

(No Model.)

D. MACK.
BUGGY TOP LOWERER.

No. 442,812.

Patented Dec. 16. 1890.

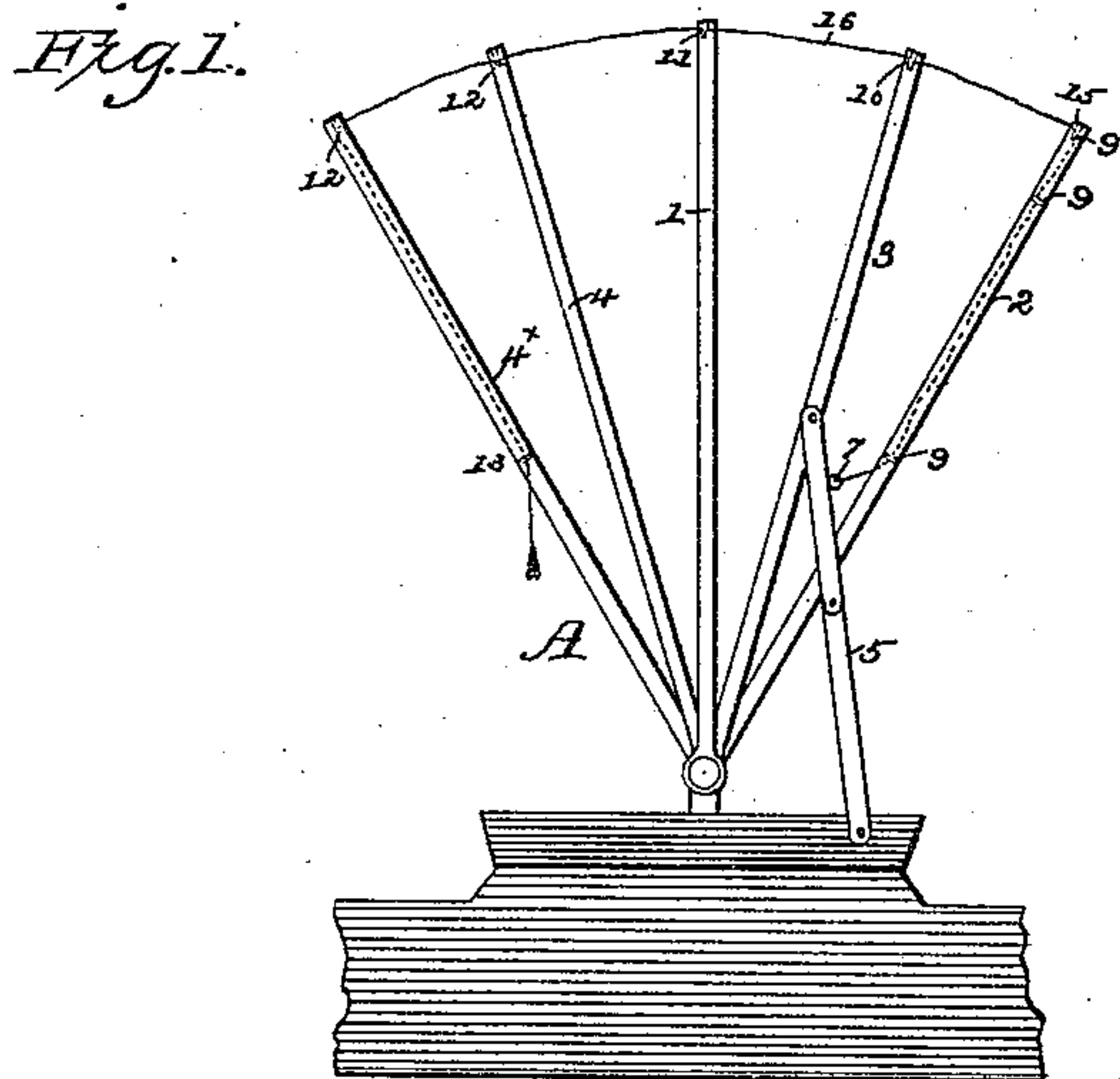
