

No. 606,724.

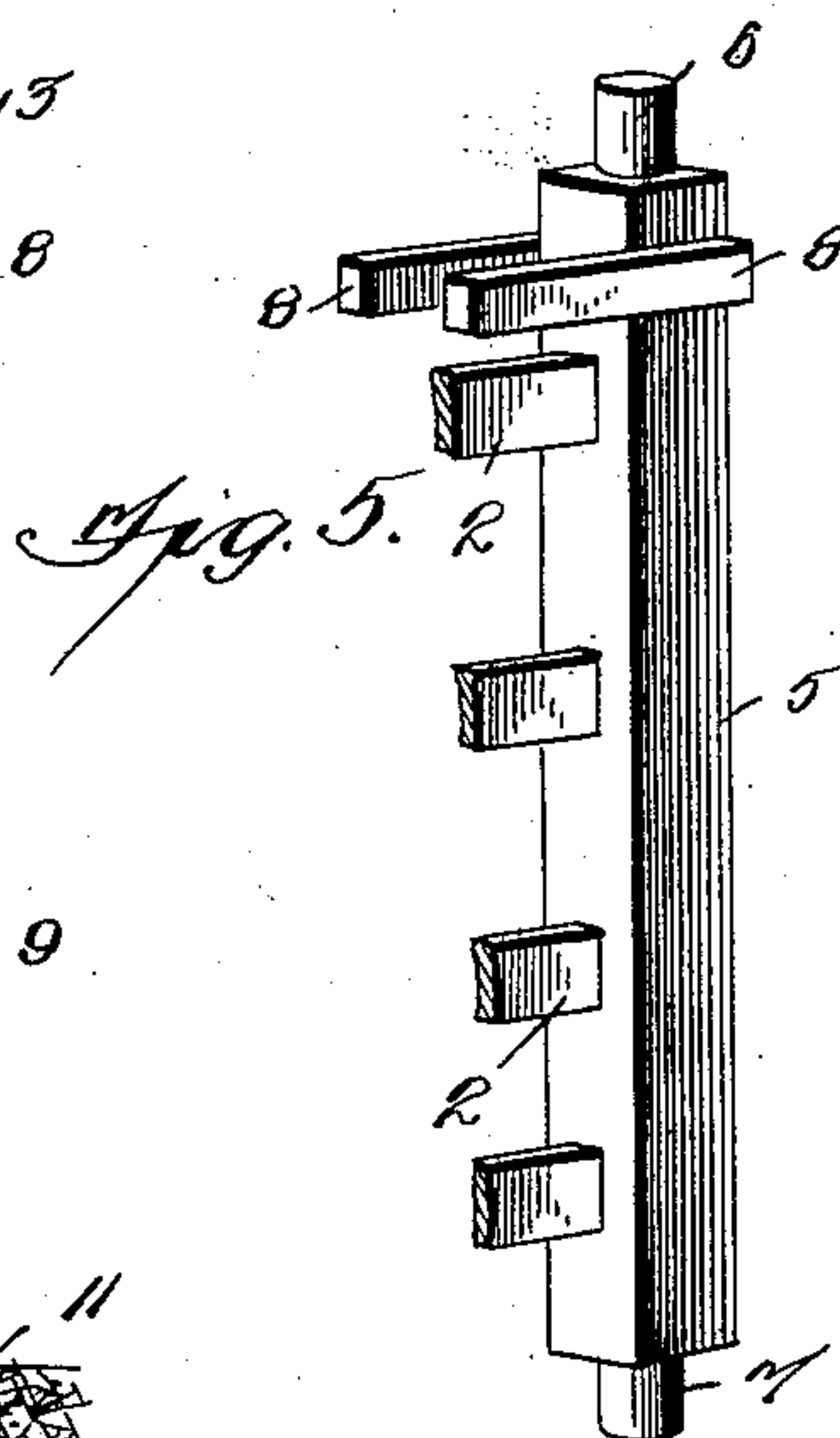
