

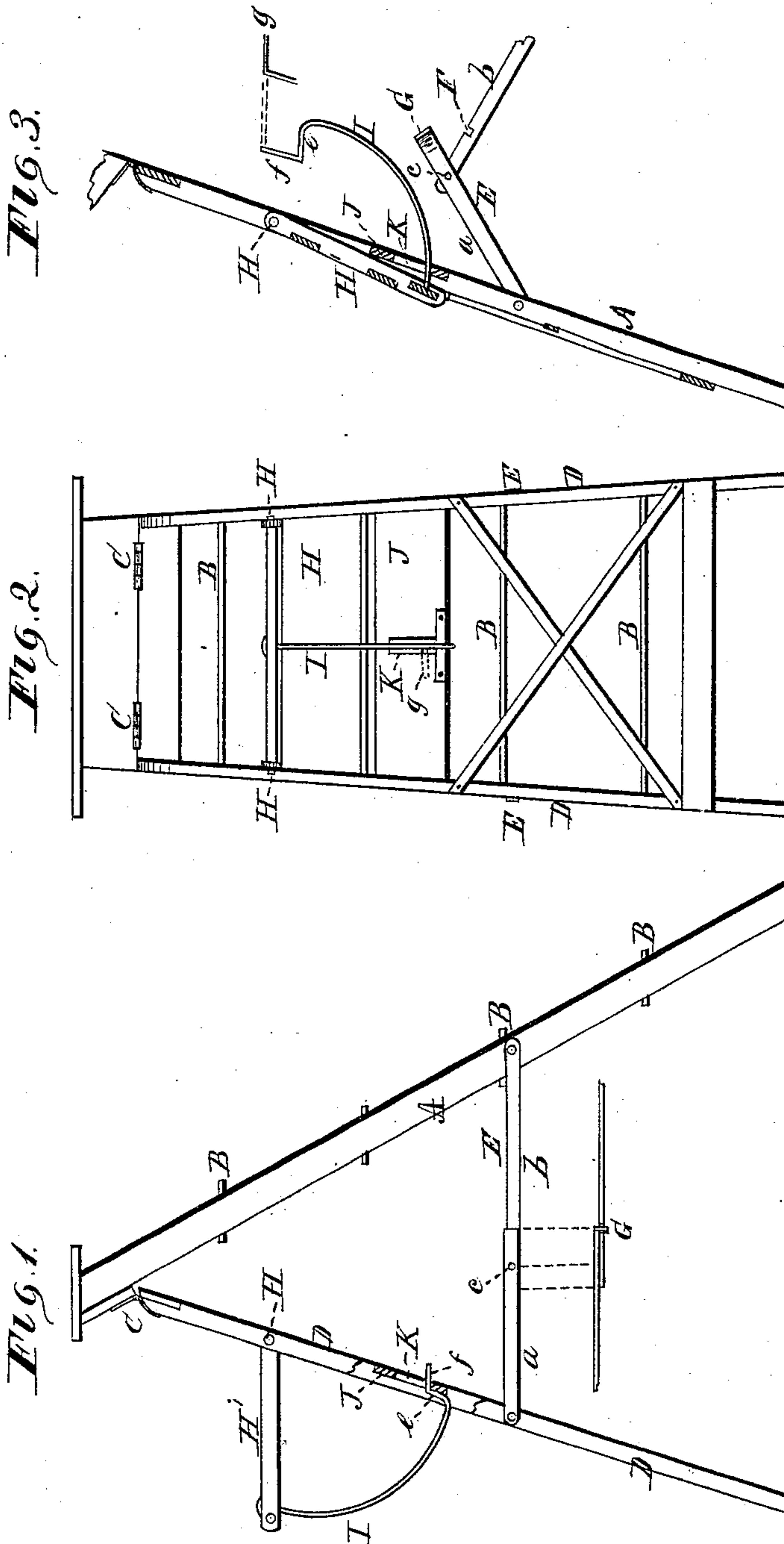
(No Model.)

C. WAGNER.

STEP LADDER.

No. 300,919.

Patented June 24, 1884.



Witnesses.
J. H. Burridge
C. H. Loney

Inventor.
C. Wagner
W. H. Burridge Atty.

UNITED STATES PATENT OFFICE.

CHRISTOPHER WAGNER, OF CLEVELAND, OHIO.

STEP-LADDER.

SPECIFICATION forming part of Letters Patent No. 300,919, dated June 24, 1884.

Application filed November 22, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER WAGNER, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and Improved Step-Ladder; and I do hereby declare that the following is a full, clear, and complete description thereof.

This improvement in step-ladders relates to the means employed for adjusting and holding a movable platform in position, and arranged in connection with the step-ladder as hereinafter shown and described.

For a more full and complete description of the said improvement, reference will be had to the following specification, and to the annexed drawings, making part of the same, in which—

Figure 1 is a side view of said ladder; Fig. 2, a rear view, and Fig. 3 a vertical section.

Like letters of reference denote like parts in drawings.

The side pieces, A, Figs. 1 and 3, are provided with steps B, in the usual way, forming the front section of the ladder, to which is hinged at C the back section or brace, D, Figs. 1 and 2. On each side of the two sections A and D are jointed adjustable braces E, Figs. 1 and 3, which are in two parts, *a* and *b*, which are jointed together at *c*, and the opposite ends pivoted, respectively, to the side pieces, A, and back brace, D, Fig. 1. Said braces are for the purpose of retaining the two sections of the step-ladder in place when they are spread apart, as shown in the drawings.

At H H is pivoted a platform or table, H', Fig. 1. To the outer part of this adjustable platform is attached a spring-brace, I, which is bent into the segment of a circle, the lower part of which is turned to form a shoulder, *e*, and the end *f* is turned in an angular relation to the shoulder *e*. This shoulder rests against

the lower part of the girt J, which girt has its ends fastened to the side pieces of the back section. In this girt is a slot, K, (seen in the drawings,) in which slides the spring-brace I as the platform is raised and lowered. The supporting end *f* rests upon the lower part of the slot K, and prevents the spring I from moving down out of place when the table H' is raised, as seen in Fig. 1; and to prevent the spring-brace from being withdrawn from the slot K on raising up the platform from the position seen in Fig. 3 to that seen in Fig. 1, the end *g* of the said spring-brace is turned at right angles, or nearly so, as seen in Fig. 3, and extends beyond the slot K, as indicated at *g'*, Fig. 2. By means of the turned end *g* the spring cannot be withdrawn from the desired place in raising the platform and supporting it in position by the shoulder *e* of the brace I, as seen in Fig. 1. The girt J and its slot acts as a guide and support for the brace in sustaining the platform. The table H' is arranged to fold down between the side pieces of the back section, as seen in Fig. 3, when not required for use, so as to be out of the way in using the ladder without it.

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination with step-ladders, the pivoted platform having a spring-brace, I, formed with a shoulder, *e*, and support *f*, and girt J, provided with a slot, K, to act as a guide and support for said brace in sustaining the said platform, substantially as and for the purpose set forth.

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

CHRISTOPHER WAGNER.

Witnesses:

J. H. BURRIDGE,
C. H. TURNEY.