

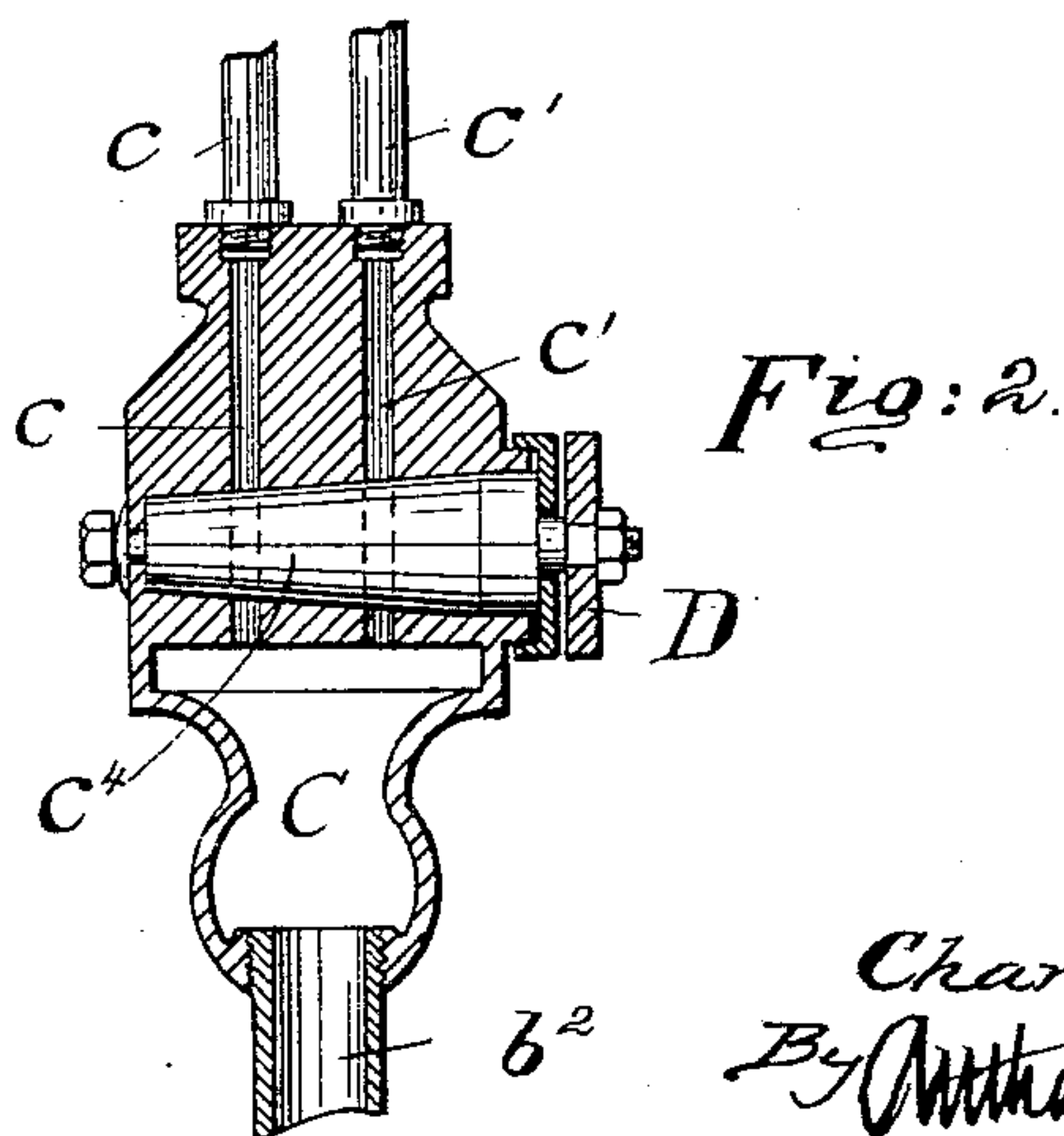