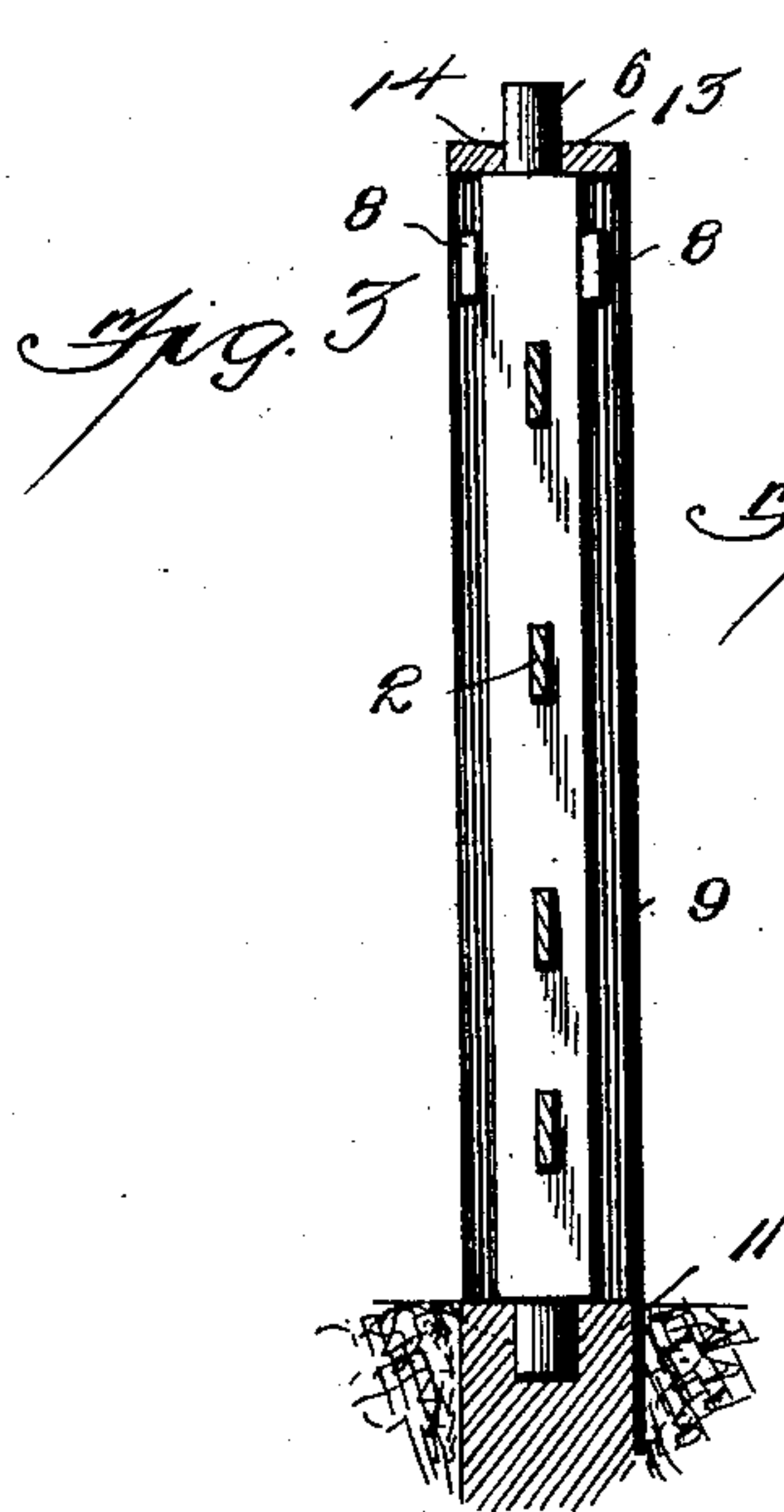
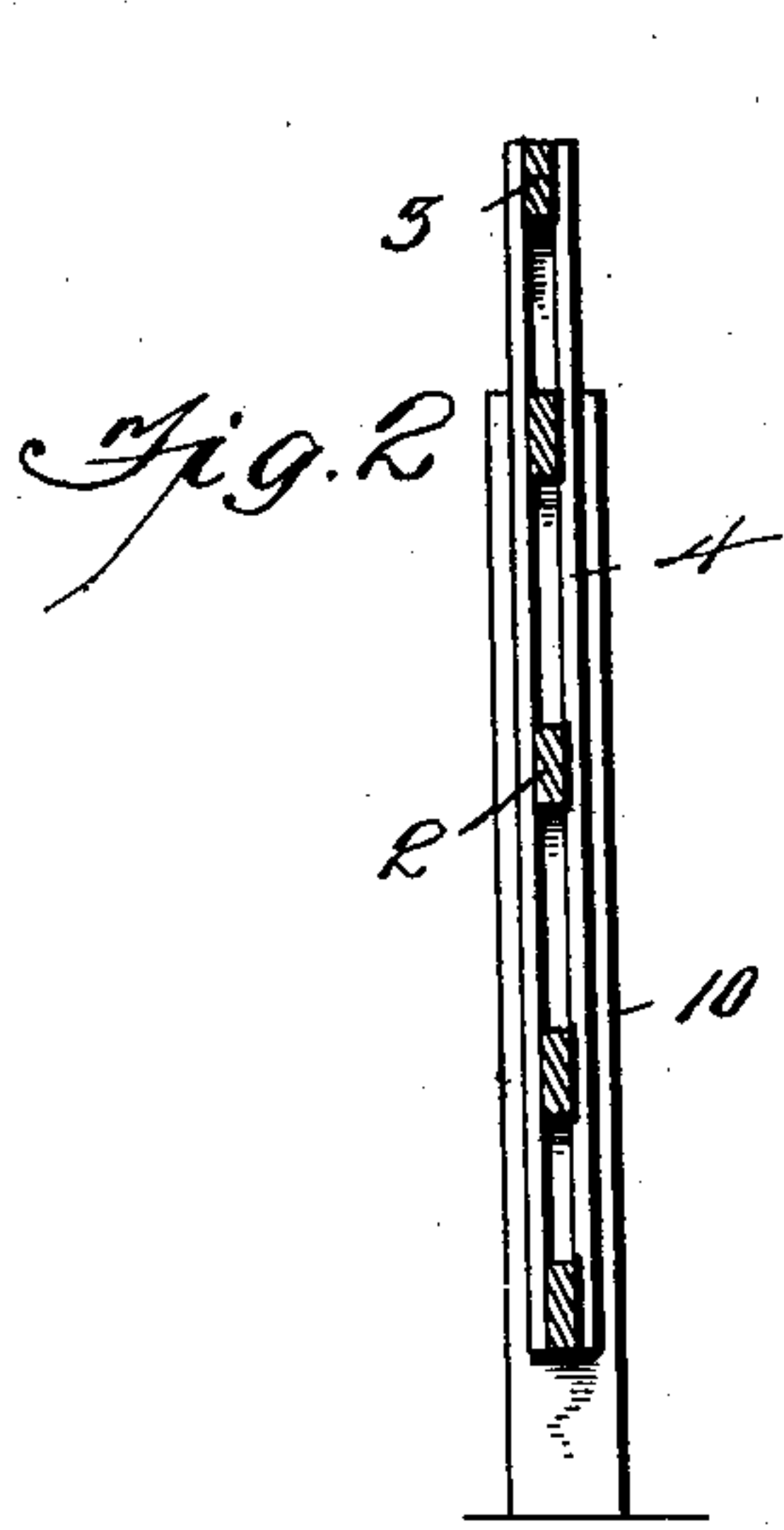
