

No. 809,057.

PATENTED JAN. 2, 1906.

J. K. HESTER.  
ATTACHMENT FOR LADDERS.  
APPLICATION FILED JUNE 15, 1905.

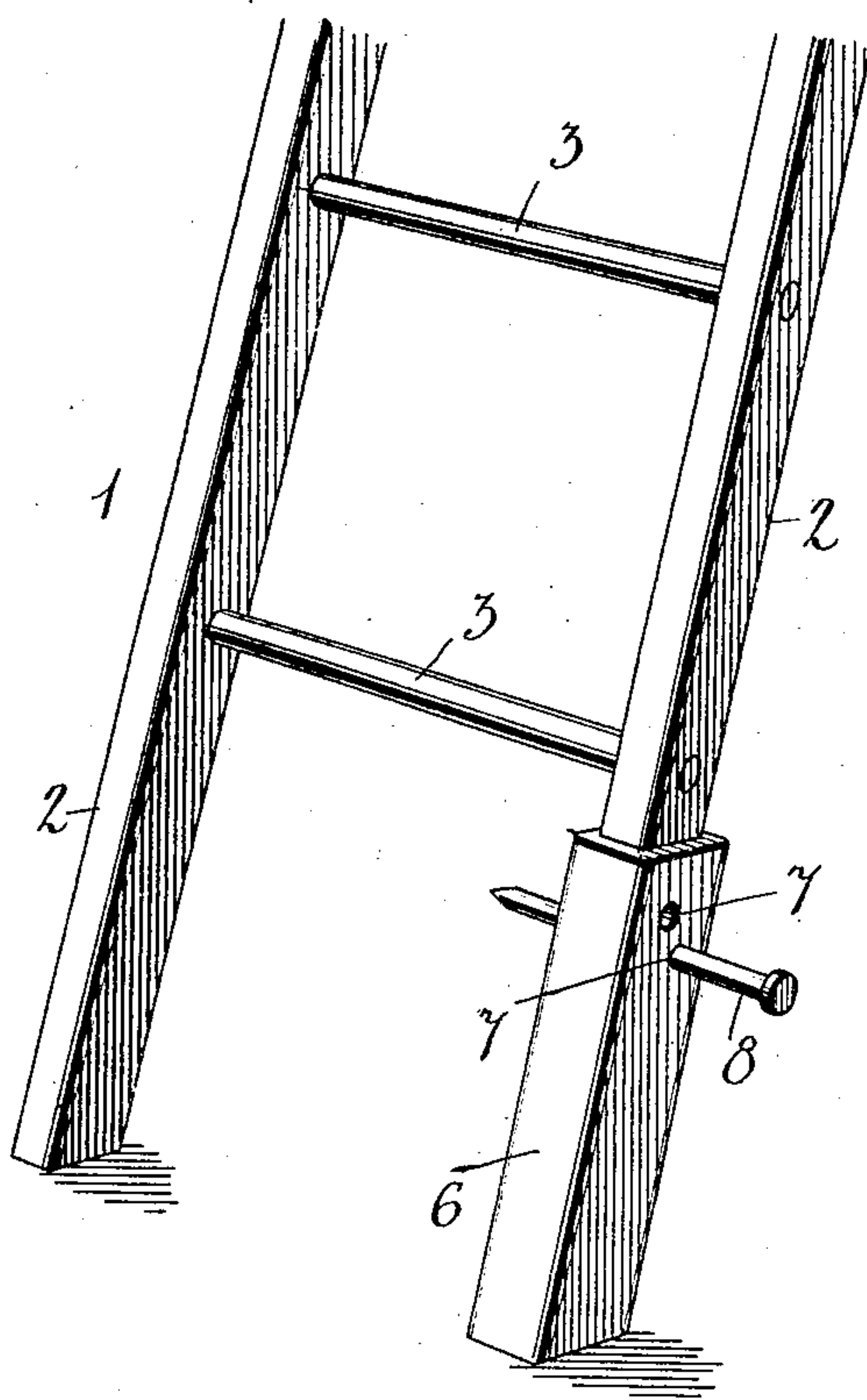


FIG. 1

FIG. 2

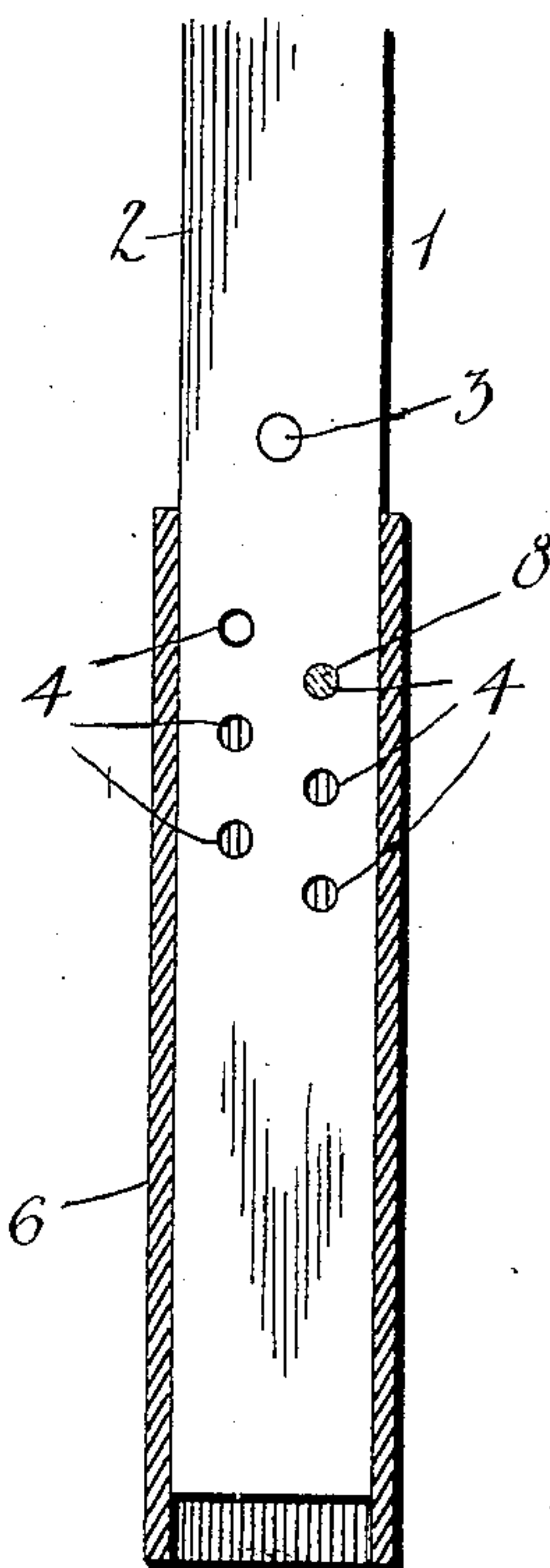
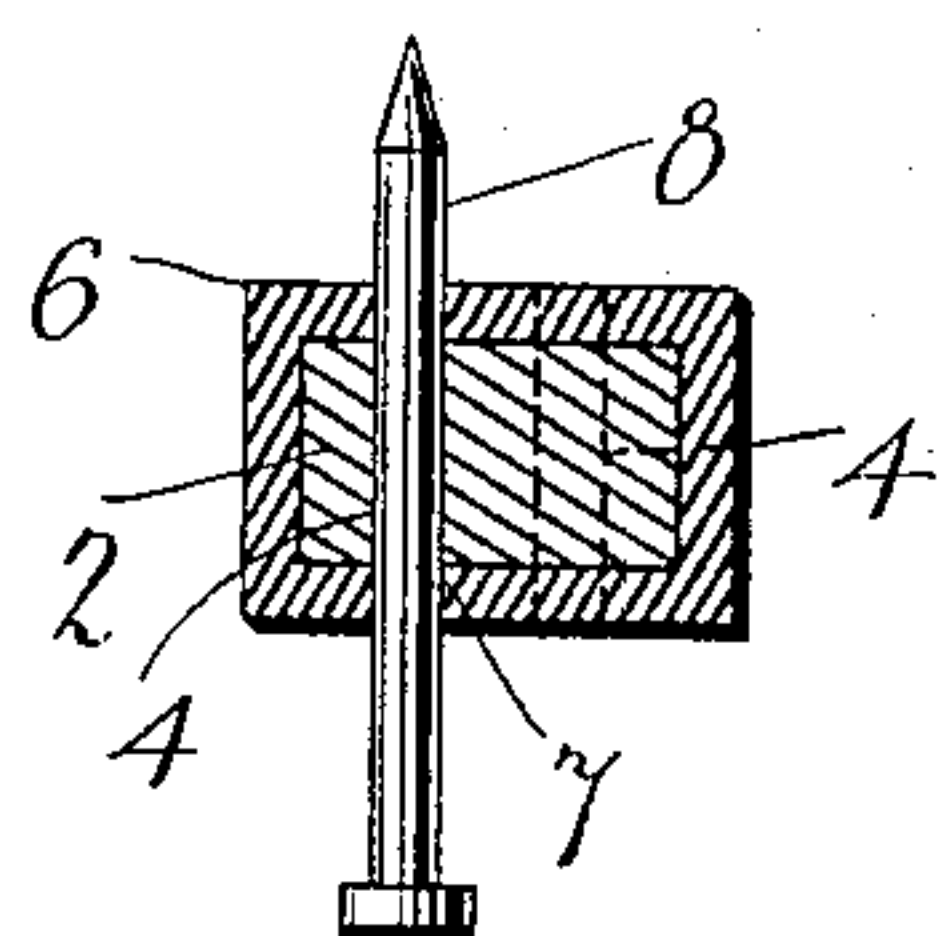


