June 10, 1930. G. T. HOYNS 1,762,628

CLOTHES DRYING RACK

Filed May 27, 1929

Fig. 1.

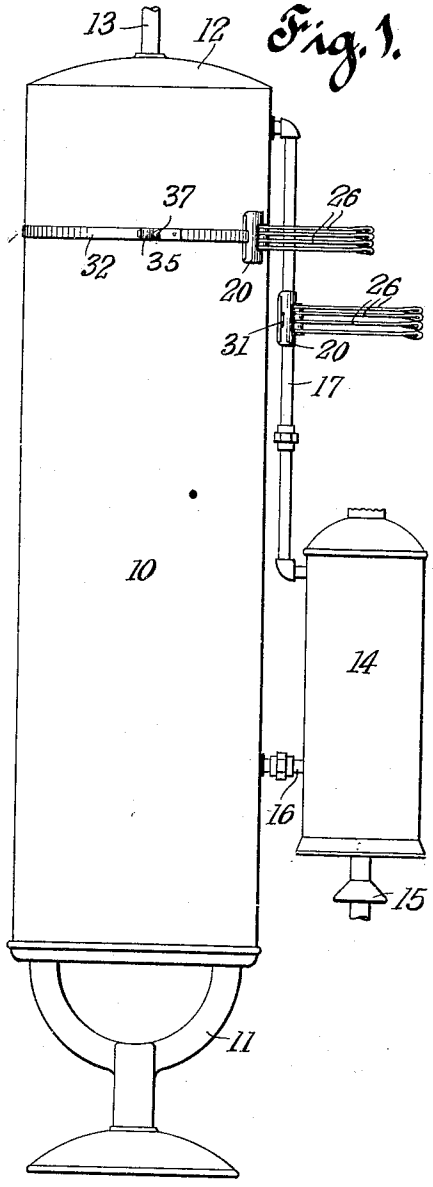


Fig. 2.

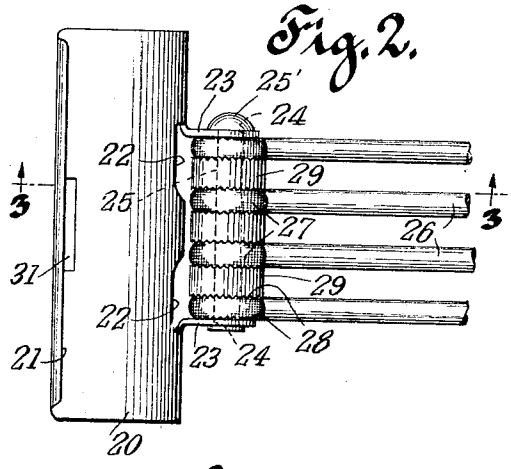


Fig. 3.

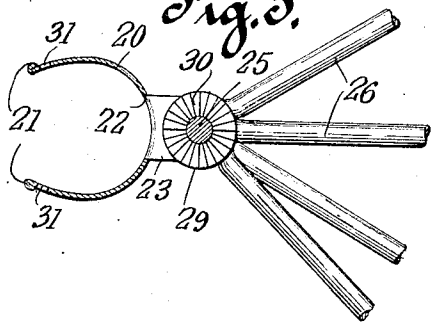
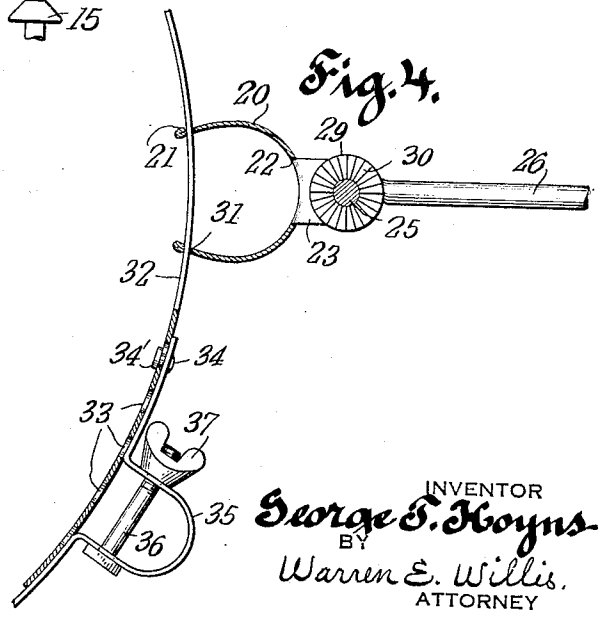


Fig. 4.



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Patented June 10, 1930 1,762,628

UNITED STATES PATENT OFFICE

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CLOTHES-DRYING RACK

Application filed May 27, 1929. Serial No. 366,197.

This invention relates to racks for drying miscellaneous small textile articles of domestic nature and particularly to devices adapted for use in connection with hot water tanks as commonly employed in ordinary household purposes.