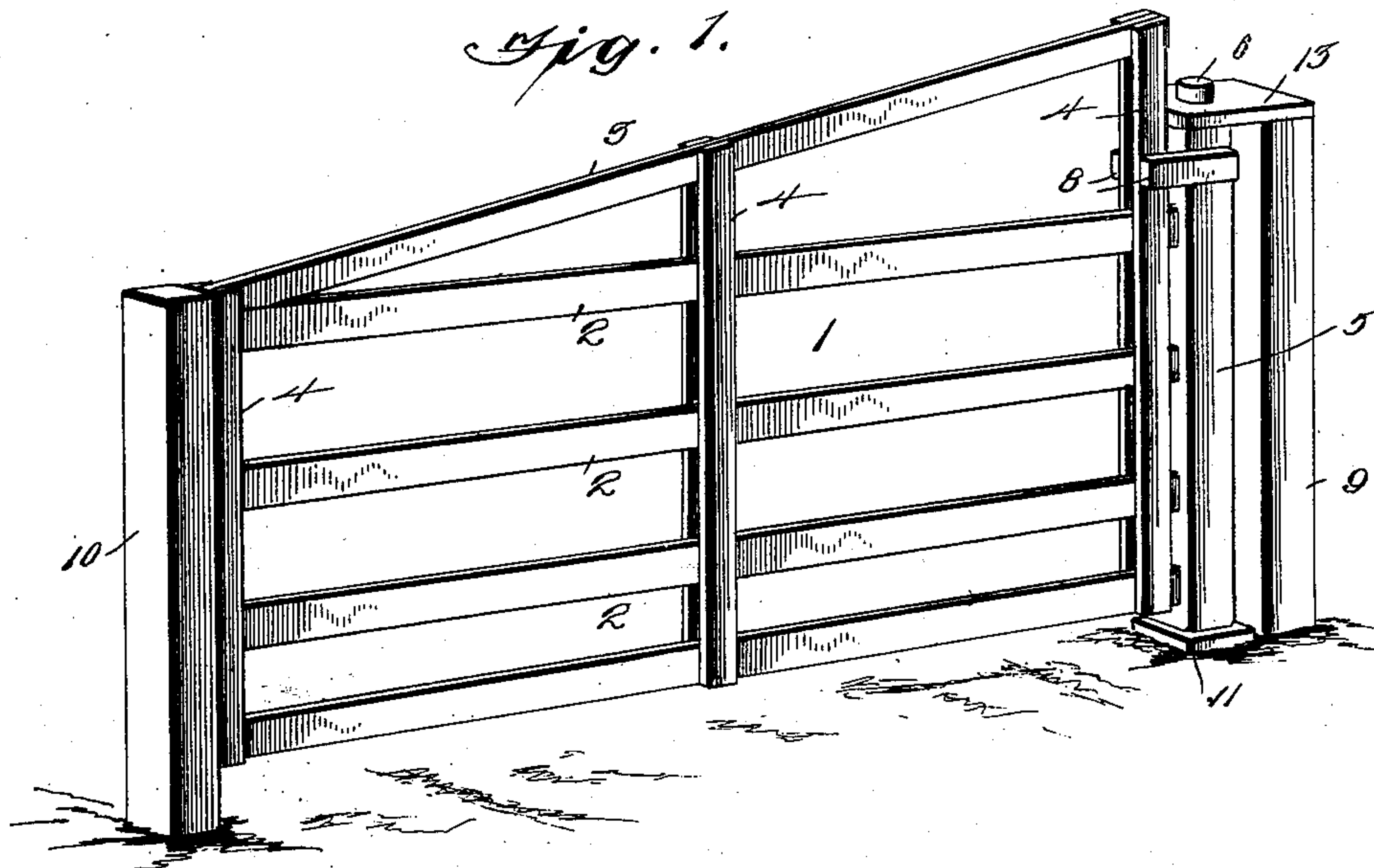
Patented July 5, 1898.

