

P. WALTHER.
CLOTHES DRIER ATTACHMENT FOR BOILERS.
APPLICATION FILED MAY 12, 1911.

1,045,481.

Patented Nov. 26, 1912.

2 SHEETS—SHEET 1.

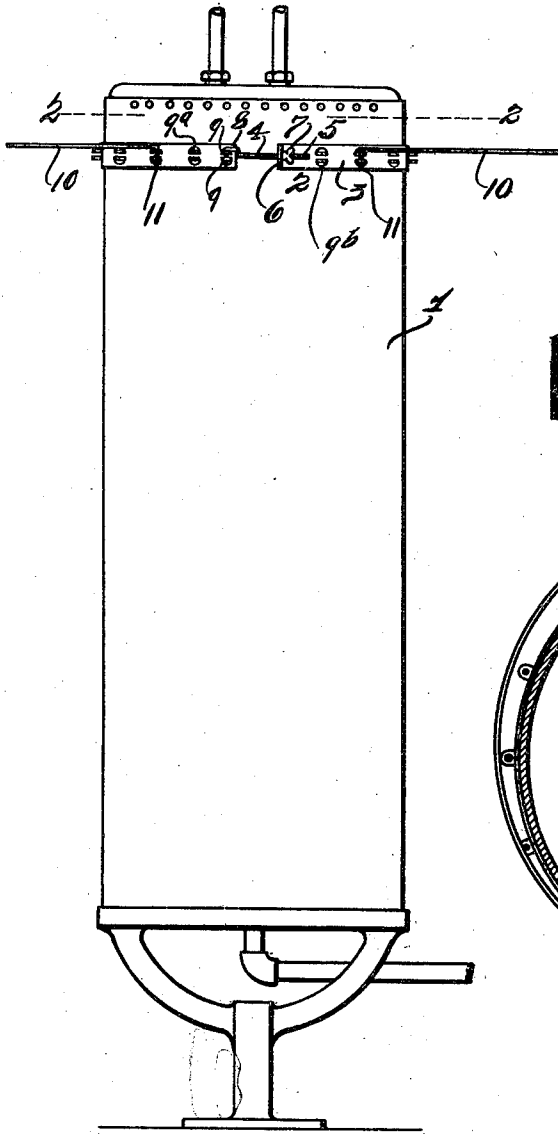


Fig. 1.

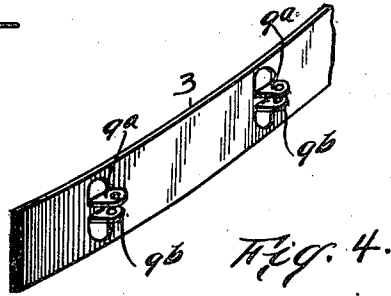


Fig. 4.

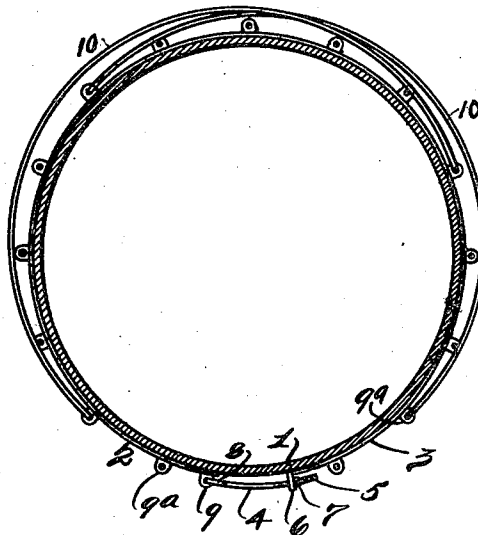


Fig. 2.

