Sept. 7, 1926. 1,599,083

J. B. GAGNE

CLOTHES DRIER

Filed August 12, 1924

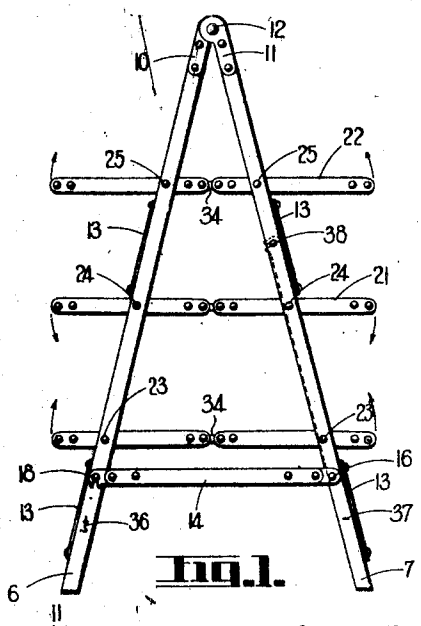


Fig. 1.

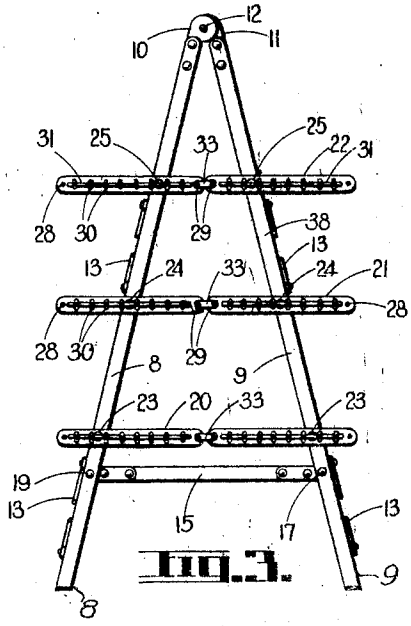


Fig. 3.

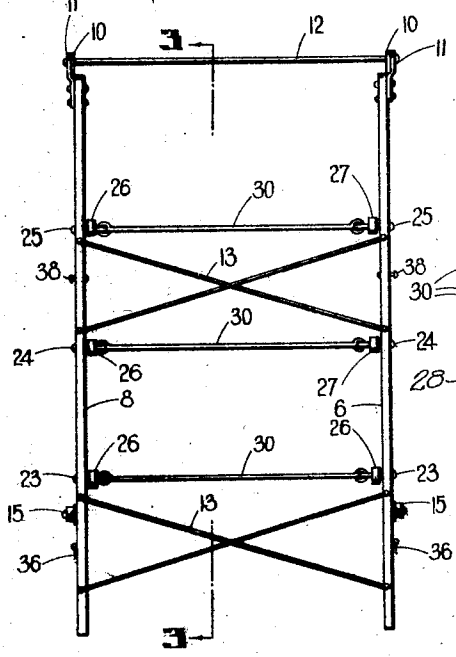


Fig. 2.

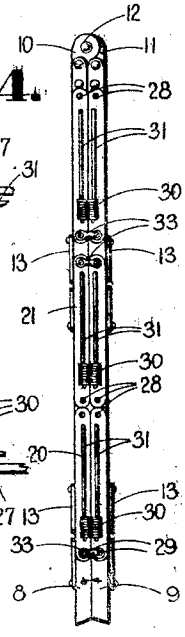


Fig. 4.

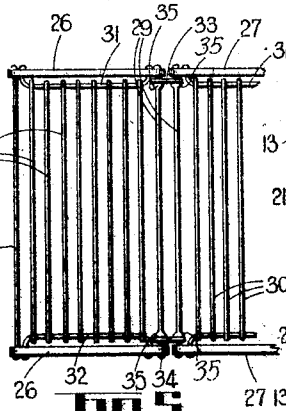


Fig. 5.

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Patented Sept. 7, 1926. 1,599,083

UNITED STATES PATENT OFFICE.

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CLOTHES DRIER.

Application filed August 12, 1924. Serial No. 731,679.

This invention has relation to certain new and useful improvements in the art of clothes drying apparatus and has for its primary object the provision of an apparatus including a plurality of collapsible clothes supporting racks carrying supporting members, arranged one above the other when in operative position, the supporting members of which may be arranged in staggered relation so that a considerable quantity of clothes may be supported in a limited space.

