

J. F. REEDER.
 DRYING ROOM.
 APPLICATION FILED AUG. 15, 1919.

1,335,702.

Patented Mar. 30, 1920.

Fig. 1.

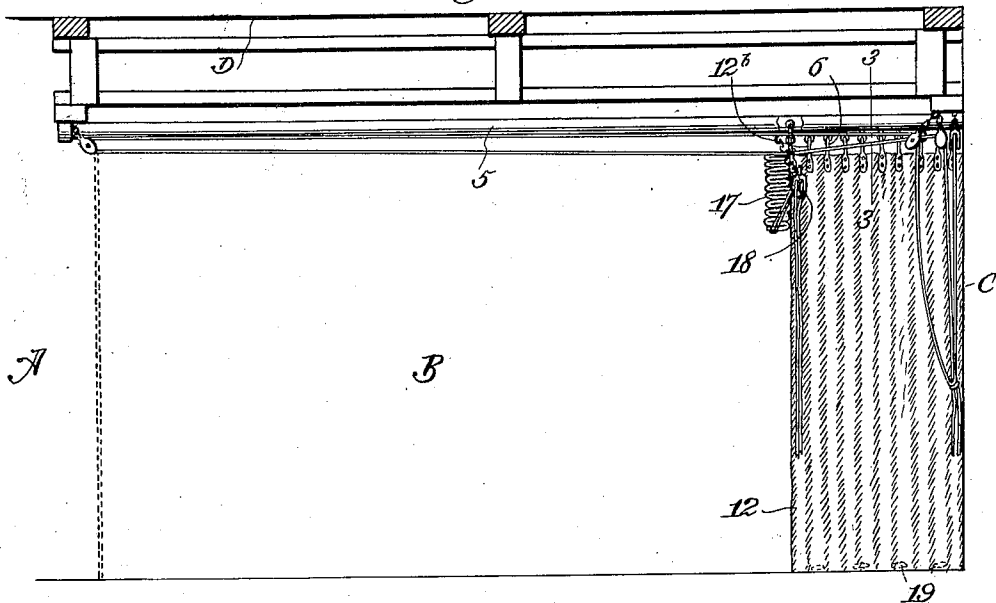


Fig. 2.

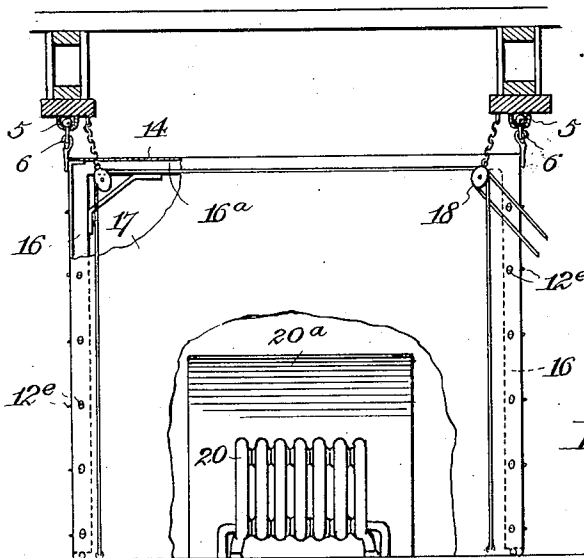


Fig. 3.

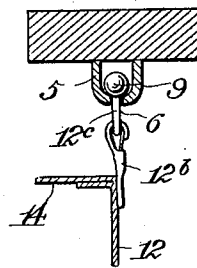
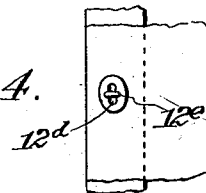


Fig. 4.



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DRYING-ROOM.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN F. REEDER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Drying-Rooms, of which the following is a specification.

This invention relates to drying rooms.

In drying rooms employed in factories or like places for the purpose of drying varnished surfaces or the like, it is customary to provide a sub-division of a floor space into a permanent drying room; the arrangement being such that much space is unnecessarily occupied when not in actual use.

In the invention which I will hereinafter explain in full detail, I provide a drying room of foldable or knock-down construction which may be incorporated as a part of a loft or floor space so that the entire surface of said space can be utilized when the drying room is not in use, means being provided whereby said drying room can be expeditiously adjusted and sub-divided temporarily from a surrounding or adjacent floor space and satisfactorily sealed therefrom to cut off atmospheric communication therewith and permit of a thorough circulation of heated air around the treated surfaces to be dried.

