

No. 740,885.

PATENTED OCT. 6, 1903.

E. LUDFORD, JR.
STAKE HOLDER FOR LOGGING CARS.

APPLICATION FILED FEB. 16, 1903.

NO MODEL.

Fig. 1.

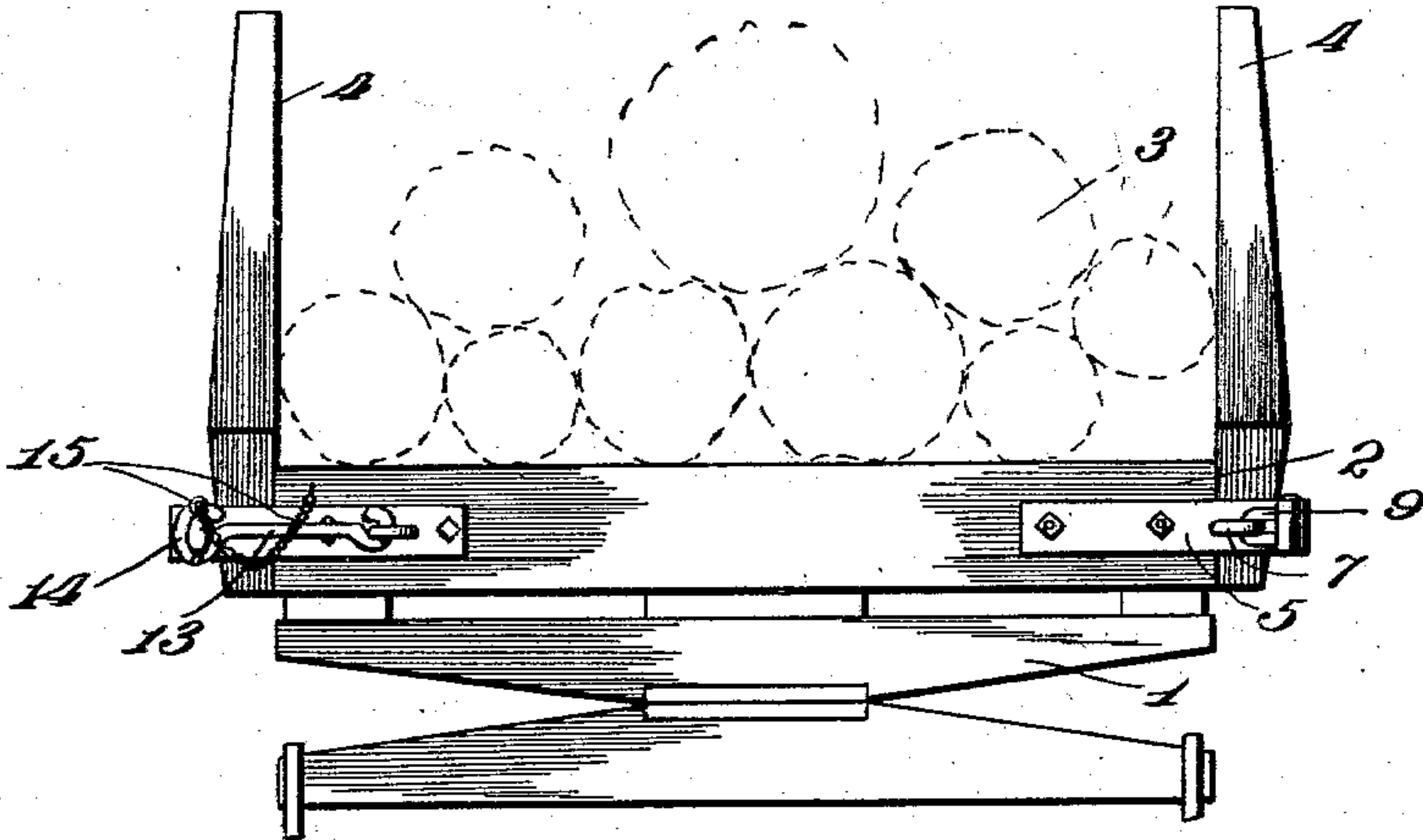


Fig. 2.