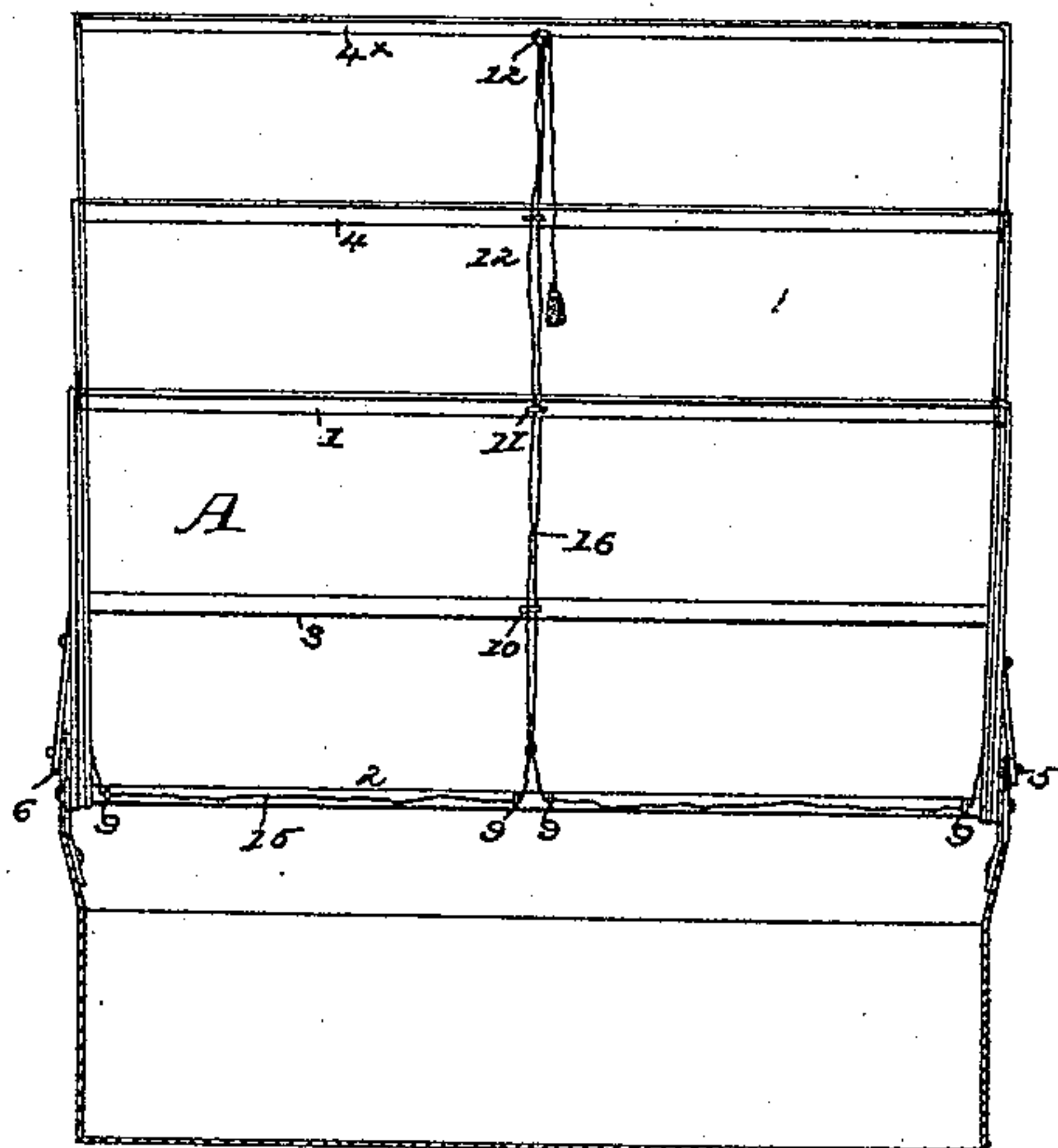
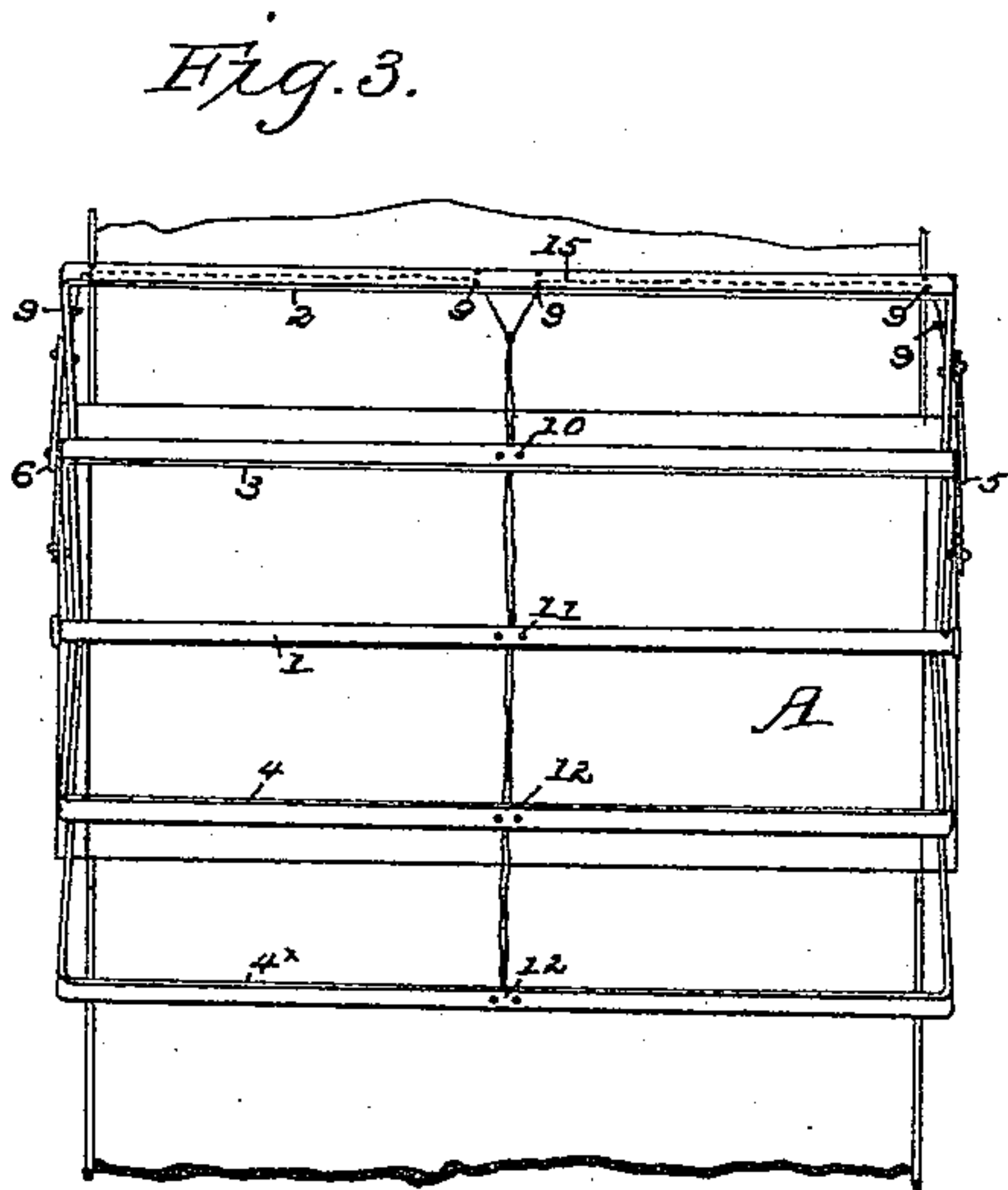