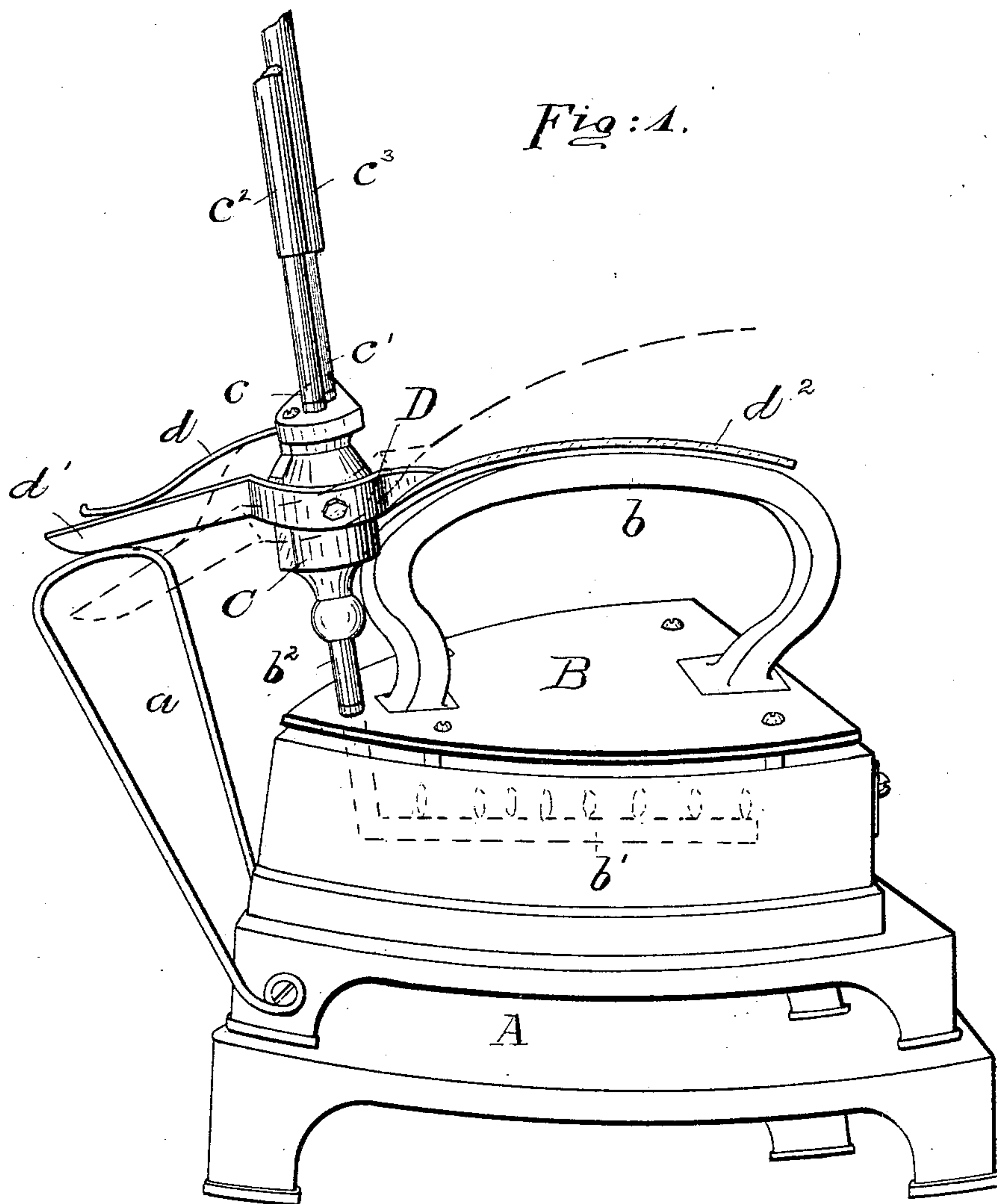
No. 630,980.

