

(No Model.)

J. J. HAMMER.
ADJUSTABLE SCAFFOLD SUPPORT.

No. 450,570.

Patented Apr. 14, 1891.

Fig. I.

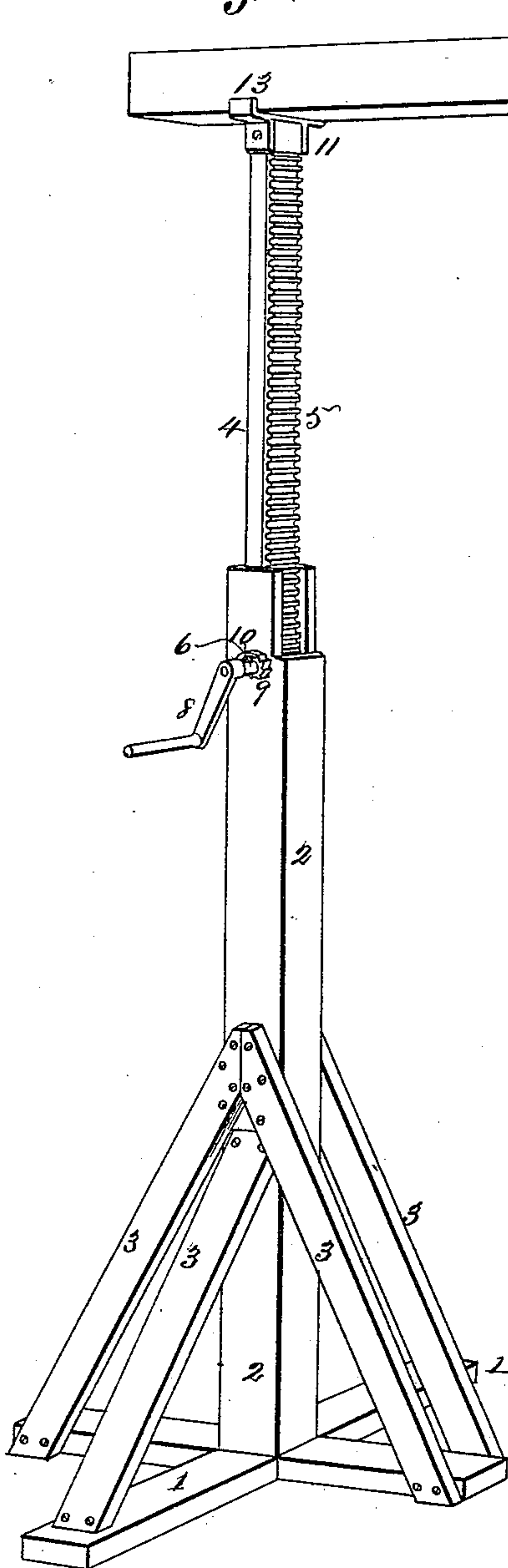


Fig. II.

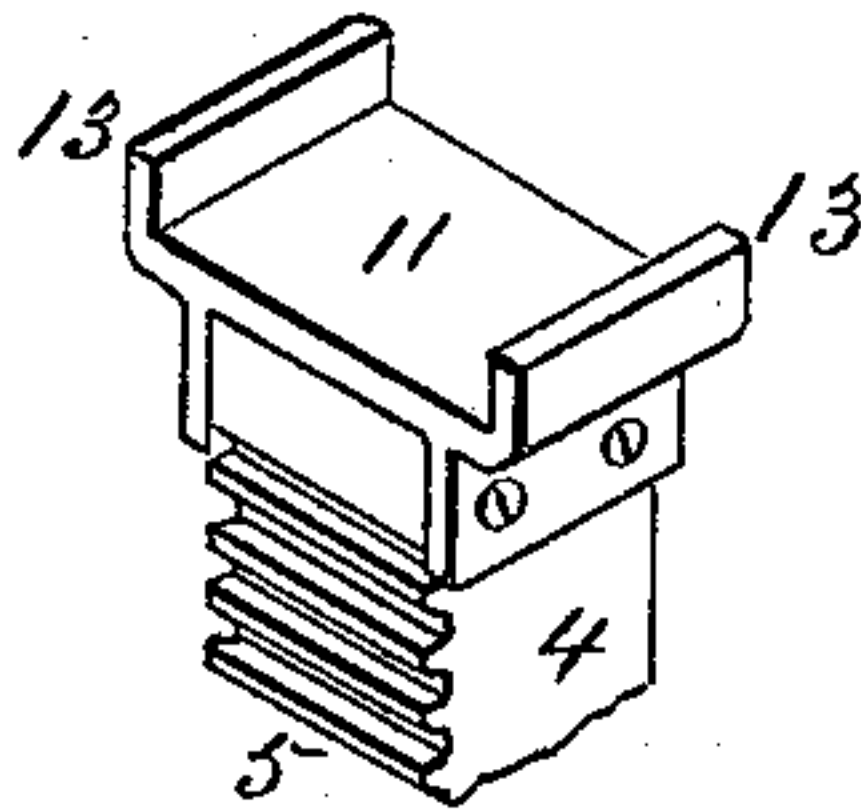


Fig. III.

