(No Model.)

# S. WRIGHT.

## STEP LADDER.

No. 589,916. Patented Sept. 14, 1897.

Fig. 1.

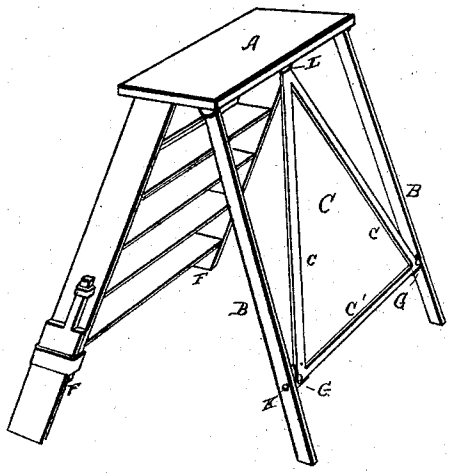



Fig. 2.

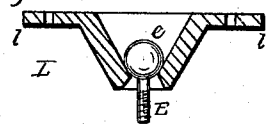
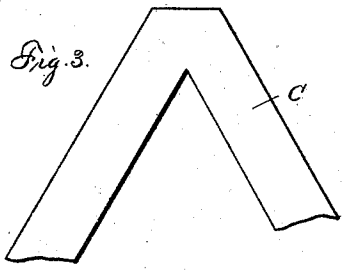



Fig. 3.



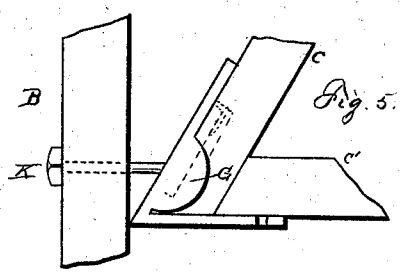
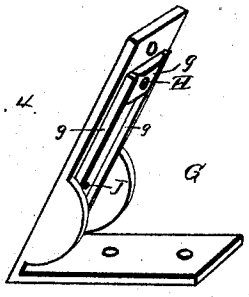




Fig. 5.

Fig. 4.




WITNESSES:

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# UNITED STATES PATENT OFFICE.

SAMUEL WRIGHT, OF BEATRICE, NEBRASKA.

## STEP-LADDER.

SPECIFICATION forming part of Letters Patent No. 589,916, dated September 14, 1897.

Application filed February 25, 1896. Serial No. 580,763. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL WRIGHT, a citizen of the United States, residing at Beatrice, in the county of Gage and State of Nebraska, have devised new and specific Improvements in a Self-Adjusting Step-Ladder invented by me and on which Letters Patent were granted in the United States May 11, 1886, No. 341,535; and I declare that the following is a full and exact description of the same, reference being made to the annexed drawings, which form a part of this specification.

Figure 1 of the drawings is a perspective view; Figs. 2 and 3, detail views of the ball and socket by which the triangular brace is jointed to platform. Figs. 4 and 5 are detail views of the metal strap by which the brace is jointed to the prop-sticks.

In the drawings, A represents the platform, B B the prop-sticks, C the triangular brace, and F the ladder, all as shown in my aforesaid patent.

L represents a metallic socket with the straps *l l*, by which it is secured to the bottom of platform A, while E is a pin fastened in the top of the brace C and provided with the terminal ball *e*, which fits in the socket L.

G represents a metallic angle-strap which is nailed or bolted to the arms of the brace C and pivoted on the screw-bolt K, so as to connect the side strips *c* to the horizontal cross-piece *c'*. On the inside of the angle-piece G are formed the guides *g g*, under which slides a nut H, that receives the screw K, the latter passing through the angle-strap G and prop-stick B into the side strip *c*, and the hole J in strap being made to register with that in the nut.

What I claim as my improvements on the step-ladder is as follows:

1. In a step-ladder the socket L having straps *l l* adapted to be attached to the under side of platform A in combination with the brace-pin E having an end ball *e* adapted to work in said socket as and for the purpose set forth.

2. In a step-ladder the metallic angle-strap G having guides *g g*, the nut H and the screw K in combination with the brace and prop-sticks as and for the purpose described.

SAMUEL WRIGHT. [L. S.]

Witnesses:
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