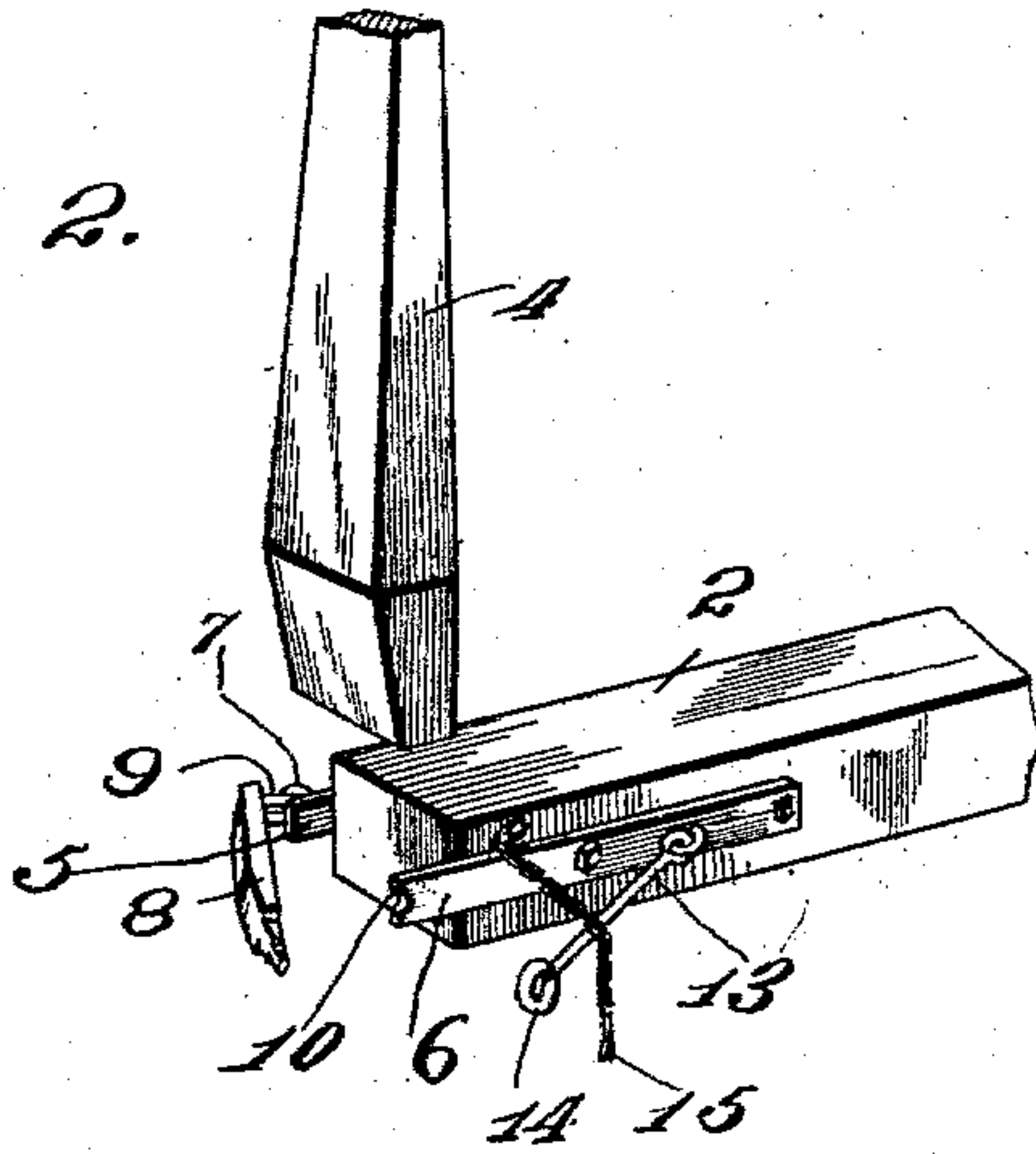


Fig. 4.