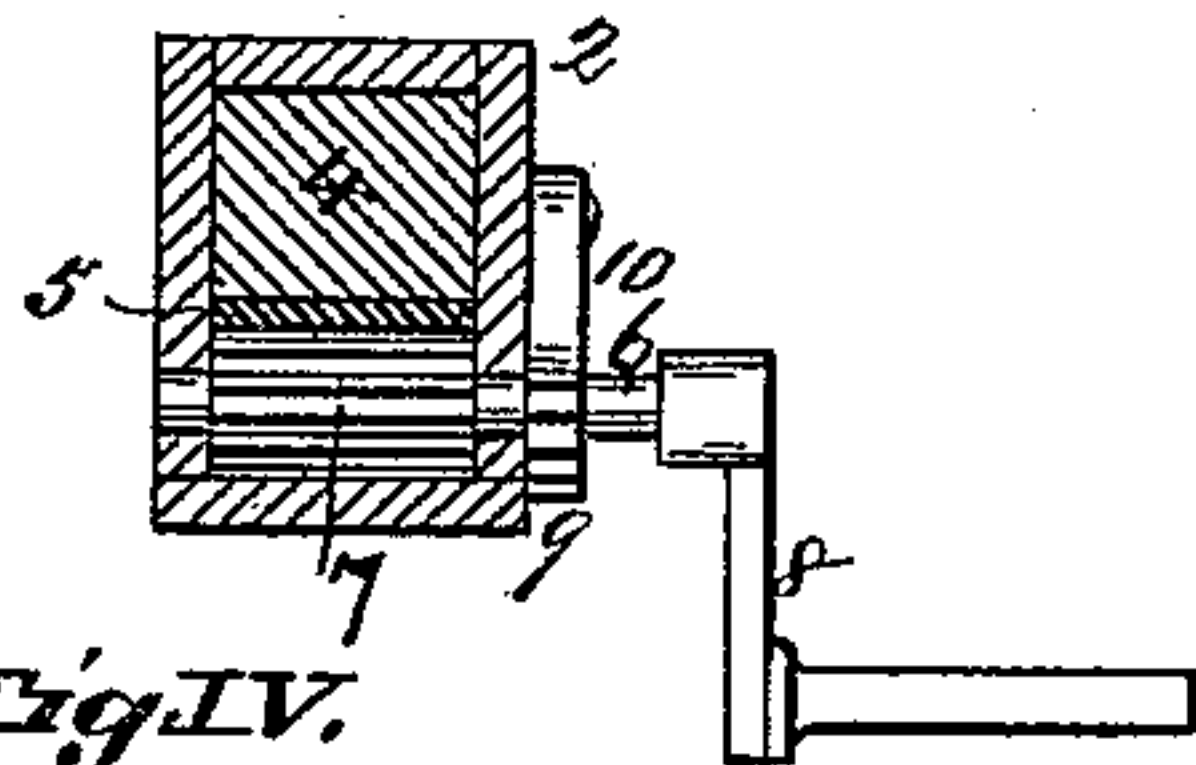
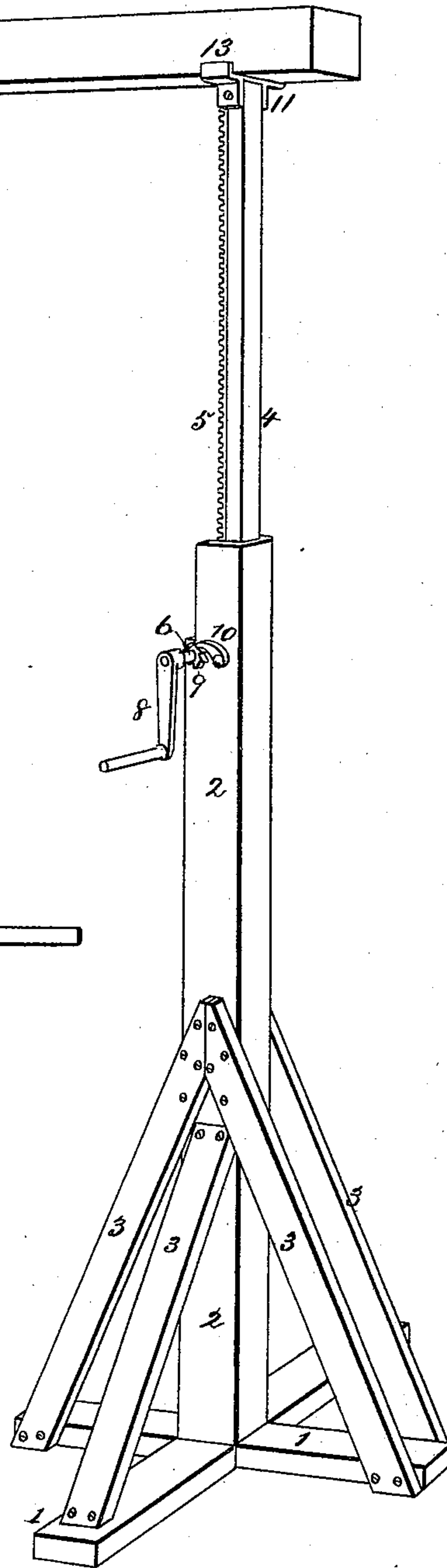
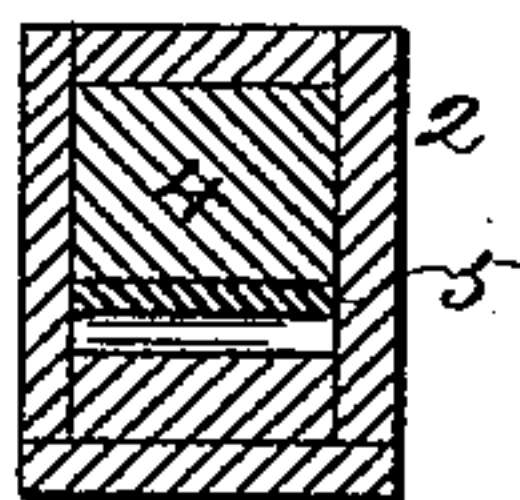