F. M. LUCAS.

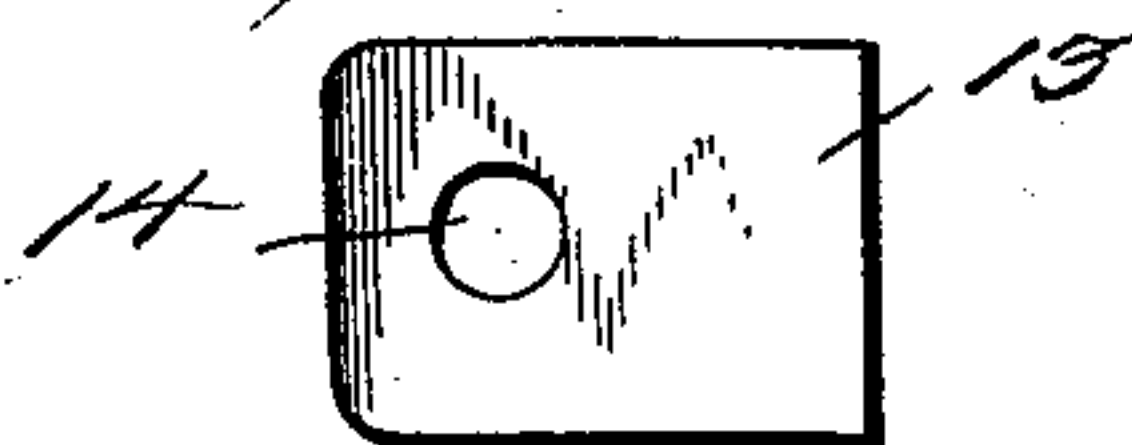
FARM GATE.

