

Nov. 27, 1928.

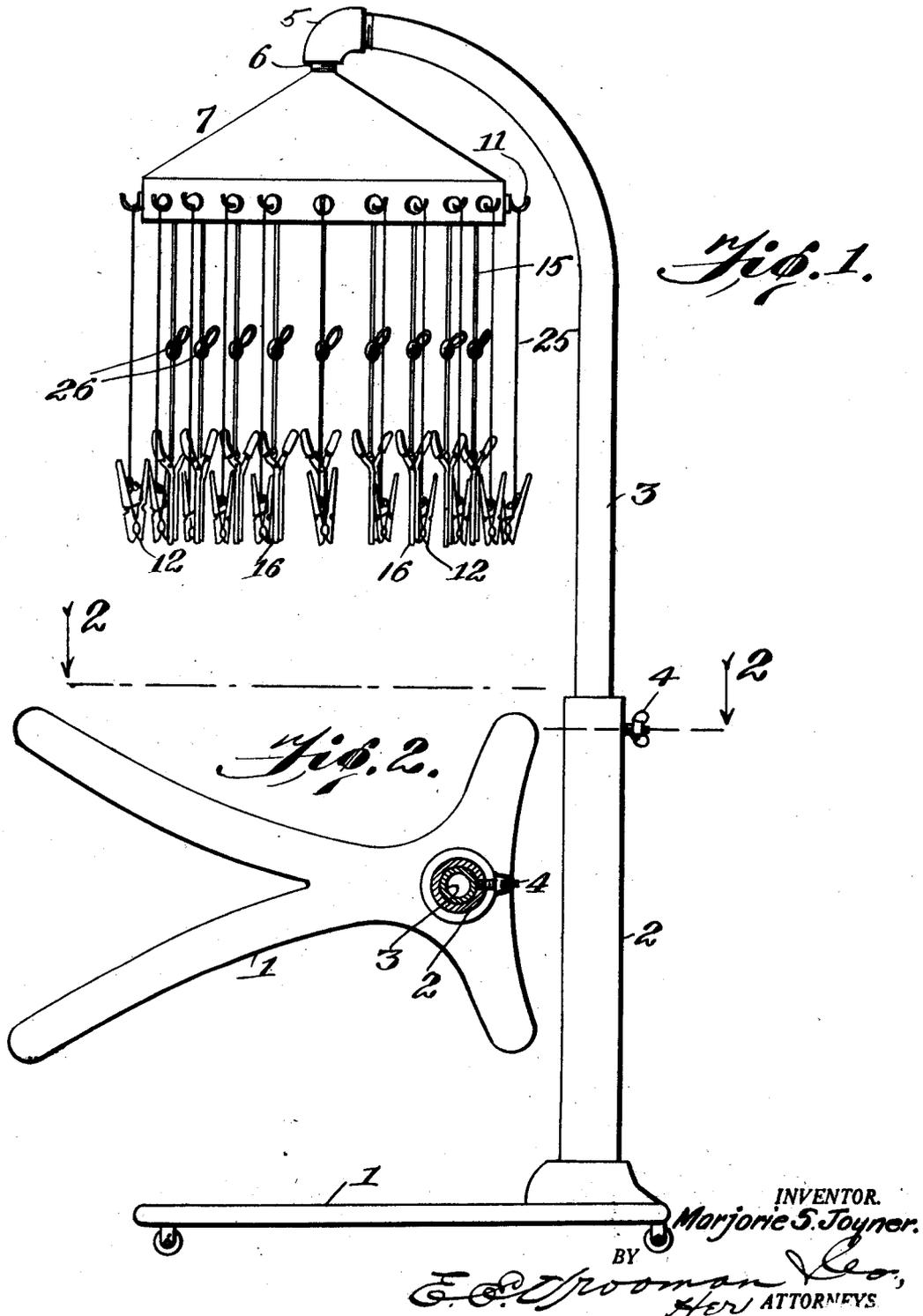
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M. S. JOYNER

PERMANENT WAVING MACHINE

Filed May 16, 1928

3 Sheets-Sheet 1



Nov. 27, 1928.