Fig. IV.



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ADJUSTABLE SCAFFOLD-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 450,570, dated April 14, 1891.

Application filed October 16, 1890. Serial No. 368,321. (No model.)

To all whom it may concern:

Be it known that I, JENS J. HAMMER, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Adjustable Scaffold-Supports, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 This invention relates to a vertically-adjustable support for scaffolds, the novel features being set forth in the claim.

Figure I is a perspective view of two of the supports. Fig. II is a perspective view of one 15 of the heads; Fig. III, a horizontal section through the lifting mechanism. Fig. IV is a horizontal section through the support below the lifting mechanism.

20 The base is extended, having a crucial base-frame 1 resting on a floor or the ground.

2 is a tubular post or standard ascending from the middle of the base.

3 are braces extending from the base-frame to the standard.

25 4 is a bar working vertically in the standard and having upon its side a cog-rack 5.

6 is a shaft having journal-bearing in the standard and carrying a spur-wheel 7, engaging the cog-rack 5, so that by turning the 30 shaft the bar 4 may be moved vertically.

8 is a hand-crank upon the shaft 6.

9 is a ratchet-wheel on the shaft, and 10 is a dog adapted to engage the ratchet-wheel and prevent retrograde rotation of the shaft and downward movement of the bar 4. The power 35 of the hand-crank of the rack-bar 4 may be increased by usual cog-gear in a manner too well known to need detailed description.

The rack-bar 4 has a metal head 11, adapted to receive a beam 12, and having upturned 40 right-angled flanges or lips 13 to restrain the beam from side movement.

The bases 1 of the supports are sufficiently extended to give stability to the scaffold upon them, so that no additional stays are required 45 in ordinary cases.

I claim as my invention—

A support for scaffolds having an extended crucial base 1, a tubular post 2, braces 3, extending from the base to said post 2, a bar 4, 50 working in the post and having upon its side a cog-rack 5, a head 11, having upturned right-angled flanges 13, a cog-wheel mounted upon a hand-crank shaft and engaging the cog-rack 5, and a ratchet-wheel 9 and dog 10, all 55 substantially as herein set forth.

JENS J. HAMMER.

In presence of—

SAML. KNIGHT,
A. M. EBERSOLE.