J. P. NIKONOW.

ELECTRIC SADIRON.

APPLICATION FILED AUG. 6, 1919.

1,342,864. Patented June 8, 1920.

Fig. 1

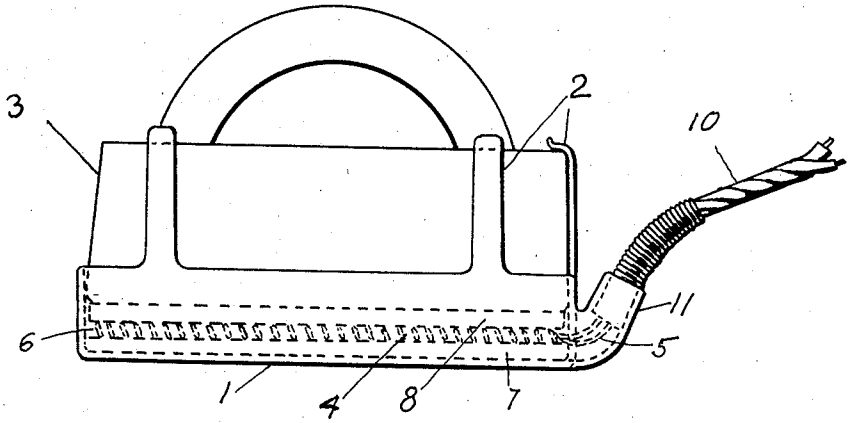


Fig. 2

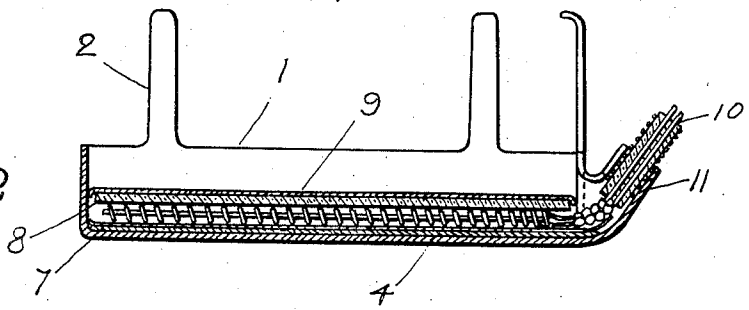
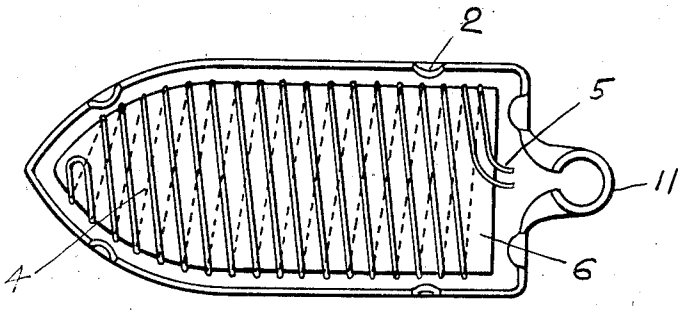


Fig. 3



WITNESS:

N. Belinski

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JOHN P. NIKONOW, OF NEW YORK, N. Y.

ELECTRIC SADIRON.

1,342,864. Specification of Letters Patent. Patented June 8, 1920.

Application filed August 6, 1919. Serial No. 315,732.

To all whom it may concern:

Be it known that I, JOHN P. NIKONOW, citizen of Russia, and resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Electric Sadirons, of which the following is a specification.

My invention relates to the electric sad irons and has for its object to provide an electric heating attachment to any ordinary sad iron.

Heretofore the electric sad irons had heating elements embedded inside of them, so that these sad irons could not be heated by the gas fire or on the stove as conveniently as ordinary sad irons, in case, electricity is not available, while with my arrangement I can use any ordinary sad iron and heat it by electricity, if so desired.

My invention is further explained in the accompanying specification and drawing, in which—

Figure 1— is a side elevation of my device in connection with an ordinary sad iron, Fig. 2— is a cross section through my heating attachment, and Fig. 3— is a plan view of the heating element inside of the metal case.

My invention consists of a metal case 1, formed with resilient lugs 2, which serve to hold the sad iron 3, when it is inserted in the case. Inside of the case 1 on the bottom is placed a heating element 4, consisting of a resistance wire 5, wound around an insulating plate 6. This heating element is placed between the insulating plates 7 and 8, and is protected on top with a metal plate 9. The wires are connected with the conductor 10, the end of which is supported in the extension 11.

The bottom surface of the case 1 is polished and represents a working surface of the said iron, absorbing heat from the wire 5. The sad iron itself is used only for weight and must not be heated. In order to save most of the heat for the working surface, the insulation must be of a sufficient thickness and must not readily conduct the heat. The resilient clamping lugs 2 are made in such a form, as shown, that they can support the case in an inverted position, when the case is used, as a small electric stove, without sad iron.

Important advantages of my sad iron are, that it can be used with any ordinary sad iron, converting same into an electrically heated device, and that it is more economical, the heat being prevented from waste through the body of the sad iron, also that it takes very little time to heat the working surface.

I claim as my invention:

1. In an electric sad iron, the combination with a case, electric heating device inside of said case adapted to heat the outside surface of the case, and clamping means adapted to attach said case to an ordinary sad iron, said clamping means being in the form of extended lugs on the case suitable for supporting said case in an inverted position, when used without sad iron.

2. In an electric sad iron, the combination with a case, electric heating device inside of said case adapted to heat the outside surface of said case, and resilient extended lugs on said case adapted to detachably connect said case with an ordinary sad iron.

3. In an electric sad iron, the combination with a case, electric heating device inside of said case adapted to heat the outside surface of said case, resilient extended lugs on said case adapted to detachably connect said case with an ordinary sad iron, and a layer of a heat insulating material interposed between said heating device and said ordinary sad iron.

4. In an electric sad iron, the combination with a case, electric heating device inside of said case, and resilient extended lugs on said case adapted to detachably connect said case with an ordinary sad iron, or to support said case in an inverted position, when used without sad iron.

Signed at New York in the county of New York and State of New York this 31st day of July A. D. 1919.

JOHN P. NIKONOW.