H Du Bois.

Clothes-Drier.

No 75251 Patented Mar 10, 1868.

Fig. 1.

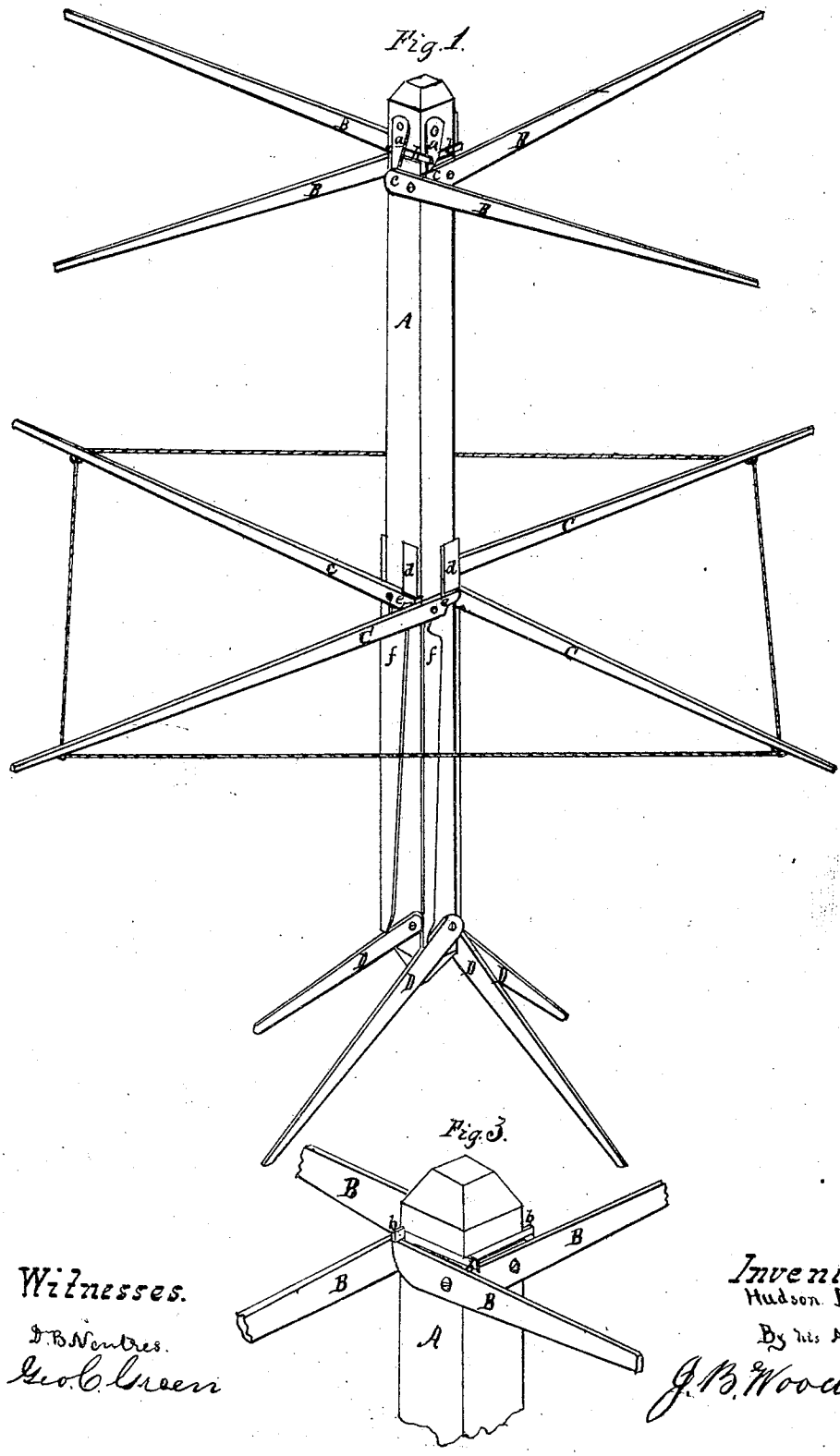


Fig. 2.

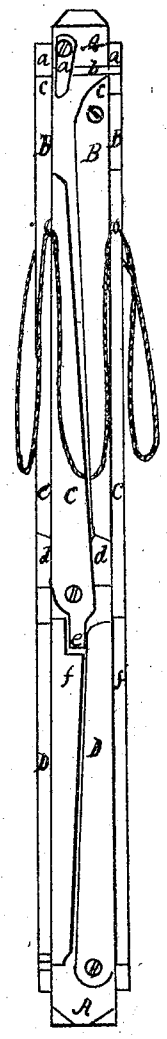


Fig. 3.

