July 15, 1947. L. I. OSIPOW ET AL 2,423,945

ELECTROLYTIC STEAM PAD FOR IRONING BOARDS

Filed Nov. 3, 1944

Fig. 1.

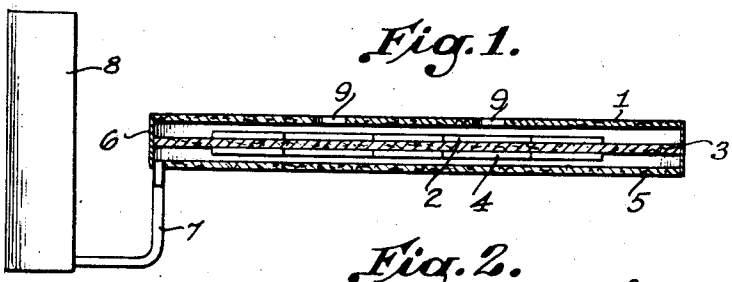


Fig. 2.

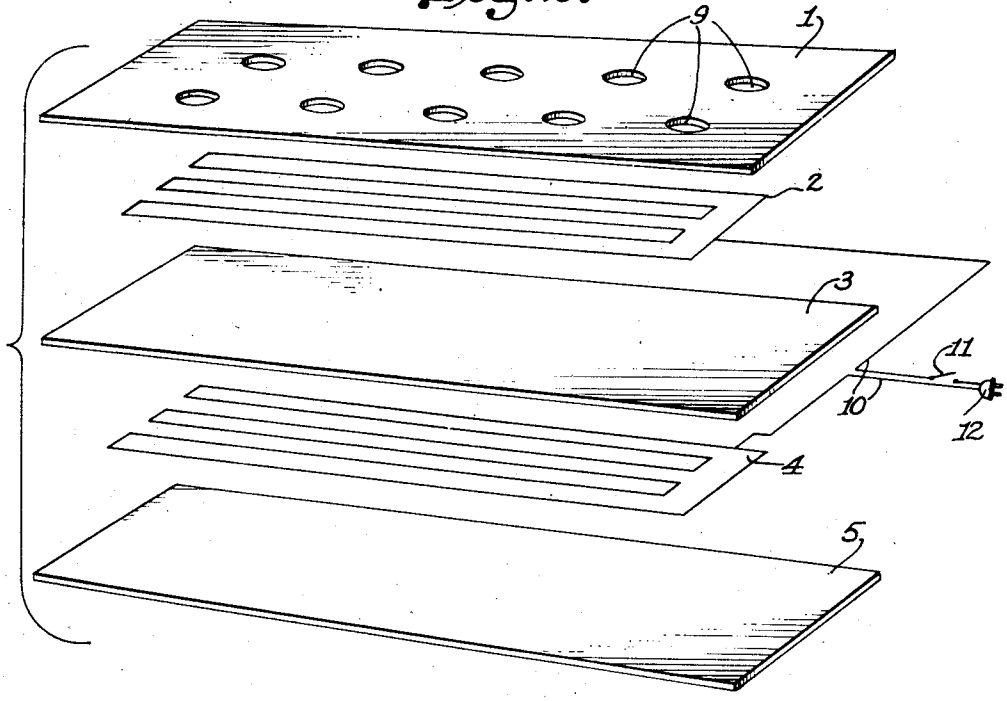
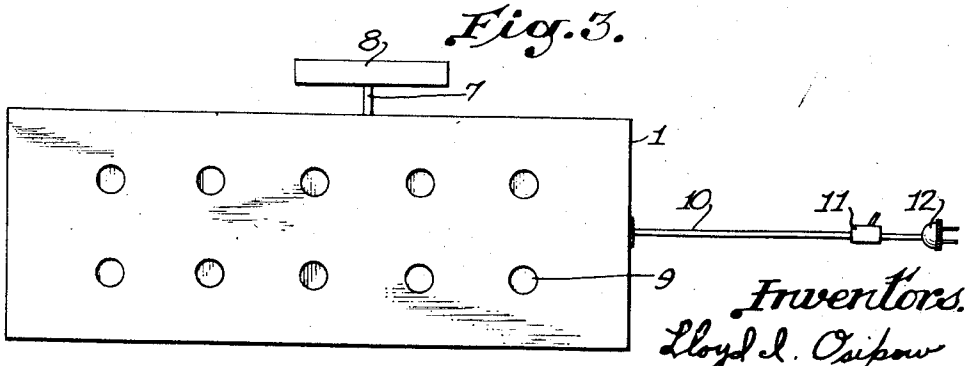


Fig. 3.



Inventors.
Lloyd I. Osipow
Eugene Blumenthal

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ELECTROLYTIC STEAM PAD FOR IRONING BOARDS

Lloyd I. Osipow, Brooklyn, and Eugene Blumenthal, New York, N. Y., assignors to Technical Products Company, Hudson County, N. Y.

Application November 3, 1944, Serial No. 561,656

2 Claims. (Cl. 219—19)

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The object of the invention is the production of an inexpensive steam pad which will fit under the covering of an ironing board and which will provide the housewife with a simple, practical device for steaming garments while ironing. The device consists of an electrically heated asbestos pad and a receptacle for water attached to the pad.

One form of the invention is illustrated in the accompanying drawing, in which Figure 1 is a lateral cross section of the device; in Figure 2 appear the separate sheets which make up the pad; and Figure 3 is a top view of the assembly.

Sections numbered 1, 3 and 5 are sheets of asbestos cloth or fibre board. Numbers 2 and 4 are strips of metal foil attached to sheet number 3. From the receptacle 8, water is fed to the pad through 7 and 6. Number 6 is a metal strip around the edges of the pad. It is securely attached to the top and bottom of the pad near the edge, but separated from the edge itself by a small space. This space is filled with water from receptacle 8 while the pad is in operation. Openings 9 in sheet 1 permit the steam to escape from the pad. In Figure 3, numbers 10, 11 and 12 are, respectively, an electric cord attached to the metal foils 2 and 4, a switch, and a plug.

Sheet 3 is soaked in an aqueous solution of table salt and dried before assembling. The entire bottom of the pad is covered with a water repellant material. In use, the pad fits under the cover of an ironing board, and the receptacle, containing water, appears on one side. The receptacle feeds water to the pad through hydraulic pressure. Steam is produced by the flow of electrical current through the water in the asbestos pad between the two metal foils.

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We claim:

1. A steam producing pad for use under the top layer of fabric of an ironing board, comprising three superimposed liquid absorbent pads separated by metallic electrodes, electric conductors connected to the electrodes for supplying house current thereto, a water receptacle adjacent the absorbent pads, and means to conduct water from the receptacle to the absorbent pads, whereby when current is passed through the electrodes, steam is generated to penetrate the said ironing board fabric layer.

2. A steam producing pad for use under the top layer of fabric of an ironing board, comprising three superimposed liquid absorbent pads separated by metallic electrodes, electric conductors connected to the electrodes for supplying house current thereto, a water receptacle adjacent the absorbent pads, and means to conduct water from the receptacle to the absorbent pads, the uppermost of said pads being provided with perforations, whereby when current is passed through the electrodes, steam is generated to penetrate the said ironing board fabric layer.

LLOYD I. OSIPOW.
EUGENE BLUMENTHAL.

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