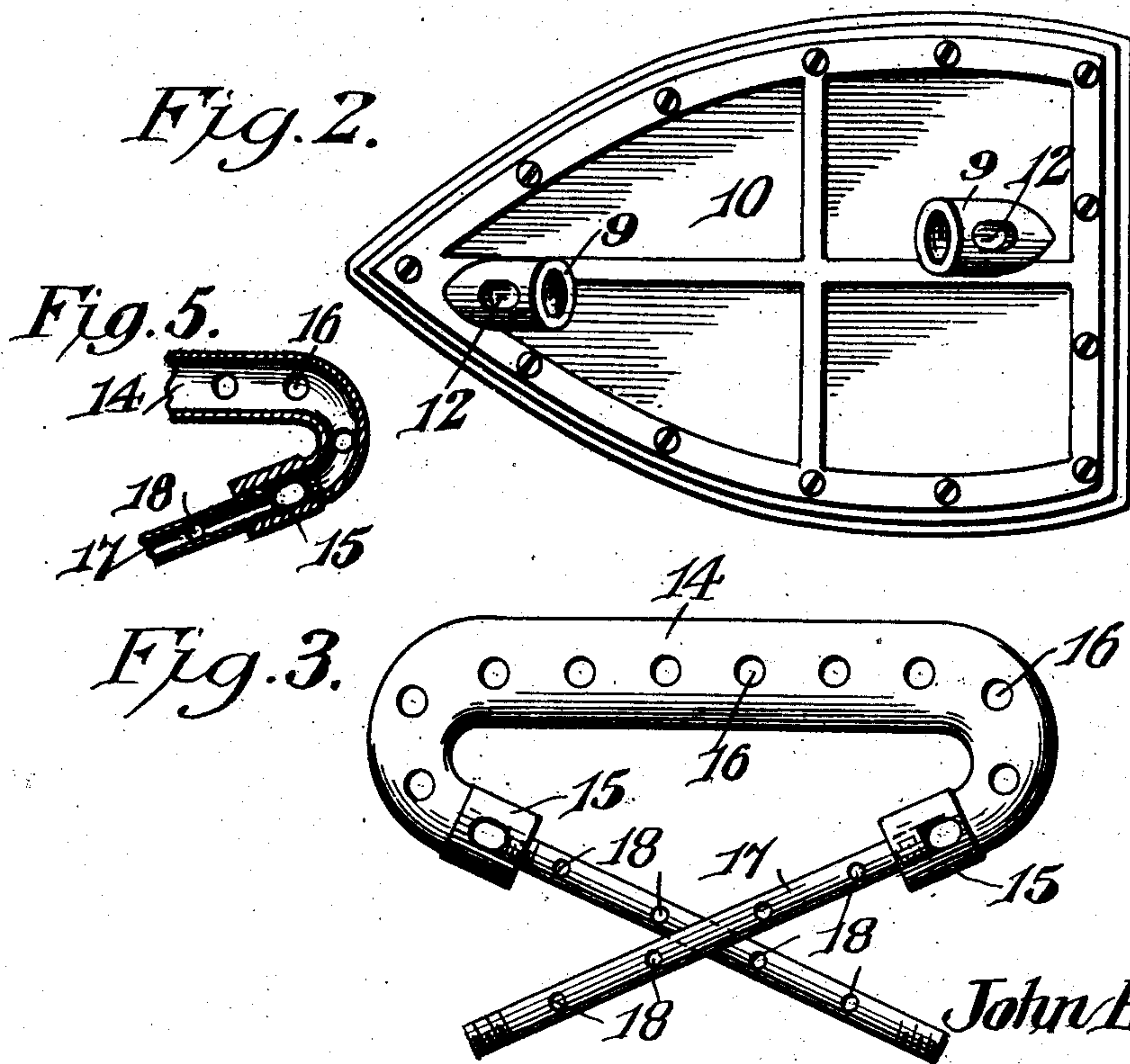
