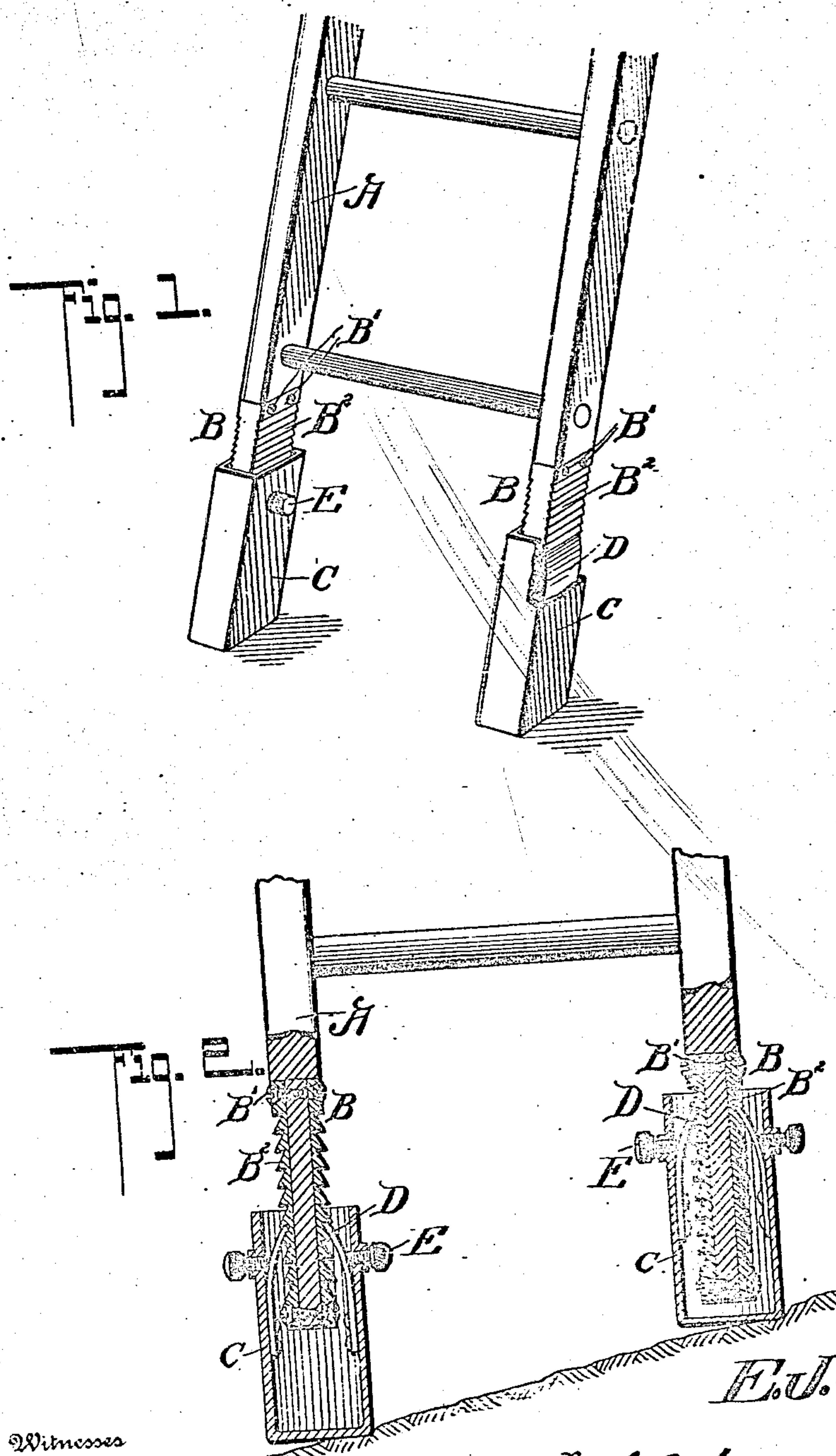


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 LADDER ATTACHMENT.  
 APPLICATION FILED JAN. 28, 1908.

Patented Sept. 15, 1908.

898,973.



Witnesses  
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# UNITED STATES PATENT OFFICE.

EDWARD JOHN CURRAN, OF ALTON, ILLINOIS.

## LADDER ATTACHMENT.

No. 898,973.

Specification of Letters Patent.

Patented Sept. 15, 1908

Application filed January 23, 1908. Serial No. 413,116.

*To all whom it may concern:*

Be it known that I, EDWARD J. CURRAN, a citizen of the United States, residing at Alton, in the county of Madison and State of Illinois, have invented a new and useful Improvement in Ladder Attachments, of which the following is a specification.

This invention relates to ladder attachments and more particular to attachment for leveling a ladder when the ladder is being used on uneven ground, the object being to provide an attachment which is exceedingly simple and cheap in construction, and one which is very strong and durable.

Another object of my invention is to provide a cap which is adapted to fit over the lower ends of the ladder, said cap being locked in its adjusted position by springs which engage teeth formed on the ladder.

With these objects in view, the invention consists in the novel features of construction, combination and arrangement of parts, hereinafter fully described and pointed out in the claims.

In the drawing forming a part of this specification:—Figure 1 is a perspective view of the lower portion of a ladder showing the application of my improved attachment. Fig. 2 is a vertical sectional view through the same.

In the drawing A indicates a ladder, the side bars of which are reduced at their lower ends, over which are secured sleeves B by screws B', the sides of the sleeves being formed with teeth as shown at B' upon opposite sides, and mounted on these sleeves are

caps C which are provided with oppositely disposed springs D on their exterior, which are adapted to engage the teeth of the sleeves so that the sleeves will be locked into their adjusted positions after they have been adjusted to suit the ground on which the ladder is to be used.

To prevent any danger of the springs yielding, whereby the ladder would drop, I provide the side of the cap C with threaded bosses, in which are mounted set-screws E adapted to be screwed into engagement with the springs after the ladder has been adjusted. It will be seen that I have provided an attachment which can be operated very quickly and one which is so constructed that it is impossible for the sleeves to move after once adjusted.

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

The combination with a ladder having reduced lower ends, of sleeves secured over said ends by screws having teeth formed upon opposite sides, of caps mounted over said sleeves provided with oppositely disposed springs normally held in engagement with the teeth of said sleeve, threaded bosses formed on the sides of said caps and set-screws mounted in said bosses for engaging said springs.

EDWARD JOHN CURRAN.

Witnesses:

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