Attorneys

UNITED STATES PATENT OFFICE.

PERRY A. DE GROOT, OF PHILADELPHIA, PENNSYLVANIA.

FOLDING CRIB.

993,763.

Specification of Letters Patent.

Patented May 30, 1911.

Application filed August 30, 1910. Serial No. 579,655.

To all whom it may concern:

Be it known that I, PERRY A. DE GROOT, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Folding Cribs; 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.

My invention relates to folding cribs and has for its object to provide a crib which may be readily folded so as to be packed for transportation in a trunk of usual size and when unfolded will form a strong crib of attractive appearance, and the invention consists in the construction and combination hereinafter described.

In the drawings Figure 1 is a side elevation of the crib as set up for use; Fig. 2 is a side view of the crib folded for transportation; Fig. 3 is a cross-sectional view on line *a-a* of Fig. 1; Fig. 4 is a side elevation of the crib partly folded; Fig. 5 is a detail view of the movable side bars; Fig. 6 is a detail view of the crib bottom.

Referring to the drawings, 1 represents the end posts of the crib and 2 represents the intermediate posts. These posts are formed of tubes and may be plain or ornamental as desired. Each pair of end posts are connected by upper and lower rods 3 which are preferably tubular and may be rigid as shown in Fig. 3 or may be constructed to be folded in the same manner as the sides. Each of the posts 1 and 2 is open at its lower end to receive a tube or rod 4 carrying at its lower end a roller or caster 5. The tubes or rods 4 are held in extended or collapsed position by means of pins 6 inserted in holes 7 in the posts and entering holes 8 in the tubes or rods 4. The tubes or rods 4 are preferably provided with a series of holes 8 to provide for adjusting the height of the crib as may be desired. Each of the posts 1 and 2 is provided near its upper and lower ends with short arms 9 to the free ends of which are hinged or pivoted folding side rods each consisting of two members 10, 10 hinged or pivoted together. The arms 9 and the members 10, 10, are formed of tubes slotted at 11, the slots of the upper arms 9 and members 10, 10, being on the under side and the slots of the lower arms 9 and members 10, 10 being on

the upper side. Upright bars 12 extend through the slots 11 into the interior of the arms 9 and members 10, 10, and have on their ends within the tubes of which these arms and members are formed, heads 13 of spherical shape adapted to slide within the tubes with very slight friction.

When the crib is folded up as shown in Fig. 2 the bars 12 have their heads 13 within the arms 9 and when the crib is unfolded and ready for use as shown in Fig. 1 the heads of only one of each group will be within the arm 9, the heads of the others being within the members 10, 10. In order that the bars 12 may be properly spaced apart when the crib is opened out they are connected about midway of their length by chains 14 or other flexible connection. Of the bars 12 between each end post 1 and the intermediate post 2 part are connected by chain 14 with the end post and part are connected with the intermediate post, the two groups being detachably connected when the crib is opened out by hooks 15 formed on the ends of the chains 14 of the adjacent members of the two groups.

For the purpose of holding the members 10, 10, rigid when the crib is opened out a sliding sleeve 16 may be provided. This sleeve is of course slotted to correspond with the slot 11 and is carried by one of the members 10 and is adapted to be slid over the joint between the two members when the crib is opened out as shown in Fig. 1. The pairs of end posts 1 may be connected by arms 9 and hinged or pivoted members 10, 10, if desired but it will ordinarily be sufficient to have them connected by rigid rods 3.

When the crib is to be packed for shipment or storage the hooks 15 will be first detached and each group of upright bars 12 will be slid along the member 10 toward the post to which the group is connected until the heads of all the bars of the group are within the arms 9 carried by that post. The sleeve 16 will then be slid off of the joint between the members 10 and the members 10 may then be doubled up as shown in Figs. 2 and 4, thus bringing the arms 9 on two adjacent posts nearly or quite into contact. Either before or after the crib is thus collapsed, the tubes or rods 4 are slid into the posts 1 and 2 and may be secured therein by pins 6. When thus collapsed the crib presents a compact package which may be

readily inclosed in a trunk of ordinary size. If the ends as well as the sides are made foldable the size of the package will be still further reduced. In opening the crib the
 5 procedure will be the reverse of that just described.

The bottom of the crib is preferably formed of canvas 17 as shown in Fig. 6, the canvas being preferably made somewhat
 10 smaller than the interior of the crib and is provided on its edges with springs 18 having at their ends hooks 19 adapted to en-
 15 gage the edges of the slots 11 of the lower arms 9 and members 10, 10, and also to en-
 gage the lower rods 3.

Having thus described my invention, what I claim is:

1. In a folding crib, the combination with upright posts, of rods connecting adjacent
 20 posts each comprising a pair of tubular hinged members provided with longitudinal slots and upright bars adapted to extend through the slots and provided with heads
 25 adapted to be moved within the tubular members.

2. In a folding crib the combination with upright posts carrying upper and lower slotted tubular arms, of a pair of tubular
 30 slotted members hinged together and each pivotally connected to an arm of adjacent posts, and upright rods extending into the slots, and having heads adapted to slidably engage the insides of said tubular arms and
 35 members.

3. In a folding crib the combination with

upright posts, of rods connecting two posts, each comprising a pair of tubular hinged members provided with longitudinal slots, sleeves slidably mounted on the rods adapt-
 40 ed to hold the hinged members rigid when the crib is in operative position, upright bars extending into the slots of said mem-
 45 bers and adapted to slide therein, and flexible means connected to the upright bars and to the posts, whereby the bars are held in a fixed position.

4. In a folding crib, the combination with upright tubular posts, of legs adapted to slide within the posts provided at their lower ends with rollers, the upright posts
 50 carrying upper and lower slotted tubular arms, a pair of tubular slotted members hinged together and each pivotally connect-
 55 ed to arms of adjacent posts, sleeves slidably mounted on the tubular members adapt-
 60 ed to hold the hinged portion rigid when the crib is in operative position, upright bars extending into the slots and having heads adapted to slidably engage the insides
 of said tubular arms and members, chains
 65 extending between the upright bars and the posts for holding the bars in a fixed position, and hooks on the end chains for en-
 gaging the adjacent bars.

In testimony whereof I affix my signa-
 65 ture in presence of two witnesses.

PERRY A. DE GROOT.

Witnesses:

CHARLES J. CRESWELL,
 WILLIAM T. DICKSON.