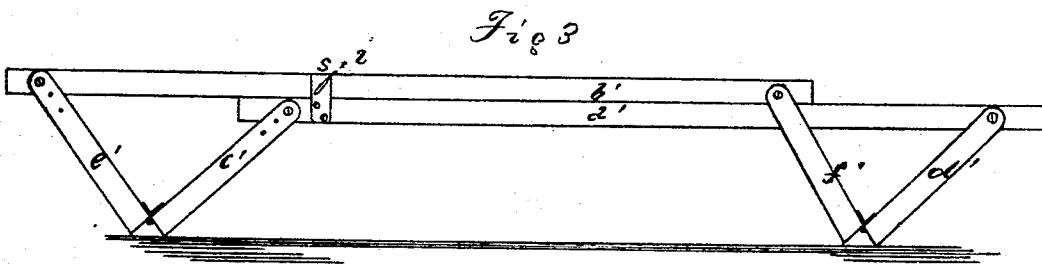
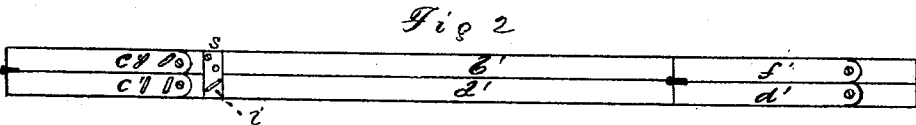
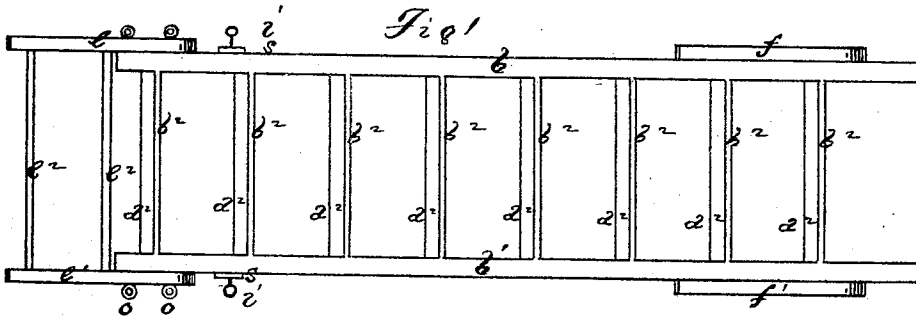


H. H. BARKER.

Combined Step-Ladders, Benches, and Clothes-Frames.

No. 145,716.

Patented Dec. 23, 1873.



Witnesses.

John Pollitt
Edwin Goodman

Inventor

H. H. Barker
By M. E. Smith
Att'y

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Fig. 4.

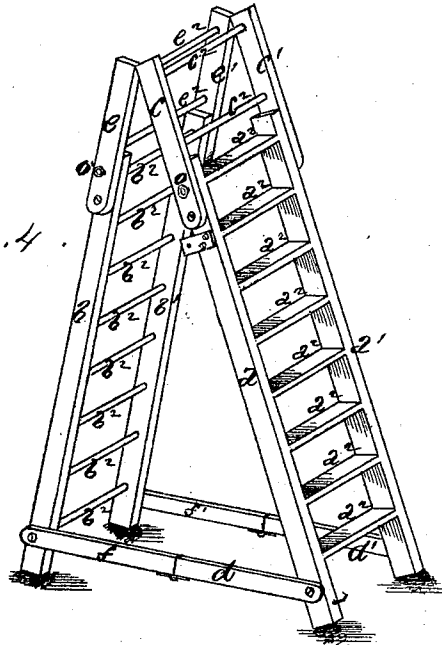


Fig. 5.

