

No. 685,984.

Patented Nov. 5, 1901.

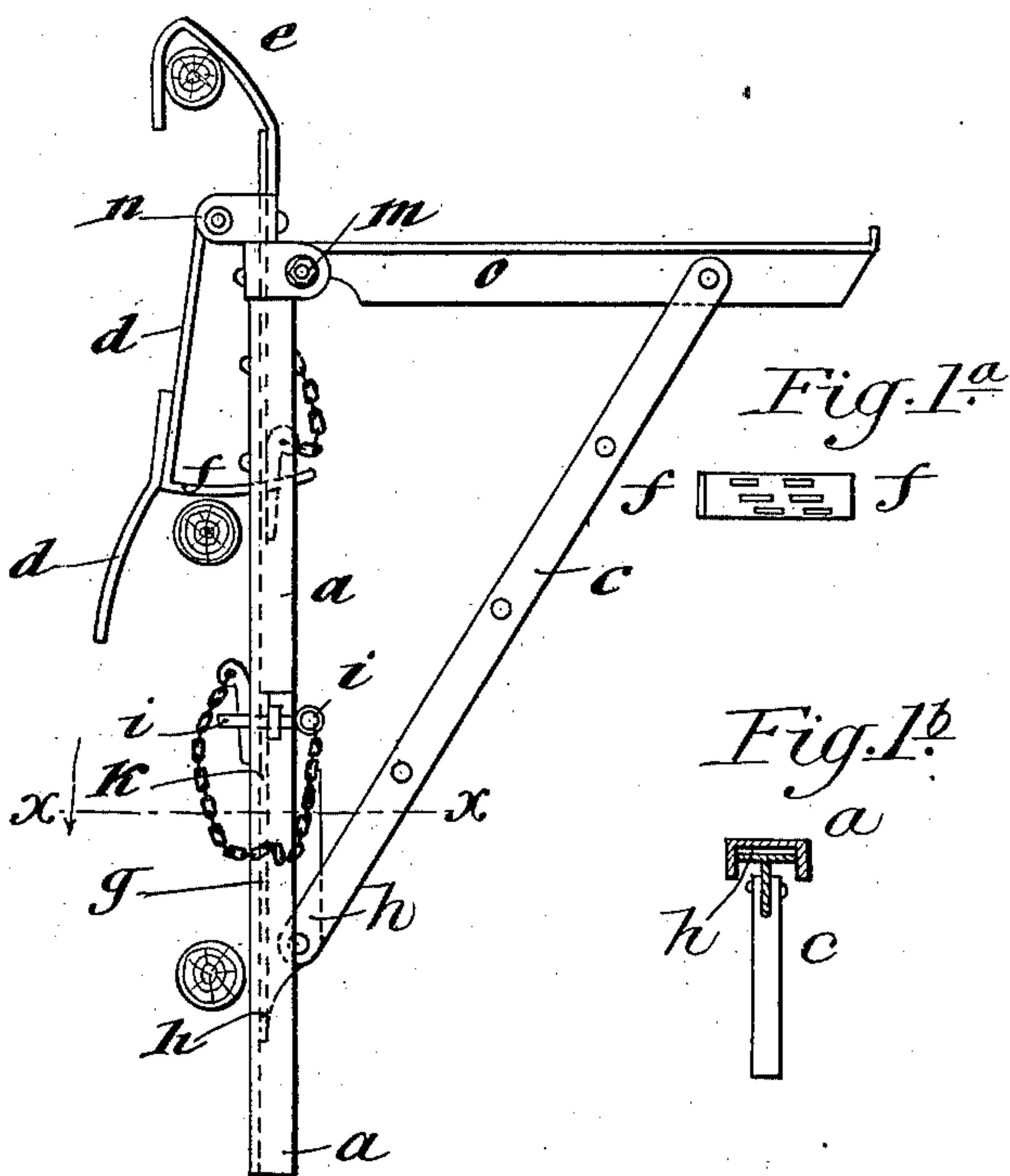
M. C. A. HEIDEN.  
LADDER BRACKET FOR SCAFFOLDING.