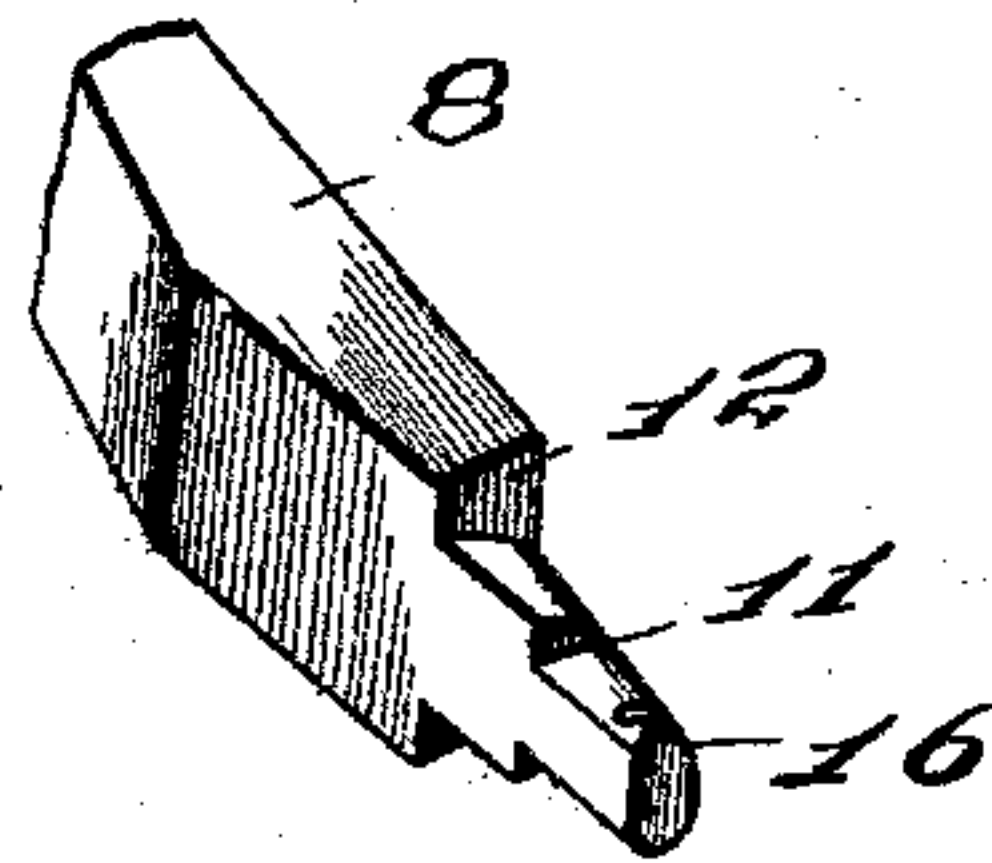
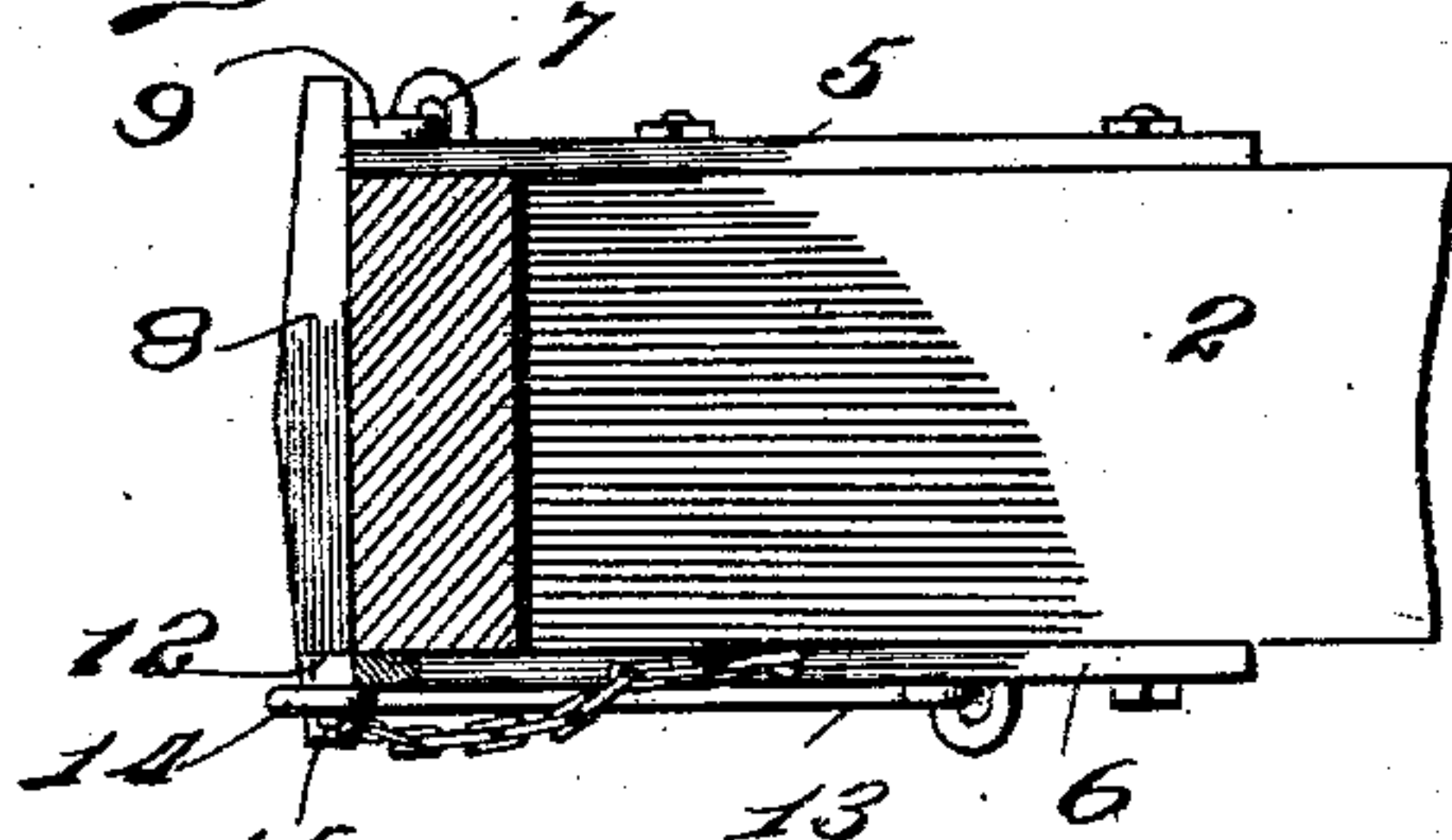