FIG. 3



Witnesses  
*J. H. Smith*  
*C. H. Giesbauer.*

Inventor  
*James K. Hester*  
by *A. B. Wilson*  
Attorney

# UNITED STATES PATENT OFFICE.

JAMES K. HESTER, OF RHINECLIFF, NEW YORK.

## ATTACHMENT FOR LADDERS.

No. 809,057.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed June 15, 1905. Serial No. 265,376.

*To all whom it may concern:*

Be it known that I, JAMES K. HESTER, a citizen of the United States, residing at Rhinecliff, in the county of Dutchess and State of New York, have invented certain new and useful Improvements in Attachments for Ladders; and I do 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.

This invention relates to improvements in ladders.

The object of the invention is to provide an attachment of this character adapted to be applied to the lower end of one of the side bars of a ladder to increase the length of the same, thereby permitting the ladder to stand level on uneven surfaces.

A further object is to provide means whereby very slight adjustments may be given to the lengthening attachment.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a ladder, showing the application of the attachment thereto. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a horizontal sectional view through the leg of the ladder having the attachment applied thereto.

Referring more particularly to the drawings, 1 denotes the ladder, which may be of any desired construction having the usual side bars 2, connected by rungs 3. In the lower end of one of the side bars of the ladder is formed a series of horizontal transversely-disposed apertures 4, said apertures being arranged in zigzag order, whereby a considerably greater number of apertures may be formed without danger of the wood between the same breaking or splitting out. Slidably mounted upon said apertured leg of the ladder is a sleeve 6, said sleeve being preferably of a length corresponding to the distance between the lower rungs of the ladder and the lower end of the side bar. The sleeve 6 is here shown as being rectangular in cross-section and provided with a rectangu-

lar passage to correspond with the rectangular shape of the side bar. These parts, however, may be of any desired shape in cross-section. In each side of the sleeve 6, near the upper end of the same, is formed a pair of oppositely-disposed apertures 7, said apertures in each pair being offset and arranged one slightly above the other, so that when the sleeve is adjusted on the end of the side bar one or the other of the apertures in said bars will be brought opposite to and into alignment with one of the apertures 4 in the side bar. After the sleeve has been thus adjusted to the desired extent a pin or bolt 8 is inserted through the aligned apertures in the sleeve and side bar, thereby securely holding the sleeve in its adjusted position.

By means of an attachment of the character described a ladder may be used on uneven surfaces or sidehills without danger of the same tipping or falling over.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

The herein-described attachment for ladders, consisting of a plain, hollow, rectangular sleeve, having formed therein two diagonally-disposed apertures 7, in combination with a ladder having formed in one of its side bars at the lower end thereof a series of apertures, said apertures being arranged in zigzag relation, and a pin or bolt 8 adapted to be projected through said apertures in the sleeve and side bar of the ladder, for the purpose described.

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

JAMES K. HESTER.

Witnesses:

L. A. KINNE,  
LEWIS TRAVER.