(Application filed Feb. 7, 1901.)

(No Model.)

3 Sheets—Sheet 1.

*Fig. 1.*



Witnesses.

J. D. McMahon.

G. S. Maple

Inventor,  
Max Carl Albert Heiden  
by P. Singer.  
Att'y.

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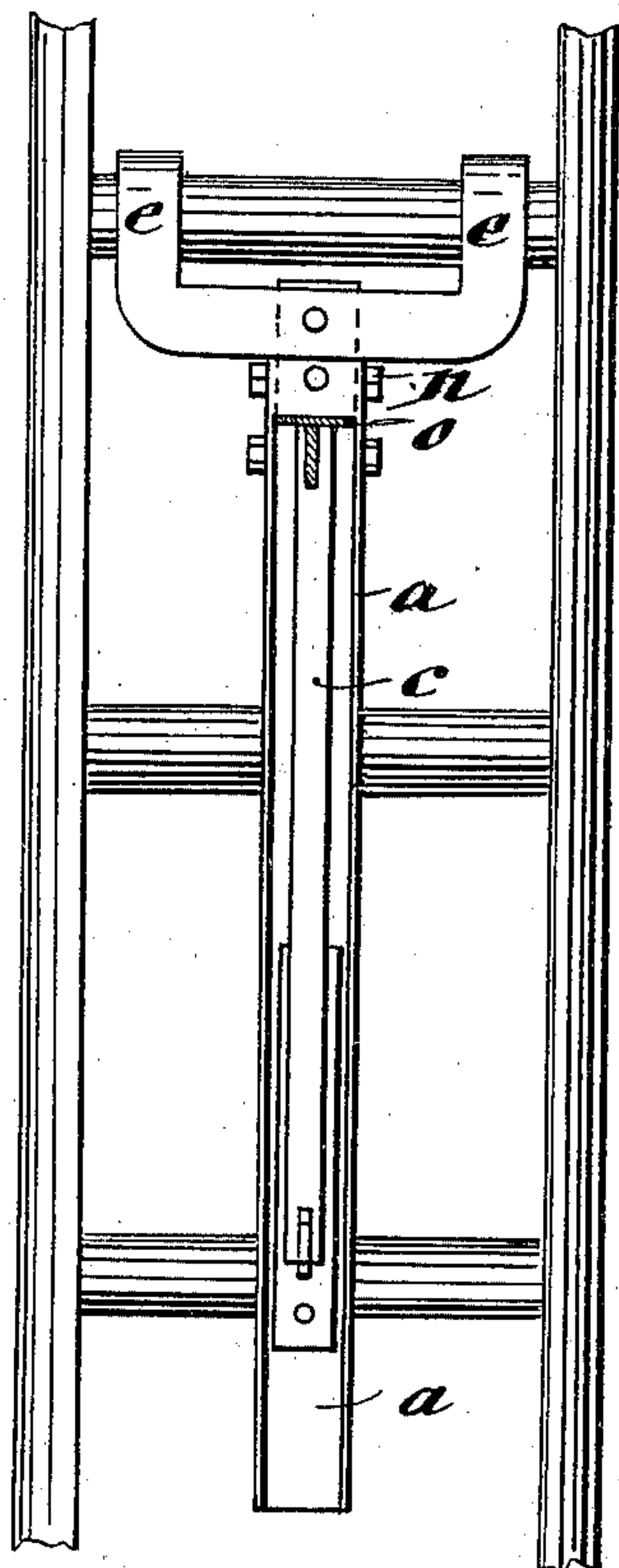