An essential feature of the invention resides in the telescopic formation of the walls of the drying room so that the structure may be adjusted to the size desired for use. In other words, I provide a drying room whose capacity may be varied according to the amount of work to be accommodated therein so as to minimize the amount of fuel consumed in the drying process.

Another object of the invention is to provide a drying room which will consist of foldable walls, and the incorporation therewith of a second or end wall, the latter being of foldable construction and adapted to be readily adjusted to provide a relatively wide entrance opening for the insertion of articles into and the removal of such articles from the drying room.

In the drawings:—

Figure 1 is a side view of my improved drying room showing the same collapsed in dotted lines and folded in full lines.

Fig. 2 is a similar view showing the structure folded, and

Fig. 3 is a transverse section on the line 3—3 of Fig. 1.

Fig. 4 is a detail view.

For the purpose of clear illustrations, A represents a loft or permanent room and B my improved drying room which, when not in use, is adapted to be collapsed against the adjacent side wall C of the room A.

Suspended from the ceiling D, of the room or loft A are parallel rails 5—5 on which sliding hangers 6 are mounted, the same including suitable anti-friction bodies 9 spaced apart at desired intervals.

Below the rails 5 and connected with the hangers 6 are side walls 12—12. These walls are preferably secured at their ends 13 to the adjacent end wall 12^a and as shown said side walls normally depend from a permanent top wall 14 which is disposed between the supporting rails 5—5 and under the ceiling D.

At the ends 15 of the side walls 12 are vertical posts or standards 16 and carried thereby is a foldable curtain 17 including an adjusting means 18 whereby it can be readily moved to the position shown in Fig. 1 or lowered to effect a closure for the drying room as will be understood. The upper ends of said standards 16 are connected together by a cross bar 16^a to which the forward edge of the top wall 14 is connected. The lower ends of said standards are mounted on rollers.

All the walls of the drying room are formed of canvas so that the structure can be substantially telescopic or collapsible to the size desired. The curtain 17 can also be accordingly folded so as to effect a closure when adjusted to one position or provide an opening for the placing of articles within the drying room or the removal of such articles therefrom when adjusted to a second position. The lower edges of the side walls 12 and also the edge of the curtain 17 are provided with suitable weights 19 so as to hold said edges in sealing contact with the floor E of the permanent room or loft and thereby cut off atmospheric communication between the space within the drying room and the surrounding outer space of said room or loft.

Arranged within the drying room is a heater 20 by means of which articles to be treated can be subjected to a drying process,

the wall structure of the room serving to confine the heat within said walls during said drying process. The heater is arranged at one side of a suitable baffle plate 20^a which is arranged adjacent to the next wall of the drying room as shown in Fig. 1.

The upper edges of the side walls 12 are provided with snap hooks 12^b adapted for removable connection with eyes 12^c formed on the hangers 6. The forward edges of the side walls are provided with openings 12^d adapted to be removably received by buttons 12^e on the standards 16.

What is claimed as new is:—

1. A drying room structure comprising, rails adapted to be supported in spaced parallel relation from the ceiling of a room, longitudinally foldable side walls suspended from and adapted to travel on said rails, a foldable top wall connecting said side walls, an end wall extending between said side walls and terminating at said top wall at one end of the structure and a closure wall adjoining the side walls and said top wall at the opposite end of the structure, said rails serving to permit the lower edges of all of said walls to lie in sealing contact with a floor or like surface.

2. A drying room structure comprising a plurality of depending foldable walls, means supporting said walls whereby the structure can be respectively collapsed and extended,

and means for adjusting the structure to regulate the size thereof.

3. A structure of the class described comprising a plurality of depending walls and a connecting top wall, all of said walls formed of flexible material, one of which is foldable in a vertical direction, and a heater inclosed by said walls, as and for the purpose specified.

4. A structure of the character described comprising supporting rails, hangers mounted to travel on said rails, flexible walls constituting a room-like inclosure, and devices detachably supporting said walls from said hangers, and a heater inclosed by said walls, the rails serving to cause the lower edges of all of said walls to come in sealing contact with a floor or like surface.

5. A structure of the character described comprising side and end walls respectively and a connecting top wall, each of said walls constructed of foldable material, and means for hanging said walls, so as to dispose the lower free edges thereof in sealing proximity with a floor or like surface, the side walls having sufficient fullness to permit respectively of the collapsing and distention of the structure to vary the internal area thereof, and a heater inclosed by all of said walls.

In testimony whereof I have affixed my signature.

JOHN F. REEDER.