T. G. THOMAS.

SMOOTHING IRON.

APPLICATION FILED MAY 4, 1911.

1,010,092. Patented Nov. 28, 1911.

2 SHEETS—SHEET 1.

Fig. 1.

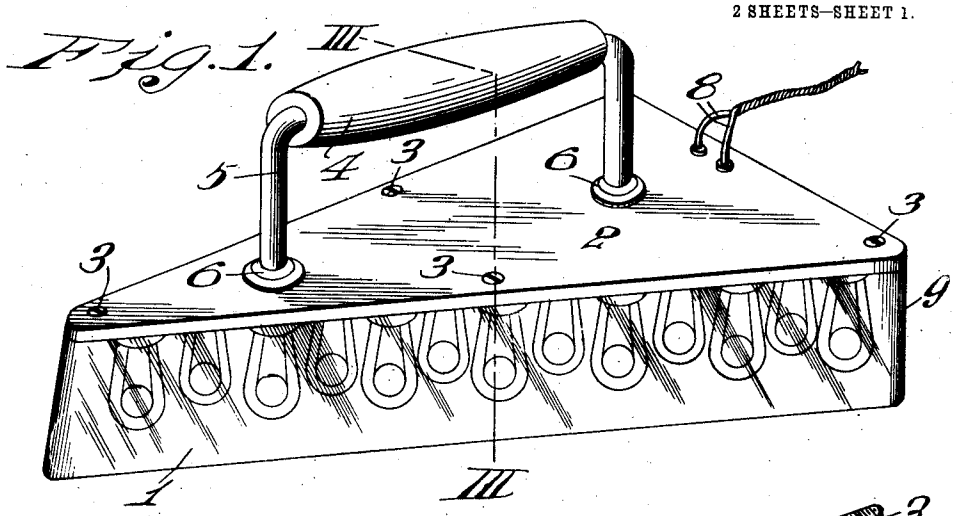


Fig. 2.

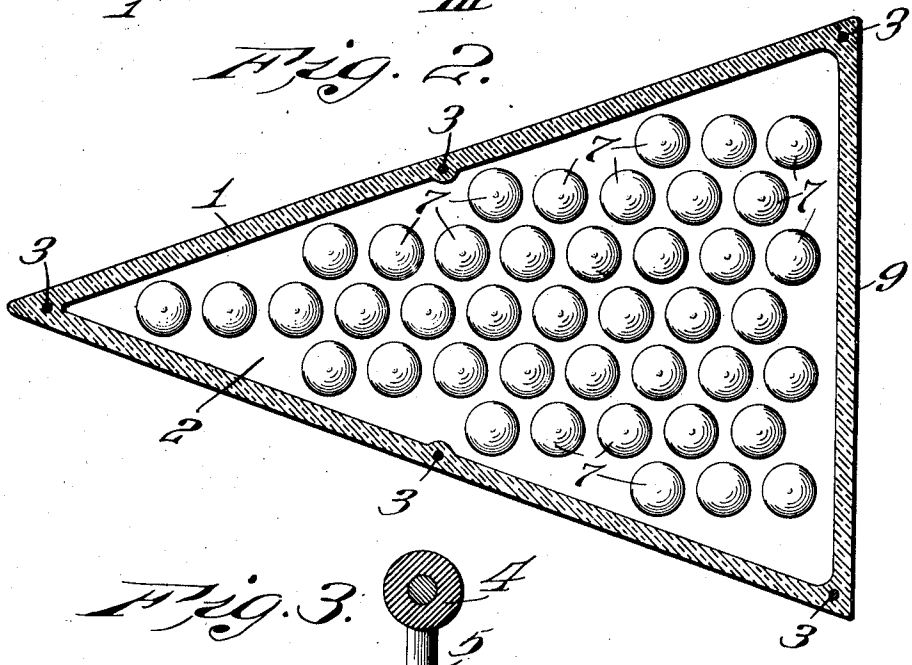
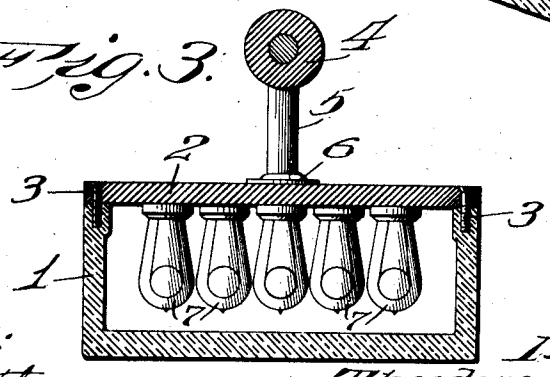


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 4.