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

ALBERT S. MARTEN, OF EAST ORANGE, NEW JERSEY.

STAND OR SUPPORT FOR HORNS.

SPECIFICATION forming part of Letters Patent No. 740,886, dated October 6, 1903.

Application filed February 1, 1902. Serial No. 92,188. (No model.)

To all whom it may concern:

Be it known that I, ALBERT S. MARTEN, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Stands or Supports for Horns, &c.; 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, reference being had to the accompanying drawings, and to letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to certain improvements in that class of folding racks for supporting amplifying-horns in which a central standard is provided with legs arranged so that they are adapted to be turned from their inclined relations, in which they serve to hold said central standard erect, to a position parallel with said standard, the objects of the invention being to reduce the cost of construction, to secure a more compact folding and a more simple appearance when folded, to facilitate the operation of folding and unfolding, and to obtain other advantages and results, some of which may be referred to hereinafter in connection with the description of the working parts.

The invention consists in the improved stand or support for horns, &c., and in the arrangements and combinations of parts of the same, all substantially as will be hereinafter set forth and finally embraced in the clauses of the claim.

Referring to the accompanying drawings, in which like characters of reference indicate corresponding parts in each of the several figures, Figure 1 is a side elevation of the improved stand. Fig. 2 is a side elevation of the lower part folded. Fig. 3 is a side elevation of the upper part folded. Fig. 4 is a section taken at line *x*, Fig. 2. Fig. 5 is a section taken at line *y*, Fig. 2. Fig. 6 is a section taken at line *z*, Fig. 1; and Fig. 7 is a detail section showing the pivotal connection of a leg and brace.

In said drawings, *a* indicates the central standard, having a head *b* at its upper end and oppositely-extending lugs *c* at its lower end, the latter being preferably formed inte-

gral with a foot-collar *d*, secured at the lower extremity of said standard. Said standard is preferably tubular and adapted to receive a sliding extension *e* of said standard, which latter enters telescopically into said standard when the stand or support is collapsed or folded. A set-screw *f* in the head *b* serves to hold the extension in its normally operative position, in which it is partly withdrawn from the said standard. At the upper end of the sliding extension is fixed a bearing *g*, consisting of a piece bent around the extension, the opposite ends projecting laterally and lying a little apart in parallel relation to form ears *h*, between which a rod *i* is pivoted, the pivot *j* extending through said ears and rod, as will be understood. Said rod is free to turn pivotally in one direction to a position of parallelism with said extension and in the opposite direction to an inclined position. (Shown in Fig. 1.)