Patented Aug. 15, 1899.

C. W. IDEN.  
TAILOR'S IRON.

(Application filed Feb. 9, 1899.)

(No Model.)



WITNESSES.

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# UNITED STATES PATENT OFFICE.

CHARLES W. IDEN, OF NEW YORK, N. Y.

## TAILOR'S IRON.

SPECIFICATION forming part of Letters Patent No. 630,980, dated August 15, 1899.

Application filed February 9, 1899. Serial No. 705,056. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES W. IDEN, residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Tailors' Irons, of which the following is a specification.

My invention relates to tailors' irons, and has for its object to automatically shut off the air and gas supply from the burner within the iron when the iron is placed upon a support other than the usual rest provided for it.

I will describe a tailor's iron embodying my invention and then point out the novel features thereof in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a tailor's iron having my invention applied thereto. Fig. 2 is a detail sectional view.

Similar letters of reference refer to corresponding parts in both figures.

A represents the usual rest for the tailor's iron, and *a* a bail or projection extending upwardly from the rest at the front end thereof.

B represents a tailor's iron, and *b* the handle thereof.

*b'* represents a burner of the usual construction within the body of the iron, and *b<sup>2</sup>* a pipe leading to said burner. Connected with this pipe is a mixing-chamber C for air and gas, and *c c'* represent passages leading to said mixing-chamber from the air and gas supply *c<sup>2</sup> c<sup>3</sup>*, respectively.

*c<sup>4</sup>* represents a valve for opening and closing the passages *c c'* of the air and gas supply.

The parts hereinabove described are of the usual construction, and hence further detailed description thereof is not necessary.

D represents a lever the movement of which controls the operation of the valve *c<sup>4</sup>*. The lever is provided with an extension *d'*, which is adapted to engage with the projection or bail *a* of the iron-rest when the iron is on the rest, and with an extension *d<sup>2</sup>*, which is adjacent the handle.

*d* represents a spring, one end of which is secured to the casing of the valve *c<sup>4</sup>*, while its other end bears upon the extension *d'*. The purpose of this spring is to force the lever and its extension into the position shown by dotted lines, in which position the air and gas supply is shut off from the mixing-chamber,

and consequently the burner. When the iron is grasped, the extension *d<sup>2</sup>* is moved to the position shown in full lines in Fig. 1 to open the air and gas supply to the burner, so that the iron may be heated. While the iron is in use, the lever is held in this position, so that the supply will be continuous to the burner. Should the iron be set down on any support other than the rest provided for it, the spring *d* will force the lever and its extensions into the position shown by dotted lines in Fig 1, and thus shut off the supply to the burner.

Ordinarily the iron should be placed upon the rest A, and when this is done the extension *d<sup>2</sup>* will be held from any movement that may be caused by the spring *d*, and thus prevent the valve from shutting off the supply of air and gas to the burner.

What I claim as my invention is—

1. In a tailor's iron, the combination of the iron-body, a burner for heating the body, a gas-supply for said burner, a valve for controlling the same, means for moving said valve to cut off the gas-supply, which means are adapted to operate when the iron is placed upon a support other than the usual rest, and the rest which when the iron is placed thereon prevents the means for operating to move the valve to cut off the gas-supply.

2. In an iron, the combination of the iron-body, a burner for heating the same, a gas-supply for said burner, a valve for controlling said gas-supply, means for keeping said valve in closed position when the iron is not on its rest to completely cut off the gas-supply, said means adapted to be operated by the hand in grasping the iron-handle to open the valve when the iron is to be used.

3. In an iron, the combination of the iron-body, a burner for heating the same, a gas-supply for said burner, a valve for controlling said gas-supply, a lever connected with said valve and actuated by a spring to keep said valve in closed position when the iron is not on its rest, said lever being adapted to be moved to open the valve when the iron is to be used.

4. In a tailor's iron, the combination of the iron-body, a handle for said body, a burner within the body, an air and gas supply for the burner, a valve for controlling said air and gas supply, and a lever connected with



said valve held in such position as to have the valve in closed position when the iron is not on its rest, said lever having an extension adjacent the iron-handle, which is moved in the act of grasping the iron-handle.

5 5. In a tailor's iron, the combination of the iron-body, a rest for said body that is provided with a projection, a burner within said body, an air and gas supply therefor, a valve  
10 for controlling said air and gas supply, a lever connected with said valve, and an extension on said lever adapted to engage with the projection on the rest for keeping the valve in open position.

15 6. In a tailor's iron the combination of the

iron-body, a burner for heating the body, a gas-supply for said burner, a valve for controlling the same, and means for positively moving the said valve to cut off the gas-supply, which means are adapted to operate when the iron is placed upon a support other than the usual rest.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES W. IDEN.

Witnesses:

S. H. DILLONT,  
H. COUTANT.