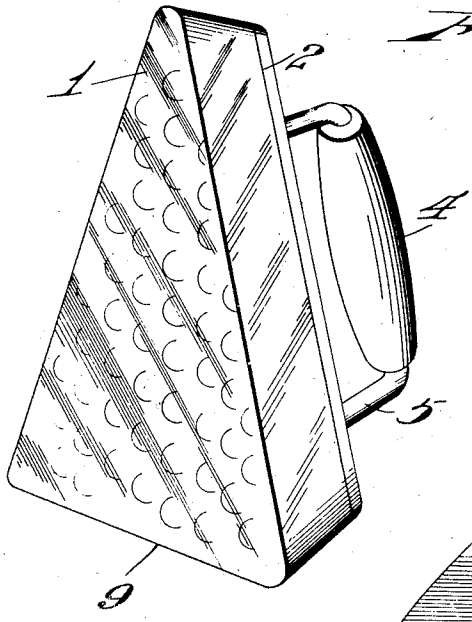


Fig. 5.

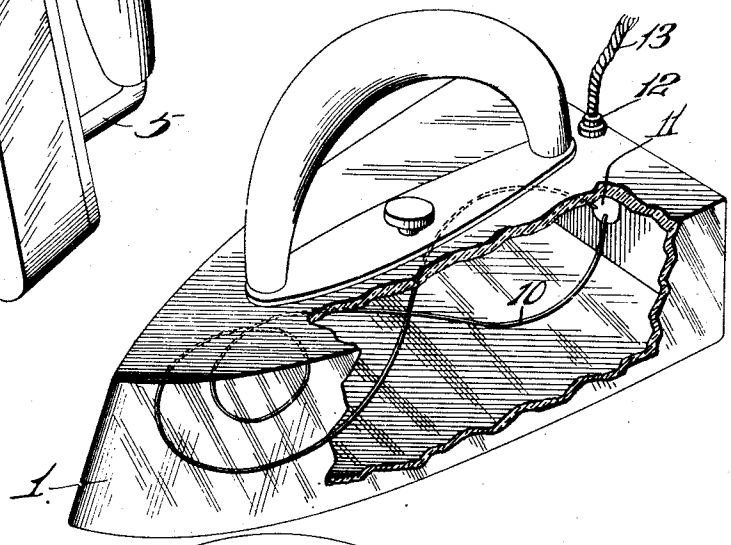
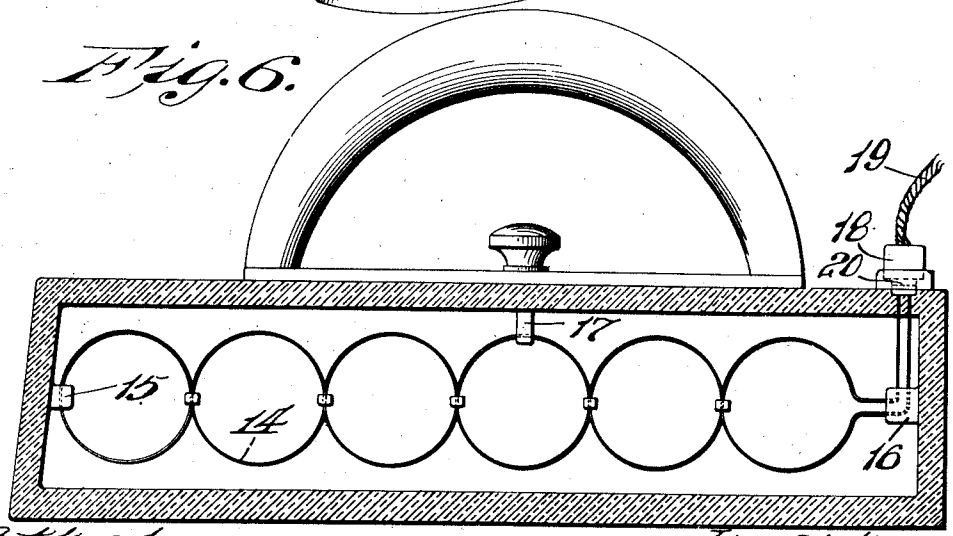


Fig. 6.



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SMOOTHING-IRON.

1,010,092. Specification of Letters Patent. Patented Nov. 28, 1911.

Application filed May 4, 1911. Serial No. 625,093.

To all whom it may concern:

Be it known that I, THEODORE G. THOMAS, a citizen of the United States of America, residing at Houston, in the county of Harris and State of Texas, have invented certain new and useful Improvements in Smoothing-Irons, of which the following is a specification.

This invention relates to smoothing irons, and has for its primary object to provide an improved construction, combination, and arrangement of parts in devices of this character.

More specifically, an object of this invention is to provide a smoothing tool with a hollow transparent body adapted to contain heat producing incandescent lights of sufficient power to heat the transparent body, so that it may be used as a smoothing tool, while at the same time emitting light through the transparent body to enable the operator to see clearly in a dark or illy lighted room. A very important advantage obtained is the prevention of any shadow whatsoever being cast upon the work.