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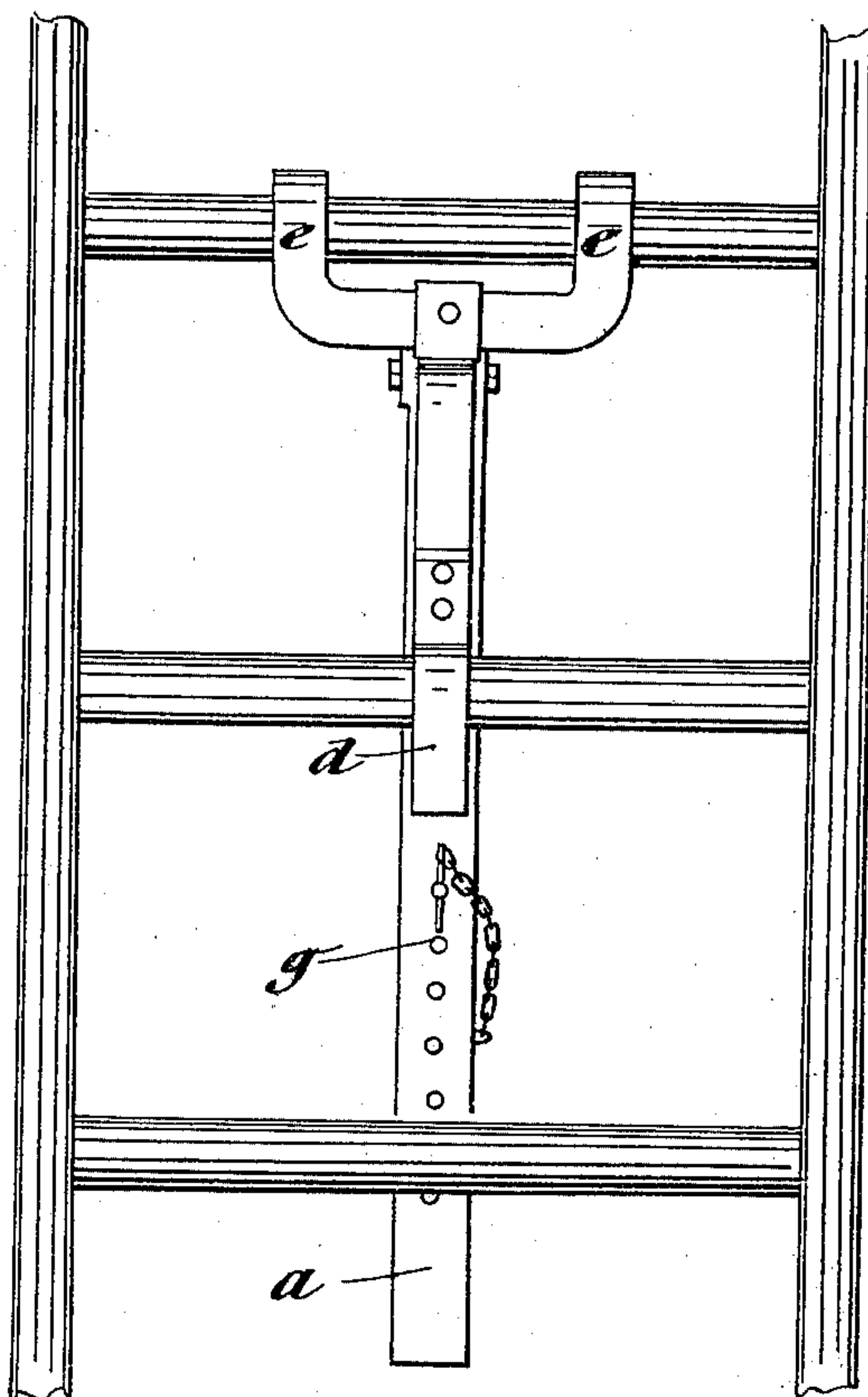
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*Fig. 2.*



*Fig. 3.*



Witnesses:

*J. D. McMahon.*

*G. S. Noble*

Inventor,  
*Max Carl Albert Heiden*  
*by F. D. Singer.*

Att'y.