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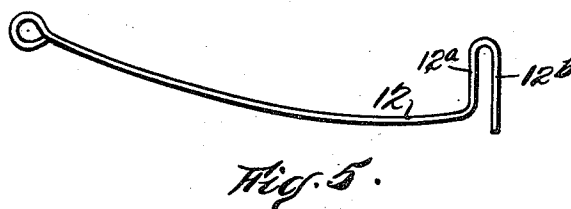
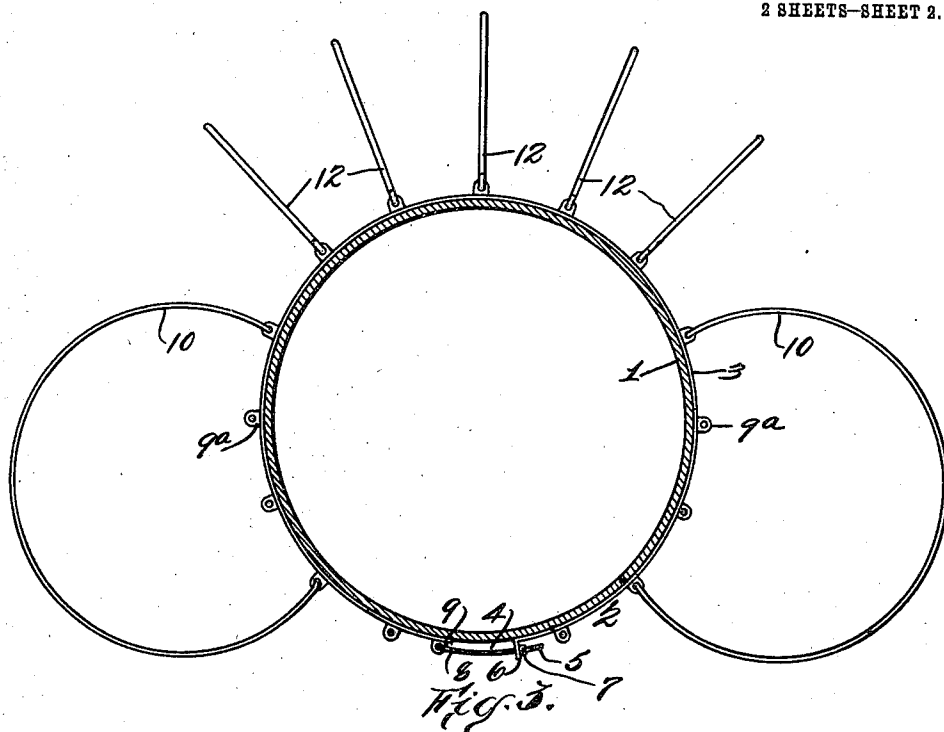
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2 SHEETS-SHEET 2.



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UNITED STATES PATENT OFFICE.

PAUL WALTHER, OF NEW YORK, N. Y.

CLOTHES-DRIER ATTACHMENT FOR BOILERS.

1,045,481.

Specification of Letters Patent.

Patented Nov. 26, 1912.

Application filed May 12, 1911. Serial No. 626,816.

To all whom it may concern:

Be it known that I, PAUL WALTHER, a subject of the Emperor of Germany, residing at New York, borough of Brooklyn, State of New York, have invented certain new and useful Improvements in Clothes-Drier Attachments for Boilers, of which the following is a specification.

This invention relates to clothes drier attachments for boilers such as are used in houses and flats, and the main object of the same is to provide a clothes-drier which may be attached to a boiler so that the heat radiated from the boiler may be utilized to facilitate drying of clothes, etc.

A further object of the invention is to provide a clothes drier which may be attached to a kitchen boiler, whereby the clothes-drier occupies a small space and is not in the way, which is of considerable importance in the small quarters of flats.

Further objects of the invention are to provide a practical, economical and efficient clothes-drier attachment for kitchen boilers, and which can be placed on the market at a comparatively small price.

My invention consists of certain features of construction and combinations of parts to be hereinafter described and then pointed out in the claims with reference to the accompanying drawings showing a desirable embodiment of the invention, and in which—

Figure 1 is a rear elevation of a kitchen boiler showing my improved clothes-drier applied thereto; Fig. 2 is a transverse section on the line 2—2, Fig. 1, showing the hanger portions of the drier adjusted to closed position when not in use; Fig. 3 is a similar view showing the hanger portions in position for use; Fig. 4 is a broken detail view of a clothes drier strap enlarged to more fully illustrate the hanger supporting ears; and Fig. 5 is a side elevation of a hanger arm such as preferably used.

Referring to the drawings, the kitchen boiler 1 may be of any suitable construction as it does not form any part of the present invention excepting in so far as it furnishes a supporting and heating means for the drier 2 which is applied thereto. Preferably, the drier 2 is supported at the upper part or top of the boiler so that the greatest heat is utilized.