Another object is to provide improved means for assembling a plurality of incandescent electric lights in a smoothing tool constructed of glass, and improved means whereby said lights may be readily removed and replaced in position.

Other and further objects will appear in the specification and be specifically pointed out in the appended claims, reference being had to the accompanying drawings exemplifying the invention, and in which—

Figure 1 is a perspective view of a smoothing tool constructed in accordance with the principles of the present invention. Fig. 2 is a horizontal section through the same, seen from below. Fig. 3 is a section on line 111—111, Fig. 1. Fig. 4 is a perspective view of the smoothing tool used as an illuminating body. Figs. 5 and 6 show other embodiments.

Referring more particularly to the drawings, and to the embodiment shown therein, my improved smoothing tool comprises a hollow transparent body 1, preferably of any suitable glass, which will stand up under the necessary heat, and a cover plate 2 which is removably secured to the hollow body 1 by means of screws 3 or other suitable fastenings. Secured to the cover plate 2 is a handle 4 of non-conducting material which is carried by a bent bar 5 which is secured in any suitable manner at 6 to the cover plate 2. The cover plate 2 is preferably made of suitable non-conducting material, and has projecting from its end face a plurality of incandescent light bulbs 7 which may be energized in any suitable manner, such as by electric wires 8 which pass through the cover plate 2 and are connected up with the bulbs 7 in any suitable manner (not shown in the drawings).

The hollow transparent body portion 1 is adapted to transmit light on all sides, as well as through the bottom ironing plate. In order to adapt it to be used as an illuminating means, only, the smoothing tool is provided with a perfectly flat end face 9, whereby it is adapted to be disposed on end, as shown in Fig. 4.

Preferably, the bottom of the smoothing tool is made of ground surface glass to adapt it to perform the functions of a flat iron; while, in order to avoid an annoying brightness to the operator's eye, disposed above, the top or cover plate is preferably colored or stained, or otherwise made opaque. If deemed expedient, the bottom plate of the smoothing tool can be made of iron, steel, or any other suitable metal, with only the lateral sides transparent, thus securing the desired illumination.

The handle may be made detachable, if so desired; and may be of wood, or other suitable material, to avoid overheating of the same.

In the embodiment shown in Fig. 5, the body of the smoothing tool is made of glass throughout, and when constructed, is made to form a vacuum, within which, is disposed the incandescent heating filament 10, which passes through a glass plug 11 projecting from the end wall of the tool, and then through a plug 12 in the top wall thereof. The filament is energized through electric wires 13, which pass through the plug 12 into the hollow interior of the smoothing tool. By thus forming the body of the tool with a vacuum, the employment of separate incandescent bulbs is obviated, and if desired, the plug 12 can be made of sufficient size to permit the filament 10 being renewed through the plug hole.

In the embodiment shown in Fig. 6, the filament wires 14 are arranged in circled loops, being supported at the pointed end of the tool by an insulating projection 15, and at the flat end by an insulating projec-

tion 16. These loops are supported at the center by a depending insulator 17. The plug 18 with which the service wires 19 connect is adapted to fit into the socket 20 for supplying the necessary current of electricity.

What I claim is:

1. A transparent smoothing tool having a light emitting element within it.

2. The combination with a hollow transparent smoothing tool, of heat emitting lighting means therewithin.

3. The combination with a hollow transparent smoothing tool, of incandescent heat emitting lights installed therewithin.

4. In a device of the character described, the combination with a smoothing tool provided with transparent lateral walls, of a plurality of incandescent lights disposed within said tool.

5. The combination with a hollow transparent smoothing tool body, open at the top, of a cover plate therefor, and a plurality of incandescent light bulbs depending from said cover plate into said body.

6. In a device of the character described, the combination with a transparent hollow body open on one face, of a cover plate for said face, and heat emitting lighting elements secured to said cover plate.

7. In a device of the character described, the combination with a transparent hollow body open on one face, of a cover plate for said face, and heat emitting lighting elements secured to said cover plate; said cover plate being constructed of opaque material.

8. In a device of the character described, the combination with a hollow transparent body open at the top, of an opaque cover plate therefor, a plurality of incandescent bulbs depending from said cover plate, and means for conveying electricity to said bulbs, and a handle mounted on said cover plate.

9. In a device of the character described, the combination with a hollow transparent body portion, of light emitting heating means contained within said hollow body; said hollow body being flat on one end to adapt it to be used as a lamp.

10. In a device of the character described, the combination with a hollow smoothing tool body provided with a transparent bottom plate, said body being provided with a flat end portion to adapt it to sit upright, of a cover plate for said body portion, and a plurality of incandescent light bulbs projecting from said cover plate into said hollow body.

THEODORE G. THOMAS.

In the presence of—
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D. F. KENNEDY.