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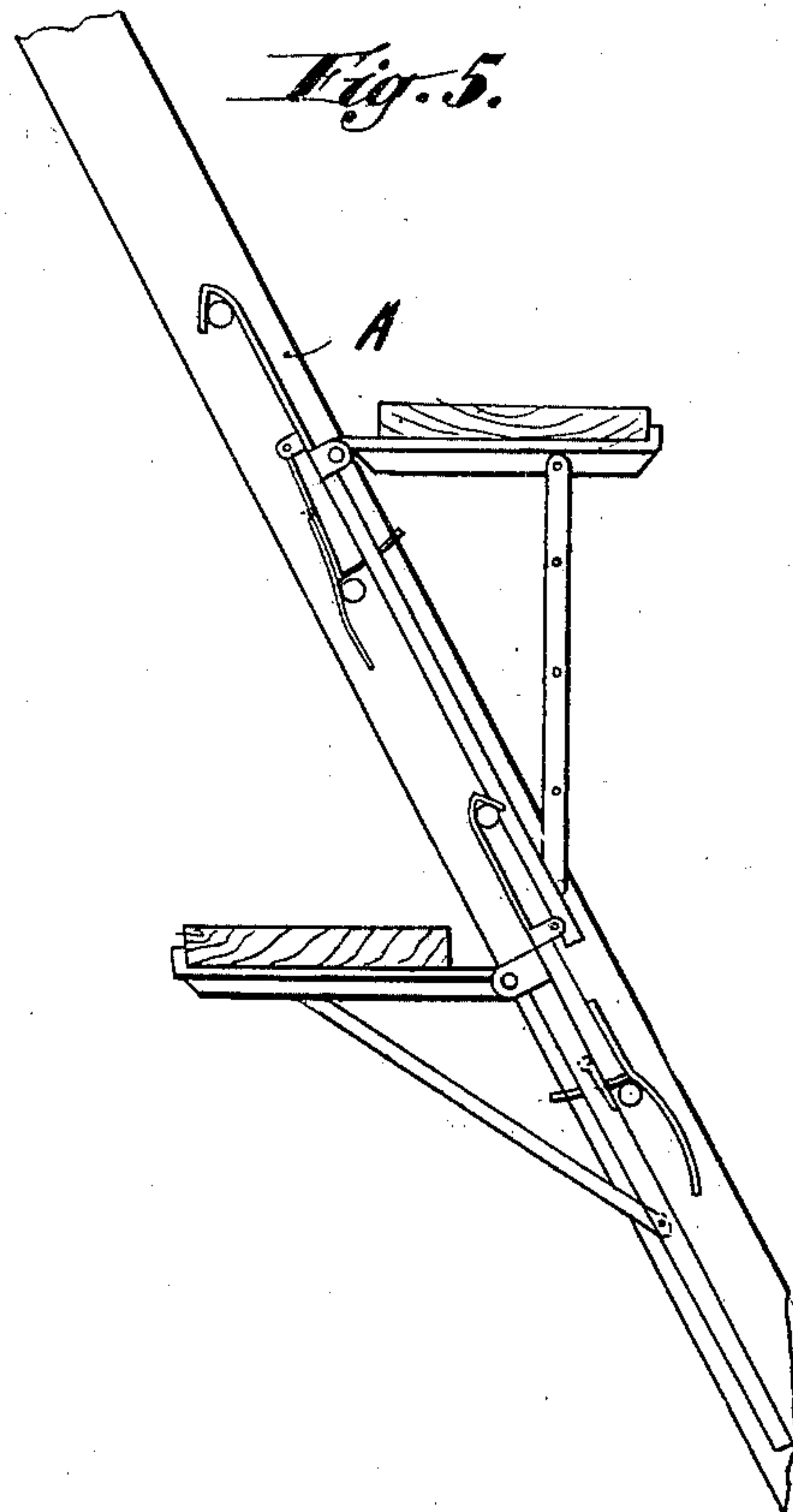
