

(No Model.)

R. A. BOOTH.
TOY EXTENSION LADDER.

No. 482,402.

Patented Sept. 13, 1892.

Fig. 1.

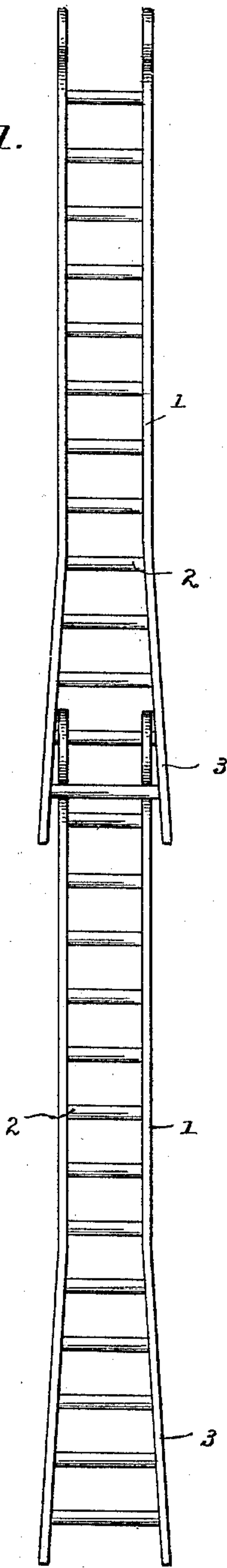


Fig. 2.

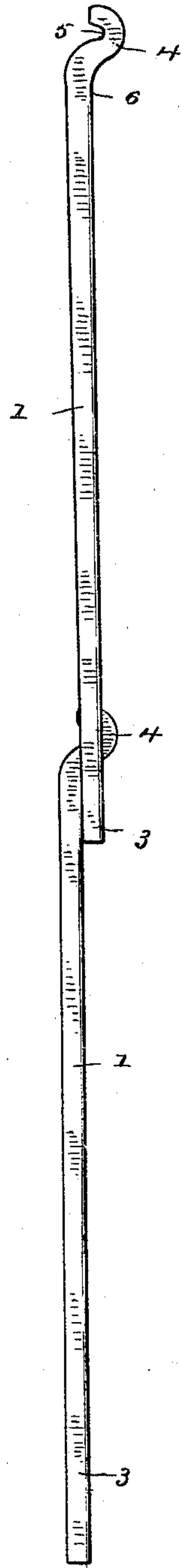
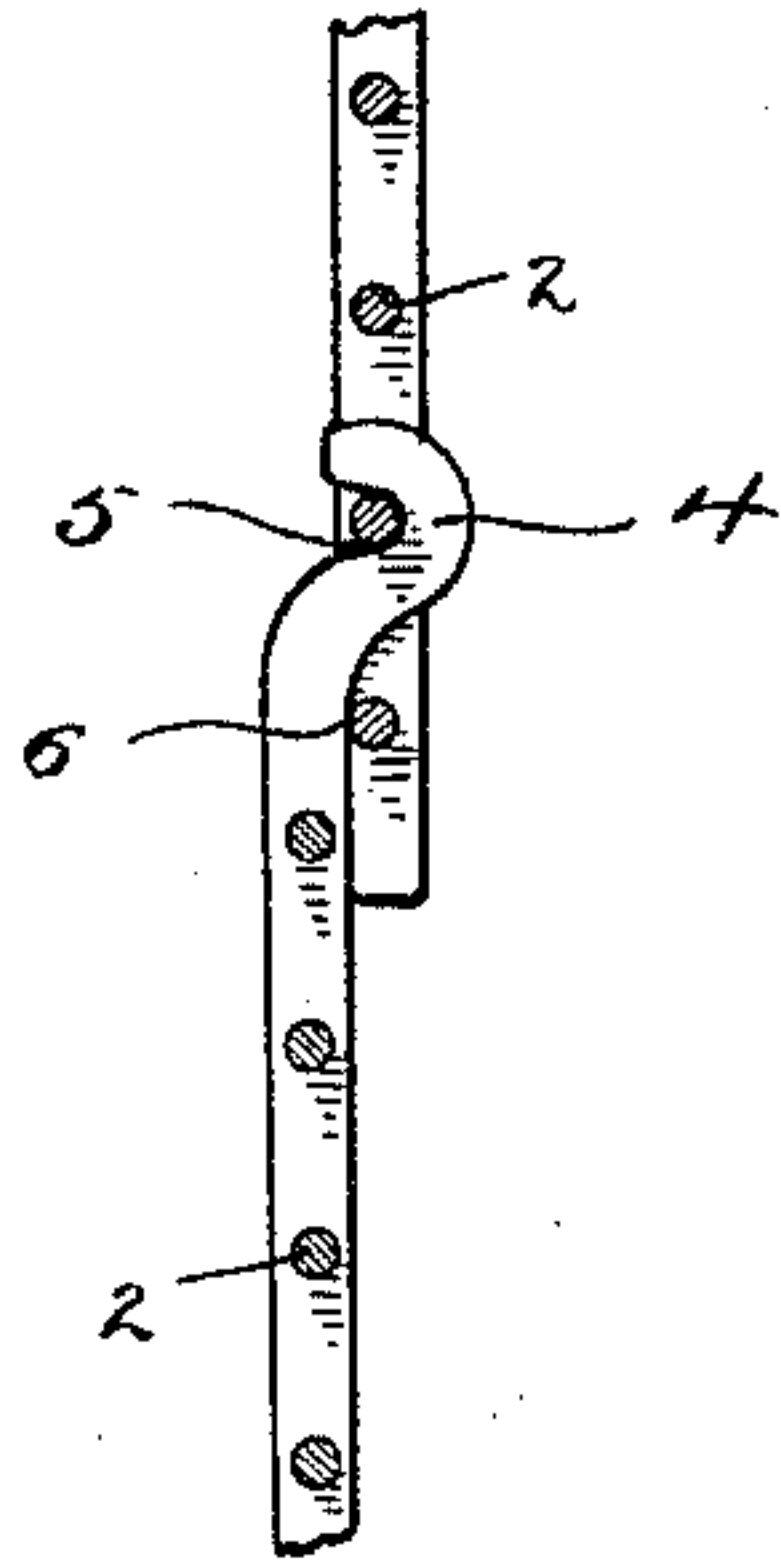