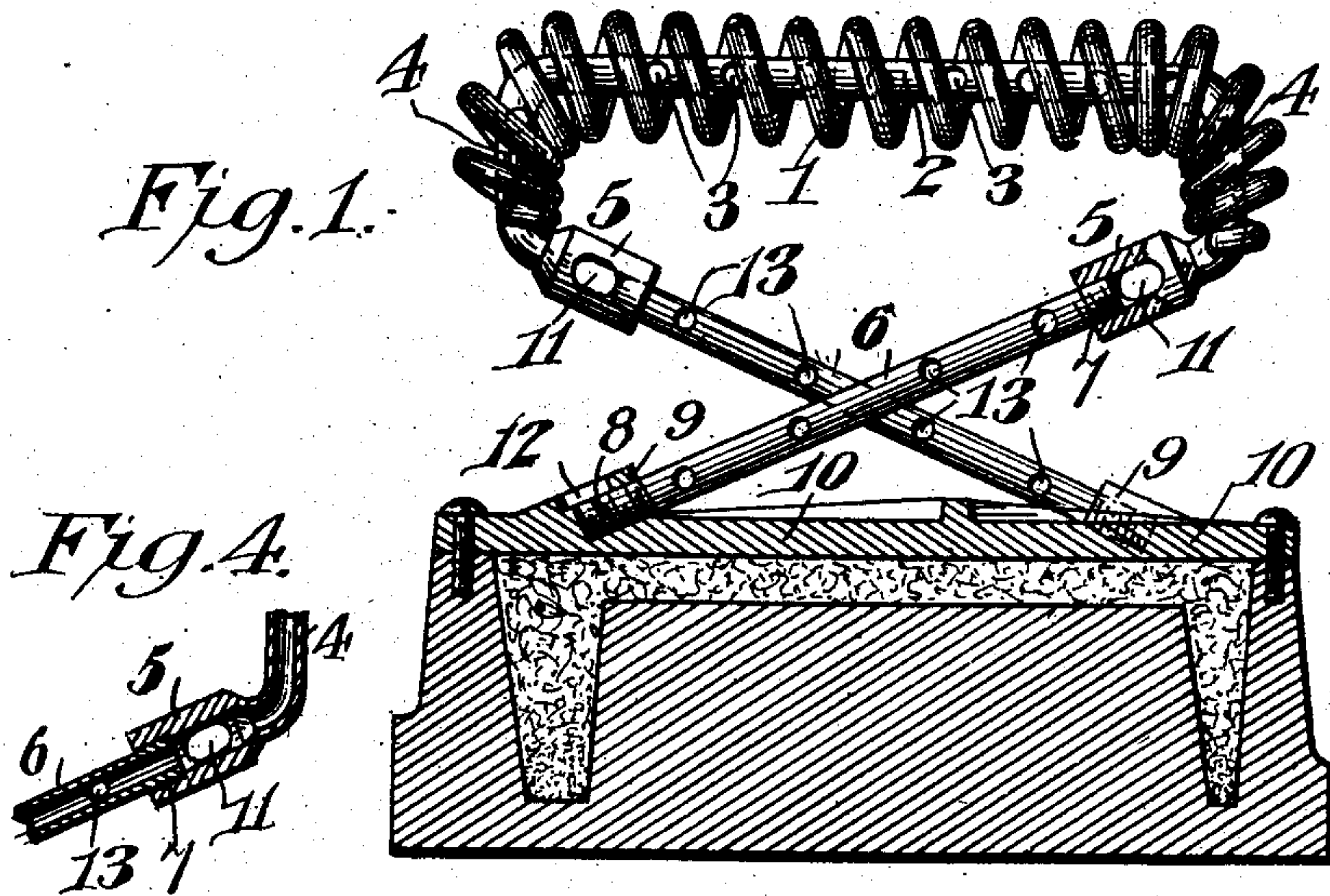