The preferable form of clothes-drier attachment comprises a metallic strap 3 which is of such length that when the ends thereof

are connected in a suitable manner, an annular frame is provided to fit around the boiler. Preferably, the ends of the strap 3 are adjustably connected so as to provide an adjustable strap which may fit different sizes of boilers. One way of doing this is to connect the ends of the strap by means of a hook member 4 which is provided with a screw threaded shank 5 adapted to pass through a lug 6 arranged transversely of one end of said strap and standing at right angles to the strap, as clearly shown in Fig. 2. The threaded portion 5 receives a thumb nut or the like 7 for adjusting the hook member within said lug 6. The unthreaded end of said hook member is provided with a hook 8 which is adapted to engage in a pair of perforated ears 9—9 located at that end of the strap opposite to the transverse lug 6. It will be seen that when the hook member is applied with its hook in engagement with the ears 9 and its threaded portion passing through lug 6, that the strap 3 may be adjusted by turning the thumb nut 7 in one direction of the other for the purpose of fitting the strap as an annular frame to the particular boiler to which it is to be applied. In other words, the hook member 4 or the like provides means for securing the ends of the strap together and for adjusting the inner circumference of the annular frame to fit the periphery of different sizes of boilers. In addition to the pair of perforated ears 9 there is also a series of similar pairs of ears 9^a—9^b which extend along the outer surface of the strap and are preferably spaced at approximately equal distances apart. Supported by said perforated ears 9^a—9^b are clothes hangers 10 and 12. There is preferably a pair of clothes hangers 10 composed preferably of wire, each of such hangers being bent and bowed into shape so as to form bows and having a span of a length to extend at least half around the frame. For supporting the bowed hangers 10—10, the ends of the same are turned out laterally from the bows to form turned-out ends 11 at the ends of the bows, said turned-out ends being adapted to be inserted in appropriate pairs of perforated ears 9^a—9^b of the strap. The bowed and flexible hangers 10 are thereby supported in horizontal position, and by reason of their flexibility each may be set closely in closed position to the strap 3, or the said hangers may be set into open position by disengaging one end 11 of

the hanger from the strap and engaging the same with other ears 9^a—9^b nearer to the other end of the hanger, thereby setting the said hanger into bowed-out open horizontal position so that each hanger may receive any suitable clothing or the like which may be hung thereon and dried quickly by reason of the heat radiated from the boiler. The open outwardly adjusted position of the bowed hangers 10—10 is illustrated in Fig. 3. Obviously the bowed hangers may be adjusted to greater or less extended position according to the perforated ears with which the ends of said hangers are engaged. When the bowed hangers are not in use, one end of each may be disengaged from the strap and said end engaged with another pair of ears 9^a—9^b, whereby the extended bowed hanger is set to closed position quite close to the supporting strap. The closed position of the bowed hangers is clearly shown in Fig. 2.

In addition to the described bowed hangers, other forms of hangers such as 12 before referred to may be used, these being supported between the two bowed hangers. For supporting each hanger 12 which is preferably in the form of an arm of wire, it is provided at its inner end with an out-turned hook portion 12^a and a parallel reverse turn hook portion 12^b which may be engaged in the perforations of a pair of ears 9^a—9^b located between the bowed hangers. There may be as many of these arm hangers 12 as there are pairs of lugs between the bowed hangers when the latter are adjusted to support clothes. The bowed hangers are of such capacity as to support clothes of large size, while the arm hangers are well adapted for supporting smaller articles.

The described clothes-drier attachment for boilers occupies a small space when shipped, and a number of them may be shipped in a comparatively small package, while when the clothes-drier is in position either out of use or in use, it is not in the way, and fur-

nishes a very convenient means for rapidly drying clothes.

What I claim as new is:—

1. In a clothes drier attachment for boilers, the combination of a strap, means for securing the ends of the strap together to form an annular frame, flexible bowed hangers, and means for securing the ends of each of said hangers to said strap at variable distances apart and for supporting said hangers in position on said strap.

2. In a clothes drier attachment for boilers, the combination of a strap forming a frame and provided with a series of perforated ears spaced along the length thereof, means separate from said ears for securing the ends of the strap together, and flexible bowed hangers provided with out-turned ends each having a variable span and adapted for insertion in said ears at at least three points along the length of said strap.

3. In a clothes drier attachment for boilers, the combination of a strap, forming a frame and provided with a series of perforated ears spaced along the length thereof, means separate from said ears for securing the ends of the strap together, and flexible bowed hangers each having a span of a length to extend at least half around said frame provided with out-turned ends adapted for insertion in said ears at at least three points along the length of said strap.

4. The combination with an upright boiler, of a clothes drier attachment thereon comprising an annular frame fitting said boiler, flexible adjustable hangers adapted to be supported by said frame, and means for securing the ends of each of said hangers to said frame at variable distances apart and for supporting said hangers in position on said frame.

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Witnesses:

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