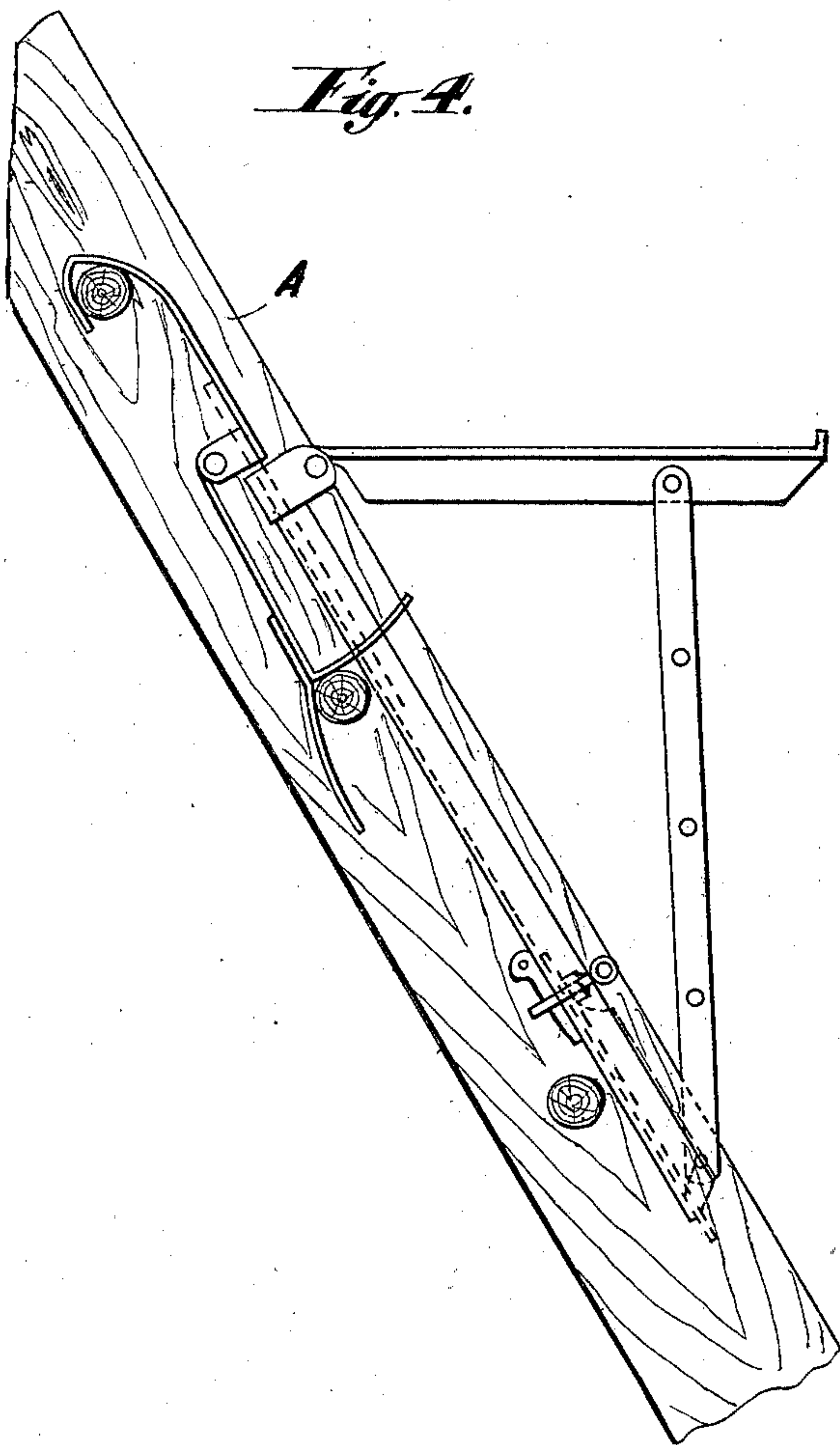
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3 Sheets—Sheet 3.