An object of the invention is to provide an attaching member which may be quickly in securely but removably engaged with a steam or hot water pipe connected with a hot water tank or any other like cylindrical object.

A further feature is in the provisions of a spring attaching member having elongated slots adjacent its beaded longitudinal edges through which a flexible strap of metal may be passed capable of engagement with a hot water tank.

Another purpose is to produce a support of this character constructed in such a manner that the articles are held at a distance from the object to which the attaching member is applied upon a series of supporting arms, which may be folded or nested, whereby occupying very little space and thus enabling an economical way of making shipment.

These and other like objects, which will become manifest as the description progresses, are attained by the novel construction and combination of parts hereinafter described and shown in the accompanying drawing, forming a material part of this disclosure, and in which:

Figure 1 is a side elevational view of a conventional water heater and tank, illustrating two applications of an embodiment of the invention.

Figure 2 is an enlarged side view of the spring clip and support arms carried by it.

Figure 3 is a sectional view taken on line 3—3 of Figure 2.

Figure 4 is a similar sectional view of the same as carried by a band encircling the hot water tank.

An ordinary type of water tank is designated in the drawing by the numeral 10, the same being supported on a floor stand 11 and provided at its dome 12 with an outlet pipe 13.

A conventional water heater 14, provided with a burner 15, using oil or gas, as may be convenient; water passes from the tank 10 to the coils contained in the heater through a connection 16, and from the coils to the upper part of the tank through a relatively long upright connection 17; all the foregoing elements being old and well known, constituting no part of the invention.

A plate of flat spring metal of generally rectangular contour is bent arcuately to produce incurved wing elements 20 at its sides, the cross-section being somewhat like the alphabetical character **C**, these wings having outturned beads 21 at their longitudinal edges and are adapted to be sprung over the pipe 17 to firmly adhere by friction thereto.

The pipes 17 are almost invariably the same diameter, being commercially known as three-quarter pipes, and are not particularly smooth on their exteriors, hence the use of the rounded beads 21 which glide over any roughnesses or irregularities, to points directly opposite and past the center of the pipe, which is thus securely grasped.

Prior to bending the plate two semi-circular sheared cuts 22 are made in the main front portion to produce a pair of opposed spaced lugs 23 bent to extend at right angles outwardly in parallel, these lugs having registering perforations 24 through which is passed a pivot pin 25 having a head 25′ and being upset at the opposite end after assembly.

A series of article supporting arms 26 are coiled at one end to provide eyes 27 through which the pin 25 freely passes, these eyes being stamped to produce a flattening effect and also a plurality of radially disposed corrugations 28.

Intermediate each eye are disposed washers 29 having on their opposed faces similar intermeshing corrugations 30, the effect of the corrugations, under the spring action of the lugs 23, being to retain any and all of the arms in their individual adjustment.

If it be desired to attach the support to the tank 10, rather than the pipe 17, elon-

gated slots 31 are provided in the wings 30 closely adjacent the beads 21, the same to receive a metal strap 32 encircling the circumference of the tank, as seen in Fig. 1.

The strap 32 is provided in one of its end portions with a series of spaced perforations 33, the opposite end of the strap having a single stud 34 riveted therein, the stud having a head 34′ suited to pass through any of the openings 33 selectively.

To firmly clamp the strap to the tank, an outstanding loop 35 is formed in its end portions contiguous the stud, this loop being perforated to receive a bolt 36 extending through both its members, and a thumb nut 37 engaged on the bolt provides an effective and convenient means for stressing the strap, thereby clamping the support elements firmly in position on the tank.

From the foregoing it will be seen that a simple device for this purpose has been disclosed in the preferred form of its embodiment, but it is not desired to restrict the details to the exact construction shown, it being obvious that changes, not involving the exercises of invention, may be made without conflicting with the scope of the appended claims.

Having thus described the invention, what is claimed as new and desired to secure by Letters Patent, is:—

1. In a clothes drying rack, a plate member of C shape in cross section presenting a pair of incurved spaced wing elements having outer parallel edges, and provided with slots slightly to the rear of said edges, lugs projecting from said plate member for supporting rack arms, and a strap for encircling a boiler of circular cross section, said strap passing through the slots for urging said parallel edges against the boiler irrespective of the diameter of the latter element.

2. In a clothes drying rack, a plate member of substantially C shaped cross section presenting a pair of incurved spaced wing elements having outer parallel edges, and having slots slightly to the rear of said edges, lugs projecting from said plate member for supporting rack arms, and a strap for encircling a boiler of circular cross section and passing through said slots for urging said parallel edges against the boiler irrespective of the diameter of the latter element, said parallel edges terminating in outturned bead portions.

In testimony whereof I affix my signature.

GEORGE T. HOYNS.