Fig. 2.



WITNESSES

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BUGGY-TOP LOWERER.

SPECIFICATION forming part of Letters Patent No. 442,812, dated December 16, 1890.

Application filed November 16, 1889. Serial No. 330,611. (No model.)

To all whom it may concern:

Be it known that I, DAVID MACK, a citizen of the United States of America, residing at Dana, in the county of Vermillion and State of Indiana, have invented certain new and useful Improvements in Buggy-Top Lowerers, of which the following is a specification.

My invention relates to improvements in means for dropping or lowering a buggy-top with one hand while sitting in the seat, so as to make it convenient in getting in or out, especially in getting out in case of danger, as the top may be thrown back out of the way at any time, whether the side curtains are on or not, by simply pulling a cord suitably arranged above, which is connected to the jointed brace-rods in such a manner as to break their joints and allow the top to fall back.

Reference being had to the accompanying drawings, Figure 1 is a side view of a buggy-top with my improvement attached thereto. Fig. 2 is a front view, the top being thrown back. Fig. 3 is a modification.

A designates a buggy-top, which may be of any of the usual approved constructions, consisting, generally, of a main bow 1, having pivotally connected thereto the additional bows 2, 3, and 4, and jointed brace-rods 5 6 arranged on opposite sides of the bow-frame, and having their upper ends pivoted to the main bow and their lower ends similarly connected to a support on the seat or body. To each upper limb of the jointed braces is secured an eye 7 8 at about the middle thereof, and on the rear bow 2 are secured a suitable number of eyes 9, which constitute leaders for the lifting and lowering cord. Eyes 10 11 12 are also secured to the middle of each of the other bows, and on the front bow may be other eyes 13 14, substantially as seen in the drawings. A cord 15 is passed through the eyes on the rear bow and has its ends secured to the eyes on the jointed brace-rods 5 6. To the middle of the cord 15 is fastened one end of the pull-cord 16, which is passed through the eyes on the middle of the forward bows, as seen in the drawings. This pull or hand cord may be double and have its

respective strands carried through the eyes 50 on the front bow and the extending ends left of such length as to be convenient to the hand from either side of the vehicle, or the end of the pull-cord 16 may be secured to a cord running through the eyes on the front bow 55 and arranged as stated, the purpose being to connect the part to be grasped by the hand with the ends connected to the jointed brace-rods that a pull at the front will break the joints of the brace-rods and let the top free 60 to swing back and down.

The operation is as follows: To let the top down while the party is sitting in the vehicle, the end of the cord is grasped by the hand at either side or overhead and pulled 65 downward. At the same time a push backward is given. This breaks the joints of the brace-rods and pushes the top back on its bearings, and it is thus quickly and with certainty let back and down. 70

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

The combination of the buggy-top, provided with a number of cord-supporting eyes on the inner face of the sides and top of the rear bow of the top and centrally-arranged cord-supporting eyes on each of the other bows, jointed brace-rods having their upper ends pivoted to one of the forward bows of the top 75 and their lower ends pivotally secured to a support, a cord arranged in the cord-supporting eyes of the rear bow and having its ends fastened to the upper limbs of the jointed brace-rods, and a pull-cord arranged in the centrally-located cord-supporting eyes of the forward bows and having one end fastened to the middle of the cord in eyes of the rear bow and its front end depending for a hand grasp, substantially as and for the purpose 80 specified. 90

In witness whereof I have hereunto set my hand in the presence of two attesting witnesses.

DAVID MACK.

Attest:

F. N. AUSTIN,
GEO. W. ALLEN.