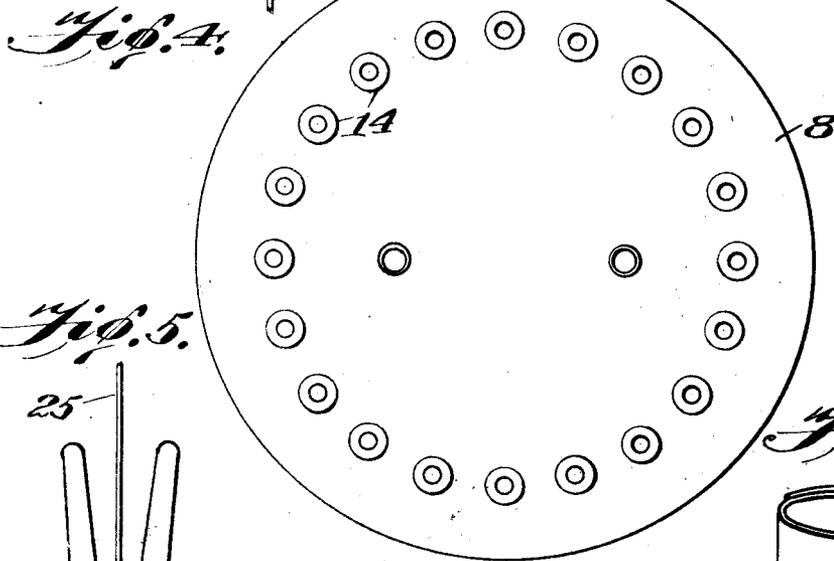
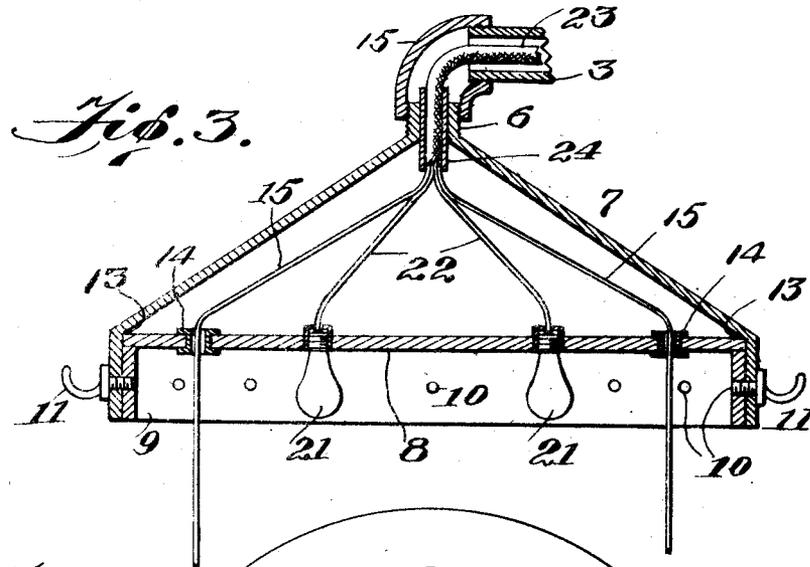
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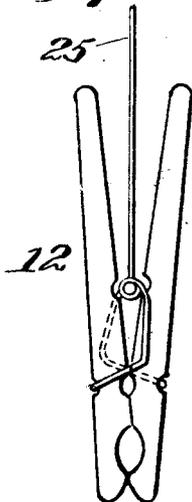
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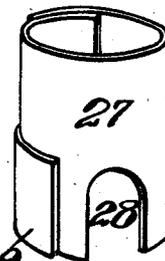
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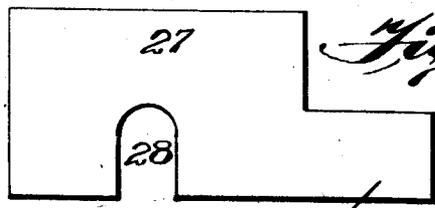
*Fig. 5.*



*Fig. 8.*



*Fig. 7.*



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Nov. 27, 1928.