Fig. 3.



WITNESSES

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TOY EXTENSION-LADDER.

SPECIFICATION forming part of Letters Patent No. 482,402, dated September 13, 1892.

Application filed June 20, 1892. Serial No. 437,266. (No model.)

To all whom it may concern:

Be it known that I, RICHARD A. BOOTH, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Toy Extension-Ladders; 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 has for its object to provide a toy extension-ladder which shall be made in two or more sections so constructed that they may be readily and securely joined together in use. With this end in view I have devised the simple and novel toy extension-ladder which I will now describe, referring by numbers to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an elevation illustrating two sections of my novel ladder joined together as in use. Fig. 2 is a side elevation corresponding therewith, and Fig. 3 is a cross-section at the point of joinder.

1 denotes the side pieces, and 2 the rounds or rungs of the ladder. The lower ends of the side pieces incline outward slightly, as at 3, the lower rounds of the ladder being made longer than the upper rounds. This is in order to permit the side pieces of the upper ends of one section to pass between the side pieces of the lower end of another section. In practice the side pieces and rounds are preferably cast all together, although they may be made in any other way, if preferred. The side pieces at the upper end of each section are curved forward and then recurved backward again, as at 4, so as to form hook-shaped connecting devices, the open side of the hook being toward the back. These hooks are so

shaped as to form sockets 5, which are adapted to receive one of the rounds of another section of the ladder, and the sockets are made deep enough so that when any round except the lower one of a section of ladder lies in the sockets the round immediately below it will lie below the curves and rest upon the opposite side of the side pieces—that is to say, the round of the upper section which lies in the sockets will be upon the back or under side of the side pieces of the lower section and the round of the upper section immediately below the one resting in the sockets will rest upon the upper or outer side of the side pieces of the lower section, so that when the sections are joined together and the ladder inclined against any object it will stand perfectly firm and will support figures and other toy fire apparatus, if desired.

Having thus described my invention, I claim—

A toy fire-ladder section consisting of side pieces and rounds, the lower ends of the side pieces inclining outward and the lower rounds being longest and the upper ends of the side pieces being curved forward and then recurved backward to form hook-shaped connecting devices having sockets on the inner sides of the side pieces to receive a round of another section of the ladder, and said sockets being deep enough so that when one round is engaged the round next below it will lie upon the outer side of said side pieces below the curves, substantially as shown and described.

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

RICHARD A. BOOTH.

Witnesses:

A. M. WOOSTER,
MATTIE K. DAVIS.