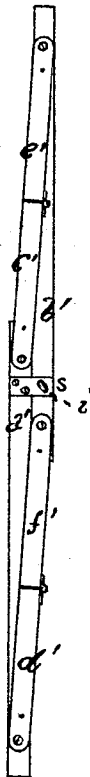
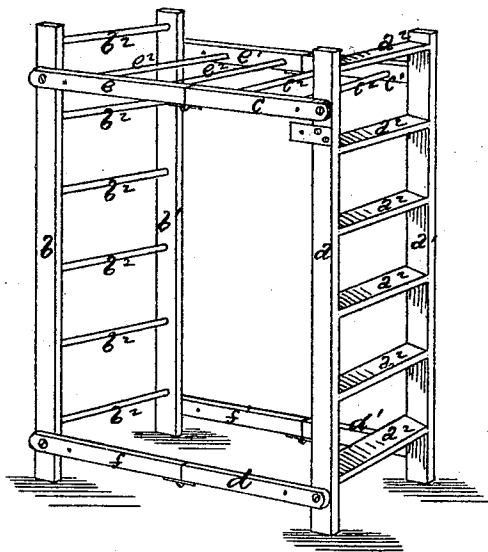


Fig. 6.



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UNITED STATES PATENT OFFICE.

HAVILAH H. BARKER, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN COMBINED STEP-LADDERS, BENCHES, AND CLOTHES-FRAMES.

Specification forming part of Letters Patent No. **145,716**, dated December 23, 1873; application filed

November 3, 1873.

To all whom it may concern:

Be it known that I, HAVILAH H. BARKER, of Hartford, in the county of Hartford and State of Connecticut, have invented an Improved Combined Step-Ladder, Bench, and Clothes-Frame, of which the following is a specification, reference being had to the accompanying drawings, where—

Figure 1 is a view of the flat side of the same folded up. Fig. 2 is an edge view. Fig. 3 is a side view of the same expanded into a wash-form. Fig. 4 is a perspective view of the same expanded into a double ladder. Fig. 5 is an edge or side view of the same adjusted as an extension-ladder. Fig. 6 is a perspective view of the same expanded into a clothes-horse.

The letters $a a^1 a^2$ denote a ladder-frame, and the letters $b b^1 b^2$ another ladder-frame. To one end of the former are pivoted the two legs $c c^1$, having cross-rounds c^2 , and to the other end of the same frame are pivoted the legs $d d^1$. To one end of the ladder-frame $b b^1 b^2$ the legs $e e^1$, having cross-rounds e^2 , are pivoted, and to the other end of the same frame the legs $f f^1$ are pivoted. The ends of the legs c and e are hinged together; also, the ends of the legs $c e^1$; also, the ends of the legs $d f$, and also the ends of the legs $d' f'$. When the two frames and the legs are folded together, as shown in Figs. 1 and 2, the whole thing is in very compact form for stowage or transportation. It can be locked in this position of adjustment by wire pins $i i$ running, through the ears $s s$ fastened to the frame-sides $b b^1$, into the frame-sides $a a^1$.

By sliding the frame $b b^1 b^2$ endwise upon the frame $a a^1 a^2$, as shown in Fig. 3, the legs are thrown downward, so as to transform the

device into a convenient bench or wash-form, the height of which is regulated by the distance the two frames are moved endwise upon each other. The frames are locked at the desired point by the pins $i i$ running through the ears $s s$.

By throwing those ends of the two frames on which are the legs $d d' f f'$ apart till these sets of legs form straight lines, while the other ends converge toward each other, as shown in Fig. 4, a double ladder is formed, the length of which can be extended by locking the legs $c c^1$ to the frame-sides $a a^1$ by means of pins $o o$, and similarly locking the legs $e e^1$ to the frame-sides $b b^1$.

By sliding the two frames endwise upon each other as far as they will go, as shown in Fig. 5, an extension-ladder is formed, and the two frames are locked by the pins $i i$ running through the ears $s s$.

By pulling the two frames apart till all the sets of legs lie in straight lines, as shown in Fig. 6, a clothes-horse is formed.

I claim as my invention—

The combination of the frame $a a^1 a^2$, provided with the pivoted legs $c c^1 d d'$, with the frame $b b^1 b^2$, having the legs $e e^1 f f'$ pivoted thereto, the corresponding sets of legs upon the two frames being hinged together, the whole constructed, arranged, and designed for operation and use, substantially as hereinbefore set forth.

HAVILAH H. BARKER.

Witnesses:

WM. EDGAR SIMONDS,
S. J. SIMONDS.