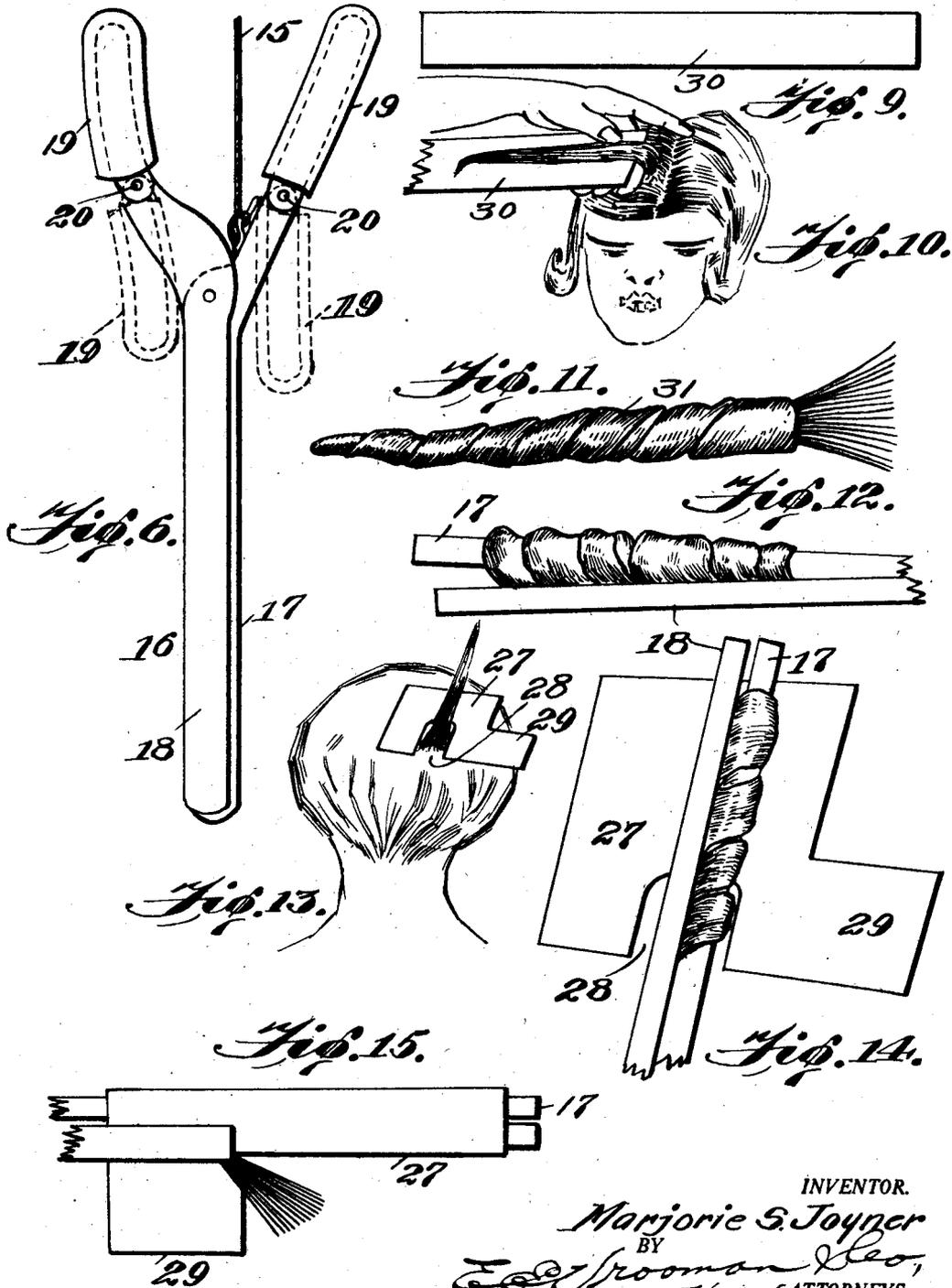
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PERMANENT WAVING MACHINE

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3 Sheets-Sheet 3



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Patented Nov. 27, 1928.

1,693,515

# UNITED STATES PATENT OFFICE.

MARJORIE S. JOYNER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE MADAME C. J. WALKER MANUFACTURING COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

## PERMANENT-WAVING MACHINE.

Application filed May 16, 1928. Serial No. 278,174.

This invention relates to a permanent waving machine.

The object of the invention is the construction of a simple and efficient machine that will wave the hair of both white and colored people.

Another object of the invention is the construction of a machine that embodies an efficient dome which carries the curling irons and the clamping device used during the waving process.

A still further object of the invention is the construction of a simple and efficient scalp protector used upon the patron's head, during the process of waving her hair.

With the foregoing and other objects in view, my invention comprises certain novel constructions, combinations and arrangements of parts as will be hereinafter fully described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claims.

In the drawings:

Figure 1 is a view in side elevation of my permanent waving machine.

Figure 2 is a sectional view, taken on line 2-2, Figure 1, and looking in the direction of the arrows.

Figure 3 is a vertical sectional view of the dome of my machine.

Figure 4 is a plan view of the outer or bottom face of the spacing plate of the dome.

Figure 5 is a view in elevation of one of the clamping devices.

Figure 6 is a view in elevation of one of the electric curling irons.

Figure 7 is a view showing the blank form of the scalp protector, while

Figure 8 is a folded view of the same.

Figure 9 is a plan view of a flannel strip.

Figure 10 is a perspective view, showing the hair placed on a flannel strip, ready to wrap.

Figure 11 is a view showing a flannel wrapped around hair ready to be wrapped on rod of iron.

Figure 12 shows flannel wrapped around one square inch of hair, then wrapped on the iron part of the curling iron.

Figure 13 shows the scalp protector placed around one square inch of hair on the patron's head.

Figure 14 is a view showing the scalp protector, and the beginning of wrapping of the hair on the iron.

Figure 15 shows the scalp protector around the hair after being wrapped on irons.

Referring to the drawings by numerals, 1 designates the base of my machine, which has an integral hollow upright 2, into which extends the standard 3; this standard 3 is held in any desired adjusted position, in upright 2, by the fastening means 4. On the upper, outer end of standard 3 is a sleeve 5; into sleeve 5 is screwed the hub 6 of the dome 7.