Witnesses.

D. B. Newbes.

Geo. C. Green

Inventor.

Hudson Dubois

By his Attorneys

J. B. Wooderuff & Co

United States Patent Office.

HUDSON DU BOIS, OF MARLBOROUGH, NEW YORK.

Letters Patent No. 75,251, *dated March* 10, 1868.

IMPROVED CLOTHES-DRIER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HUDSON DU BOIS, of Marlborough, in the county of Ulster, and State of New York, have invented a new and useful Improvement in "Clothes-Driers;" and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of my clothes-drier as opened for use.

Figure 2 shows a side view of the same when folded; and

Figure 3 shows a modified form of construction.

My invention relates to an improvement in folding clothes-driers, such as are intended for household use, whereby simplicity of construction, convenience in use, and great compactness when closed or folded up are secured. It consists in an arrangement of arms or bars about a central polygonal shaft in such a manner that when closed they lie on the surface of said shaft, and when opened radiate from it as a centre.

In order that others may understand the construction and operation of my invention, I will proceed to particularly describe it.

A, fig. 1, represents the supporting-shaft of the clothes-drier, which is of wood, and may have three, four, or six sides, and of such length as desired; but a square or hexagonal section, whose sides are two or one and a half inches and a length of about four feet, is found to be best adapted to practical use in the house. Near the top of the shaft A, and upon each face, I attach the ends of the arms B B, &c., by screws or other suitable means, so that the other ends are free to move vertically a limited distance. In order that these arms B B, when raised to a horizontal position, may be there retained, I place a latch, *a*, on each face of the shaft A, and in such position that when the free arms B B are raised the ends at *c* will press the latch *a* outwards, and as soon as they have reached a horizontal position said latch will catch and retain them there. Each latch *a* is acted on by a spring of metal, *b*, placed upon the face of the shaft A next adjoining to the left, and secured thereto in any suitable manner. By making that part of the arm at *c* a little longer, and placing the spring *b* lower on the face of the shaft, the latch *a* might be dispensed with, the spring *b* catching and retaining the arm B in a horizontal position, as shown at fig. 3. These arms B B, when closed, lie upon the faces of the shaft A, and are cut bevelling slightly, so that they may be retained under and against the pieces *d d*, which are nailed to the post or shaft A. A little below, I attach the arms C C, &c., to the different faces of the shaft A, which arms when folded lie along the side of and in contact with the arms B B, and can be opened downwards until they are about horizontal, in which position they are retained by the end *e* meeting with the pieces *d d*, or a piece, *f*, may be secured underneath, so that the arm C will be retained thereby, and the pieces *d d* dispensed with, as shown, and the arms B B made that much longer, but it is better to use both the pieces *d* and *f*, as thereby the strain is taken off the screw and greater strength secured. The pieces *f f* may extend downwards to near the foot of the shaft A, and their ends form rests or catches for the legs D D. These legs D D are secured to the faces of the shaft A in the same manner as the arms B and C, and when closed lie against the pieces *f f*. They are also opened downwards, and can be turned through an arc of about two-thirds of a circle, or until they strike the ends of the pieces *f f*, where they will be retained, thus forming a broad and firm support for the whole. When the shaft A is hexagonal, only three legs need to be attached, one on every other face of said shaft. To the arms B and C cords may be attached, as shown at fig. 1, if desired, thereby increasing the length of supports for the clothes to be dried.

When it is desired to use this clothes-drier, the legs D D are first turned down until they bear against the pieces *f f*, then the arms C C are turned down as far as allowed by the pieces *f f*, and the arms B B are then turned up to a horizontal position, where they will be retained by the latches *a a* and springs *b b*, and when not in use the arms and legs may be folded together, as shown in fig. 2, when the whole occupies but very little room, and can be put out of the way until again wanted.

Having thus described my invention, its construction and operation, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, in a folding clothes-drier, of the arms B B, latches *a a*, and springs *b b* with the central polygonal shaft A, arranged and constructed substantially as and for the purposes herein described and set forth.

2. The combination of the arms C C and legs D D with the shaft A, arranged and constructed to fold up, substantially as herein described and set forth.

HUDSON DU BOIS.

Witnesses:

C. M. WOOLSEY,

JESSE LYONS.