The inclined rod *i* at its end opposite the one pivoted to the bearing *g* supports a second inclined rod *k*, provided with suspensory or other means *l*, by which the horn is attached and held substantially in vertical line with the standard. The said rod *k* may be folded or otherwise brought into parallel relation with the rod *i*, and the two in turn are brought into parallel relation with the standard *a* by any suitable means; but for the purposes of this case I prefer to loosely connect the two rods together by means of the link *m* and pivots *n n'*, and at the lower end of said rod *k* I provide a catch or hook *o*, adapted to engage the cooperating catch *p*, whereby the parts when brought to a proper horn-supporting position may be caught and retained in such position.

Upon the standard *a* are two sliding collars *qr*, adapted to be set on said standard by set-screws *st*. Said collars are each provided with integral ears *u u'*. On the ears of the upper collar are pivoted the legs *v*, on which the standard is supported and held firmly erect. Said legs are \cap -shaped in cross-section, being folded to engage the opposite sides of the ears *u*. Upon the ears *u'* of the lower collar are pivoted the folding \cap -shaped braces *w*, which are limited in their pivoted movements by the closed backs of the U-shaped braces bearing against the tops of the ears *u'* when said braces

13, which latter consists of a rod provided at its outer end with an eye or substantially closed hook, as 14, which latter is designed to be passed over the reduced end 11 of the
5 hasp 8 and held in position by means of a pin, preferably a split or cotter pin, as 15, passed through an aperture 16, provided in the outer end of the hasp 8. The locking-rod 13 is preferably pivoted or hinged at its
10 inner end to the outer face of the side plate 6 in any suitable manner, but preferably by forming an eye on said plate, to which the said inner end of the locking-rod 13 is secured by forming said rod with a closed or
15 substantially closed eye. By forming the concavity or recess 10 in the outer edge of the side plate 6 instead of on top of the same the said side plate is not weakened and heavy logs striking the same in unloading a car will
20 not break off the end of said plate.

It will be observed that by hinging or pivoting the hasp and also the locking-bar on the outer faces of the side plates they will be knocked to one side by the falling logs if they
25 do not automatically drop to said positions and will be out of the way and free from further shock and likelihood of destruction.

Having thus fully described my invention, what I claim as new, and desire to secure by
30 Letters Patent, is—

1. In a stake-holder for logging-cars, the combination with a bolster, of two plates secured to the sides thereof and projecting beyond the end thereof, one of said plates being
35 provided with a notch or depression in its outer vertical edge, a hasp hinged to the outer face of the other plate and provided with a reduced end which engages the notch or recess in the vertical face of the other plate,

and means for engaging the reduced end of 40 the hasp for holding the hasp in a locked condition, substantially as described.

2. In a stake-holder for logging-cars, the combination with a bolster, of two plates secured to the sides thereof and projecting be- 45 yond the end thereof, one of said plates being provided with a notch or depression in its outer vertical edge, a hasp hinged to the outer face of the other plate and provided with a reduced end which engages the notch or re- 50 cess in the vertical face of the other plate, a locking-bar pivoted to the outer face of the plate provided with the recess, and provided in its outer end with an eye which fits over the reduced end of the hasp, substantially as 55 described.

3. In a stake-holder for logging-cars, the combination with a bolster, of two plates secured to the sides thereof and projecting be- 60 yond the end thereof, one of said plates being provided with a notch or depression in its outer vertical edge, a hasp hinged to the outer face of the other plate and provided with a reduced end which engages the notch or re- 65 cess in the vertical face of the other plate, said reduced end being provided with an aperture, a locking-bar pivoted to the outer face of the plate provided with the recess, and provided in its outer end with an eye which fits over the reduced end of the hasp, sub- 70 stantially as described.

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

ENOCH LUDFORD, JR.

Witnesses:

W. W. STARKE,
C. T. FOREMAN.