The dome 7 has a spacing plate 8 therein, and this plate is held in position by locking ring 9. Ring 9 is held in place by the inner threaded ends 10 of hooks 11 extending through the dome and the ring. The hooks 11 perform two functions, to wit: They support the clamping devices 12 as well as lock ring 9 in the dome, whereby the spacing plate is securely held in position, but can be quickly removed for adjusting or inspecting the wiring, by merely removing the hooks 11 and ring 9.

In the drawings, I have preferably shown the spacing plate in the nature of a disc, resting on the top edge of ring 9, and bearing at 13, snugly against the inner face of dome 7. The spacing plate is provided with a number of insulating sleeves 14, through which are threaded the wires 15; to each wire 15 is attached a curling iron 16. The curling iron 16 is preferably of the ordinary electrical type, and comprises the iron 17 and the deep jaw 18. The grips 19 are pivotally mounted at 20, so that when the curling iron is not in use, the grips can be turned down to the folded position, shown in Figure 6, to place the grips out of the way or in a more compact position. Lamps or lights 21 are supported by the spacing plate 8 and are supplied with electric current through wires 22; wires 15 and 22 are placed in a single cable structure 23 that extends through a sleeve 24, in hub 6, through sleeve 5 and standard 3.

The clamping devices 12 are attached to cords 25, which cords are suspended on the hooks 11. Therefore, when the curling irons have been placed on the hair of the patron, the clamping devices can be clamped upon the curling irons, taking the weight of said irons off the head of the patron. The operator can use any length cords 25 desired, and the length of the wires 15 can, so to speak, be shortened or lengthened by the take-up devices 26.

The scalp protector (Figs. 7, 8 and 13) is formed from a blank sheet of material and

comprises a body 27 that has an incut 28 at one of its longitudinal edges; a tongue 29 extends from one end of body 27.

In Figure 9, I have shown a flannel strip 30 that is used to place the hair on, and then the hair is wrapped around said strip. In Figure 11, I have shown the flannel 31 wrapped around the hair ready to be wrapped on the rod 17 of the curling iron. In Figure 12 I have shown the flannel wrapped around one square inch of hair, then wrapped on the rod or iron 17 of the curling iron 16. In Figure 13, the scalp protector is shown placed against the patron's head around one square inch of hair, and in Figure 14, is shown the first position of wrapping the hair on the curling iron. In Figure 15, the scalp protector is shown around the hair after being wrapped on the curling iron.

While I have described the preferred embodiment of my invention, certain minor changes or alterations may appear to one skilled in the art to which this invention relates during the extensive manufacture of the same, and I, therefore, reserve the right to make such changes or alterations as shall fairly fall within the scope of the appended claims.

What I claim is:

1. In a permanent waving machine, the combination with a standard, of a dome carried by said standard, said dome provided with a spacing plate therein, hooks on said dome, means supported by said hooks and retaining the spacing plate within the dome, lights and curling irons supported upon said spacing plates, and clamping devices supported by said hooks.

2. In a permanent waving machine, the combination with a standard, of a dome carried by said standard, a spacing plate in said dome, a locking ring in said dome against said spacing plate, hooks having portions engaging said dome and locking ring and holding the locking ring and spacing plate in position, and lamps, curling irons and clamp-

ing devices suspended from said dome, spacing plate and hooks, respectively.

3. In a permanent waving machine, the combination with a standard, of a dome depending from said standard, a disc-like plate up in said dome, lamps and curling irons suspended upon said plate, and clamping devices supported by hooks attached to the dome.

4. In a permanent waving machine, the combination with a standard, of a sleeve on the outer end of said standard, a dome with a hub, said hub threaded into said sleeve, a second sleeve in the hub of said dome, a disc-like plate up in the dome and bearing against the same, a locking ring in the dome against the bottom face of said disc-like plate, hooks provided with inner threaded ends, said threaded ends threaded through the dome and said locking ring holding the locking ring and disc-like plate in the dome, lamps supported by said disc-like plate, wires extending through said disc-like plate in spaced relation, curling irons attached to said wires, and clamping devices carried by cords attached to said hooks, substantially as shown and described.

5. In a permanent waving machine, the combination with a standard, of a dome depending from said standard, said dome provided with a spacing plate, said plate provided with insulating sleeves, electric wires or cords threaded through said insulating sleeves, curling irons attached to said electric wires, and curling iron clamping devices suspended upon the outside of said dome.

6. In a permanent waving machine, the combination of a standard provided with a depending dome, a removable spacing plate within the dome, electric lamps and curling irons suspended upon said spacing plate, and detachable hooks on the outside of said dome.

In testimony whereof I hereunto affix my signature.

MARJORIE S. JOYNER.