(Application filed June 24, 1897.)

(No Model.)



*Fig. 4.*



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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## FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 606,724, dated July 5, 1898.

Application filed June 24, 1897. Serial No. 642,153. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK M. LUCAS, a citizen of the United States, residing at Rathmel, in the county of Jefferson and State of Pennsylvania, have invented certain new and useful Improvements in Farm-Gates; 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 certain new and useful improvements in farm-gates, the object of the same being to provide a simple, cheap, and light gate which may be readily applied and which may be easily opened and closed, dispensing with the use of the ordinary metallic hinge.

The invention consists of a gate made up of a plurality of longitudinal and upright beams, the upright upon one end of said gate having pintles formed upon the upper and lower ends thereof, posts between which said gate is adapted to swing, a supplemental pivot-post having a socket in the upper end thereof, within which the pintle upon the lower end of said upright fits, and a block secured to the upper end of the hinging-post and provided with a perforation, within which the pintle at the upper end of said end upright fits.

The invention also consists in other details of construction and combinations of parts, which will be hereinafter more fully described and claimed.

In the drawings forming part of this specification, Figure 1 represents a perspective view of a gate constructed according to my invention. Fig. 2 is a vertical cross-section taken adjacent to the central upright of said gate. Fig. 3 is a similar section taken adjacent to the upright and pivot-post at the inner end of said gate. Fig. 4 is a top plan view of the hinge-post, showing the block secured to the upper end thereof. Fig. 5 is a detail perspective view of the pivot-post.

Like reference-numerals indicate like parts in the different views.

The gate 1 is made up of a series of parallel

horizontal longitudinal beams 2 2, a diagonal bracing-beam 3, and uprights 4 4, arranged in pairs located one on each side of said longitudinal beams and permanently secured thereto. In this way a perfectly rigid structure is obtained which is light and strong. Adjacent to the inner upright 4 is an upright 5, having pintles 6 7 formed upon the upper and lower ends thereof, respectively. Said upright 5 is secured to the longitudinal beams 2 2 and is also connected by short strips 8 8 to the inner upright 4. The gate as thus constructed is located and adapted to swing between posts 9 10, the post 9 constituting the hinge-post and the post 10 the latch-post. Located adjacent to the hinge-post 9 is a pivot-post 11, which projects but a short distance from the surface of the ground and is provided with a socket or recess in its upper end. In this recess fits the pintle 7 upon the lower end of the upright 5. Secured to the upper end of the hinge-post 9 is a block or plate 13, having an opening 14 therein, through which projects the pintle 6 upon the upper end of the upright 5. The posts 9 and 10 are braced and supported in any suitable manner, so that they remain at all times in upright position, and with the gate 1 connected thereto in the manner described sagging of said gate is effectually prevented.

As thus constructed the gate may be readily opened or closed, the friction between the parts being reduced to a minimum. There is little strain upon the hinge-post 9, as the weight of the gate is received by the pivot-post 11.

In constructing and mounting my gate the posts 9 and 10 are erected first, and afterward the pivot-post 11 is driven or sunk into the earth adjacent to the post 9. The upright 7 is then inserted into the socket 12 in the post 11, and the block 13 is then applied.

Having now described the invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination with a gate constructed of an upper oblique bar, and lower horizontal ones, confined between uprights arranged in pairs, and secured to a pintle-bar shorter than



the adjacent pair of uprights, said pintle-bar  
carrying near its top two short strips firmly  
attaching it to said adjacent uprights, of a  
short post having a socket to receive the lower  
5 end of said bar, and a rear hinging-post car-  
rying an overhanging plate to receive its up-  
per end, substantially as described.

In testimony whereof I have signed this  
specification in the presence of two subscrib-  
ing witnesses.

FREDERICK M. LUCAS.

Witnesses:

AARON HOPKINS,  
S. S. DICKEY.