Another object of the invention resides in the provision of a clothes drying apparatus of the character stated including a collapsible supporting frame carrying a concatenation of articulated clothes supporting racks, which, when said frame is collapsed, may be folded into the body thereof in compact relation, thus providing a structure which may be stored in a very limited space.

With the foregoing and other objects in view, as will appear as the description proceeds, the invention consists of the novel construction, combination and arrangement of elements as hereinafter more specifically set forth, claimed and shown in the accompanying drawings forming a part of the present application and in which:

Fig. 1 is a side elevation of a clothes drying apparatus constructed in accordance with my invention, the same being illustrated in position for use.

Fig. 2 is an end elevation thereof.

Fig. 3 is a vertical section as it would appear when taken on the plane designated by the line 3—3 on Fig. 2.

Fig. 4 is a similar view illustrating the apparatus in collapsed position.

Fig. 5 is a fragmentary plan view of one of the clothes supporting racks.

Referring more in detail to the drawings in which similar reference characters designate corresponding parts throughout the several views, it will be noted that the invention includes a frame constructed of the legs 6, 7, 8 and 9, the upper ends of which are connected by the hinge plates 10 and 11 secured thereto, the rod 12 serving as a pintle.

The legs are braced in spaced relation by the cross members more clearly illustrated in Fig. 2 and designated in their entirety by the numerals 13. Braces 14 and 15, hinged to the legs 7 and 9, respectively, as at 16 and 17, retain said legs and the legs 6 and 8 in space relation, when the bifurcated ends thereof are engaged to the locking pins 18 and 19 mounted on legs 6 and 8.

The clothes supporting racks designated in their entirety by the numerals 20, 21 and 22 are arranged one above the other and are articulated to the legs constituting the main frame, as at 23, 24 and 25, so that said racks, for storing purposes, may be collapsed as shown in Fig. 4.

Each of said racks is formed in two sections, each section including the side members 26 and 27 which are held in spaced relation by the rods 28 and 29. The ends of the rods 30 are looped and loosely embrace the members 31 and 32. The two sections forming each clothes supporting rack are coupled by the links 33 and 34, said links being held in position by the upset abutments 35 formed on the rods 29.

Presuming that the apparatus is collapsed and it is desired to use the same, the hooks 36 are unhooked from the eyelets 37 and the braces 14 and 15 are released from the pins 38 which retain the same in alignment with the legs of the apparatus when the same is not in use. The legs of the apparatus are then spread and the slotted extremities of the braces are engaged with the locking pins 18 and 19 as shown in Fig. 1, thereby retaining the leg of the frame rigidly in spaced relation. As the legs of the frame are separated the clothes supporting racks 20, 21 and 22 fold from their collapsed position into the position shown in Fig. 1. The laundress than begins to hang the clothes on the drier upon the bottom racks, the rods being spaced along the members 31 and 32 as required.

To collapse the apparatus for storing purposes, the bifurcated ends of the braces 14 and 15 are disengaged from the locking pins 18 and 19 and are swung back into alignment with the legs 7 and 9, the same engaging the supporting pins 38. The clothes supporting racks are then collapsed, the racks 20 and 22 folding upwardly and the rack 21 folding downwardly, as indicated by the arrows in Fig. 1. From an examination of Fig. 4 it will be noted that by this arrangement said racks may be folded into compact relation within the the legs of the supporting structure, which are hooked together by the hooks and eyelets referred to, after which the apparatus may be stored within a very limited space.

While the preferred embodiment of the invention has been described, it is to be understood that minor changes in the details of construction, combination and arrangement of elements may be resorted to within the scope of what is claimed without departing from the spirit of the invention.

What I claim as new is:

1. A clothes drier comprising two pairs of legs hinged at their upper ends, racks each formed of two articulated sections extending transversely between and pivoted to said pairs of legs, and a plurality of transversely adjustable clothes supporting rods extending longitudinally of said rack sections.

2. A clothes drier comprising two pairs of legs hinged at their upper ends, crossed braces extending between said pairs of legs to hold the same in spaced relation, racks each formed of two articulated sections extending transversely between and pivoted to said pairs of legs and including rod carrying members extending across the ends of said rack sections, and a plurality of clothes supporting rods extending longitudinally of said rack sections and loosely engaging said rod carrying members.

In testimony whereof, I affix my signature.

JEAN BAPTISTE GAGNE.