No. 834,953. PATENTED NOV. 6, 1906.

O. T. WEISER.

RHEOSTAT.

APPLICATION FILED FEB. 7, 1906.

FIG. 1.

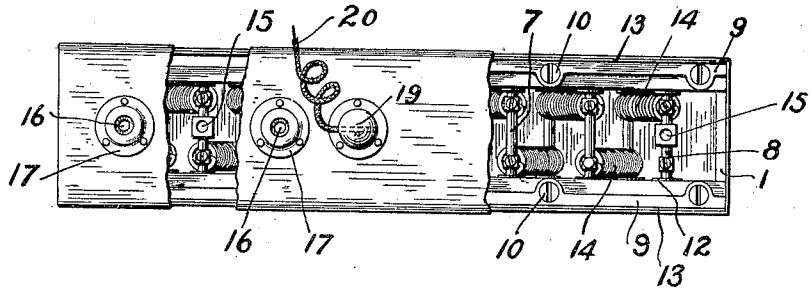


FIG. 2.

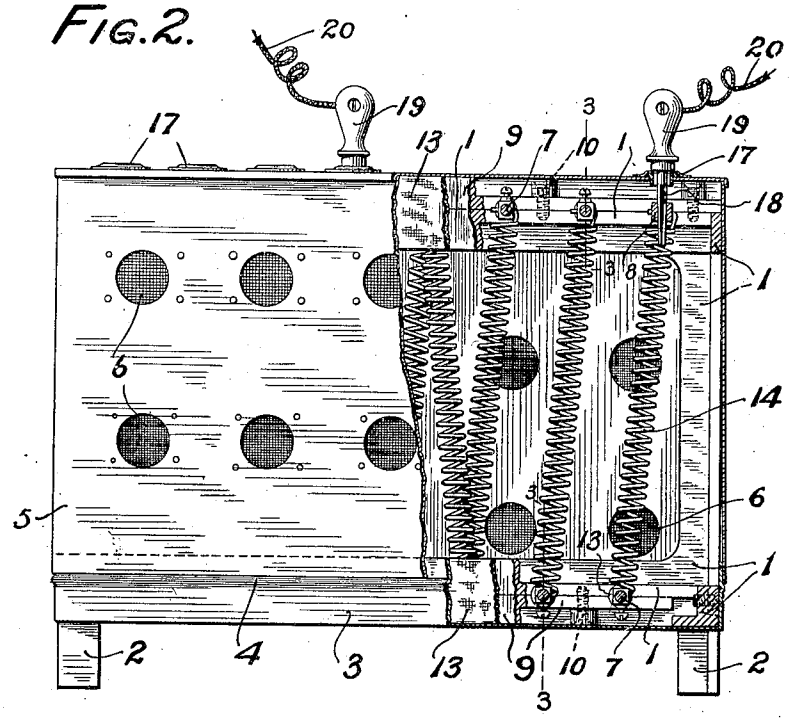
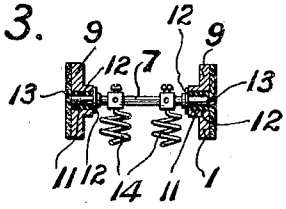


FIG. 3.



WITNESSES:

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RHEOSTAT.

No. 834,953. Specification of Letters Patent. Patented Nov. 6, 1906.

Application filed February 7, 1906. Serial No. 299,857.

To all whom it may concern:

Be it known that I, ORVILLE T. WEISER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain Improvements in Rheostats, of which the following is a specification.

This invention is a rheostat designed particularly to provide a simple and convenient fireproof structure suitably insulated for use with moving-picture-exhibiting machines, stage-lighting apparatus, or the like.

In the accompanying drawings, Figure 1 represents a plan view of the invention with part of the casing broken away. Fig. 2 represents a side elevation thereof with part of the casing broken away; and Fig. 3 represents a side view of a conducting-bar and a sectional view of the frame, taken on the lines 3 3 of Fig. 2.

As represented in the drawings, the invention comprises the rectangular frame 1, supported by the feet 2. The lower part of the frame has fixed thereon the sheet-metal incasement 3, provided with the bead 4, and the upper part of the frame is covered by the removable sheet-metal incasement 5, which telescopes with the lower incasement and rests on the bead. Screened holes 6 are formed in the casing comprising the parts 3 and 5 to provide ventilation, permitting heated air to pass out and cold air to pass in and preventing accidental contact with the interior conductors from the outside.

The longitudinal frame members 1 support the conducting cross-bars 7 and 8, which are held in place by the clamping-bars 9, secured by the screws 10 to the frame members 1. The ends of the cross-bars rest in the seats 11, being separated from the parts 1 and 9 by insulating material 12 and from the casing by the insulating material 13.

Resistance-coils 14 connect the upper and lower bars 7 and 8 in series.

In the bars 8 are sockets 15, which register with openings 16, surrounded by insulating-rings 17 in the top of the casing, terminal conducting-plugs 18, carried by the insulating knobs or handles 19, passing through the openings 16 into the sockets 15.

The circuit-wires 20 are set in the handles 19 in contact with the plugs 18, and the circuit is completed through the bars 8, coils 14, and bars 7, the resistance being varied by changing the positions of the plugs.

Having described my invention, I claim—

1. A rheostat comprising a frame, conducting members supported by and insulated from said frame, resistance-coils connected in series by said conducting members, a ventilating fireproof cover, and terminal plugs adapted to pass through said cover into sockets of certain of said conducting members.

2. A rheostat comprising a frame, transverse upper and lower conducting-bars supported by and insulated from said frame, a number of said bars having sockets therein, resistance-coils connected in series by said bars, and terminal plugs adapted for engagement in said sockets.

3. A rheostat comprising a frame, clamping members engaging said frame, conducting members held by and insulated from said frame and clamping members, resistance-coils connected in series by said conducting members, a fireproof cover for said mechanism, and terminal members which pass through said cover into contact with said bars.

4. A rheostat comprising a rectangular frame, clamping-bars engaging said frame, transverse upper and lower conducting-bars held by and insulated from said frame and clamping-bars, a number of said upper conducting-bars having sockets therein, resistance-coils connected in series by said upper and lower conducting-bars, a ventilating fireproof cover for said mechanism, and adjustable terminal plugs passing through apertures in said cover into said sockets.

In testimony whereof I have hereunto set my name this 6th day of February, 1906.

ORVILLE T. WEISER.

Witnesses:

ROBERT JAMES EARLEY,

HENRY S. GOLDEY.