Witnesses:

J. D. Mc Mahon.

G. S. Noble

Inventor,  
Max Carl Albert Heiden  
by F. Singer  
Att'y.



# UNITED STATES PATENT OFFICE.

MAX CARL ALBERT HEIDEN, OF MULHEIM-ON-THE-RUHR, GERMANY.

## LADDER-BRACKET FOR SCAFFOLDING.

SPECIFICATION forming part of Letters Patent No. 685,984, dated November 5, 1901.

Application filed February 7, 1901. Serial No. 46,391. (No model.)

*To all whom it may concern:*

Be it known that I, MAX CARL ALBERT HEIDEN, a subject of the German Emperor, and a resident of Mulheim-on-the-Ruhr, Germany, have invented certain new and useful Improvements in Ladder-Brackets for Scaffolding, of which the following is a specification.

My present invention relates to ladder-scaffoldings, the object being to provide simple but most practical brackets adapted to be readily attached to ladders for the purpose of constructing scaffoldings.

The invention consists of the construction and novel combination of parts fully described and claimed hereinafter.

In the accompanying drawings, Figure 1 is a side elevation of the improved bracket. Fig. 1<sup>a</sup> is a detail in top plan of a part indicated in the preceding figure, and Fig. 1<sup>b</sup> a section on the line  $x x$  of said Fig. 1. Fig. 2 is a front view of same in place on a ladder. Fig. 3 is a rear view of Fig. 2. Figs. 4 and 5 are side elevations of the device applied to inclined ladders.

Referring to the drawings, A is an ordinary ladder.

$a$  is a supporting-bar, preferably made of U-iron and the upper end of which is provided with a suitable double hook  $e$ , to which is hinged at  $n$  a lever  $d$ , having a curved lower end and carrying a stirrup  $f$ , extending through the main part  $a$ . The stirrup  $f$  is provided with obliquely-arranged slots, Fig. 1<sup>a</sup>, and serves to secure the lever  $d$  on a step of the ladder by means of a pin.

Hinged at  $m$  to the upper end of the bar  $a$ , under the hook  $e$ , is an arm  $o$ , pivotally connected by means of a brace-bar  $c$  to a slide-block  $h$ , provided with two perforations corresponding to holes  $g$  in the bar  $a$  for the purpose of enabling the lower end of the brace-bar  $c$  to be adjusted vertically. The slide-block  $h$  is locked in position by means of a pin  $i$ , extending through said slide-block and held in place by means of a cross-pin  $k$ .

In practice the improved bracket is used

as follows: The hooks  $e$  are fitted over a step of the ladder and the lever  $d$  is pressed against the next step, the stirrup  $f$  being then locked by means of a pin. The slots in the stirrup  $f$  are arranged obliquely for the purpose of enabling said stirrup to be locked on steps of varying shape and thickness. Hereupon the arm  $o$  is adjusted to the desired position by properly adjusting the slide-block  $h$  and locking same by means of the pin  $i$ . It will be noted that the load is always supported on the steps of the ladder.

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

1. In combination with an ordinary ladder, an adjustable bracket, comprising a hooked supporting-bar adapted to be held on a step of the ladder and applied against the latter, a lever hinged to the upper end of said bar, a stirrup carried by said lever and adapted to fit over a step of the ladder, means for locking said stirrup in place, an adjustable arm hinged to the supporting-bar and adapted to support the platform, and means for adjusting said arm, substantially as set forth.

2. In combination with an ordinary ladder, an adjustable bracket, comprising a hooked supporting-bar adapted to be held on a step of the ladder and applied against the latter, a lever hinged to the upper end of said bar, a stirrup carried by said lever and adapted to fit over a step of the ladder, means for locking said stirrup in place, an adjustable arm hinged to the supporting-bar and adapted to support the platform, a supporting-bar, a brace-bar pivotally connected to said arm and said slide-block and means for locking the slide-block in adjusted positions, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two witnesses.

MAX CARL ALBERT HEIDEN.

Witnesses:

C. SCHER,

GREGORY PHELAN.