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SAD IRON HANDLE.  
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973,998.

Patented Oct. 25, 1910.



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# UNITED STATES PATENT OFFICE.

JOHN HAMILTON THROOP, OF EVANSVILLE, INDIANA.

## SAD-IRON HANDLE.

973,998.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed August 9, 1909. Serial No. 511,927.

*To all whom it may concern:*

Be it known that I, JOHN HAMILTON THROOP, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented a new and useful Sad-Iron Handle, of which the following is a specification.

The invention relates to improvements in sad iron handles.

The object of the present invention is to improve the construction of sad iron handles, and to provide a simple, inexpensive and efficient one, which will be much cooler and less liable to become heated and which will cool quickly.

A further object of the invention is to provide a resilient sad iron handle, adapted to increase the ease with which a sad iron may be handled, and capable of affording a clear view in advance and in rear of the sad iron in order to obviate the necessity of bending the neck and shoulders for this purpose.

With these and other objects in view, the invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claim hereto appended; it being understood that various changes in the form, proportion, size and minor details of construction, within the scope of the claim, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawing:—Figure 1 is a longitudinal sectional view of a sad iron provided with a handle, constructed in accordance with this invention. Fig. 2 is a plan view of the sad iron body, illustrating the arrangement of the inclined handle-receiving sockets. Fig. 3 is a side elevation of a sad iron handle, illustrating a simpler form of the invention. Fig. 4 is a detail sectional view of the handle shown in Fig. 1. Fig. 5 is a similar view of the handle shown in Fig. 3.

Like numerals of reference designate corresponding parts in all the figures of the drawing.

In the embodiment of the invention illustrated in Fig. 1 of the drawing, the sad iron handle is equipped with a spirally wound wire 1, extending around a central tubular member 2, provided at intervals with transverse openings 3 and having

downwardly extended terminal portions 4, carrying front and rear inclined sockets 5. The spirally coiled wire, which extends from one end of the central tubular member 2 to the other, provides a resilient handle and spaces the handle-receiving portion from the central body portion, thereby permitting a circulation of air around the wires to produce a cool iron. The perforated tubular central member 2, which is horizontally arranged, also permits a circulation of air through it, and thereby prevents or reduces the conduction of heat from one portion of the handle to another. This will prevent the handle from heating rapidly and the access of air to the interior of the handle will cause the same to cool quickly.

The handle is connected with the body of the sad iron by oppositely inclined tubular supporting members 6, crossing each other at or near the center and having upper and lower threaded terminals 7 and 8. The upper terminals 7 screw into the sockets 5, which are interiorly threaded, and the lower ends 8 are arranged in threaded front and rear sockets 9, preferably formed integral with a top plate 10 of the body of the sad iron and arranged at an inclination. The sockets 5 and 9 are provided with openings 11 and 12, and the inclined crossed supporting members 6 are perforated at intervals to form transverse openings 13 to admit air to the interior of the supporting members and to prevent or reduce the conduction of heat from one portion of the supporting members to another. Also the particular arrangement of the crossed supporting members permits a clear view at both the back and front of the sad iron, and avoids bending the neck and shoulders in order to view the garment or other fabric operated on. Also the handle extends beyond the lower inclined sockets 9, and thereby secures sufficient leverage to enable the sad iron to be easily handled.

In the embodiment of the invention illustrated in Fig. 3, the spiral wire shown in Fig. 1 is omitted, and the perforated tubular member is enlarged to form a tubular grip or handle 14, which has downwardly extended terminal portions provided with inclined sockets 15. The tubular member 14 is provided at intervals with openings 16, and the sockets 15 are interiorly threaded to receive the upper ends of the crossed in-

clined tubular supporting members 17, having threaded terminals and provided at intervals with openings 18 similar to the crossed members 6, heretofore described.

5 The inclined supporting members 17, which connect the handle to the bottom of the sad iron, are adapted to screw into the inclined sockets 9.

10 Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

15 The combination with a sad iron body provided at the top with oppositely inclined front and rear sockets, of a horizontal tubular handle member provided at intervals with openings and having downwardly and

inwardly extended terminals provided with inclined front and rear sockets, and crossed inclined tubular supporting members provided at intervals with openings and having 20 their terminals secured in the said sockets and connecting the handle with the sad iron body, said supporting members leaving open spaces between the tubular handle and the sad iron body at the front and back thereof. 25

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOHN HAMILTON THROOP.

Witnesses:

JNO. S. THROOP,

GEO. S. THROOP.