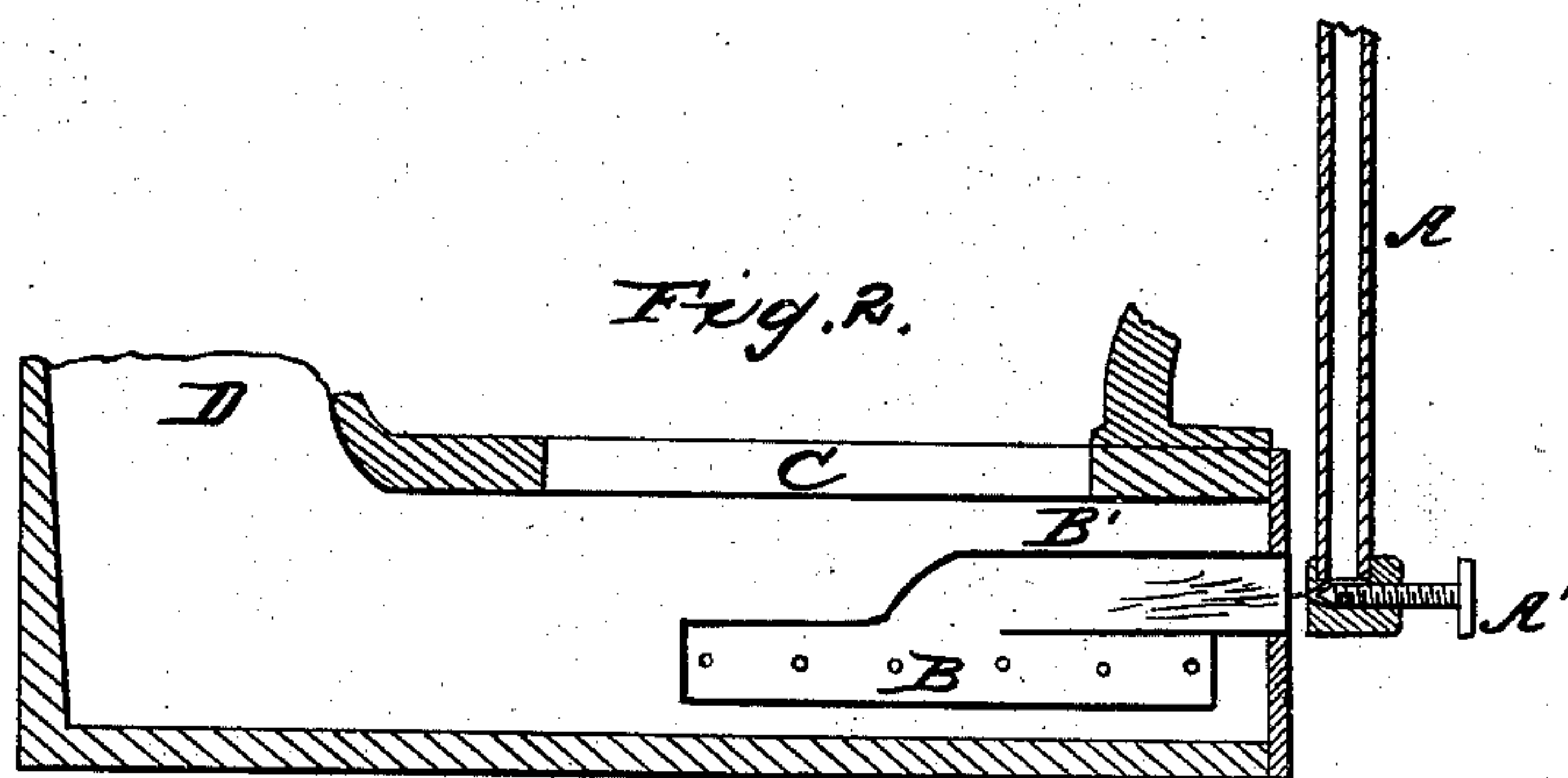
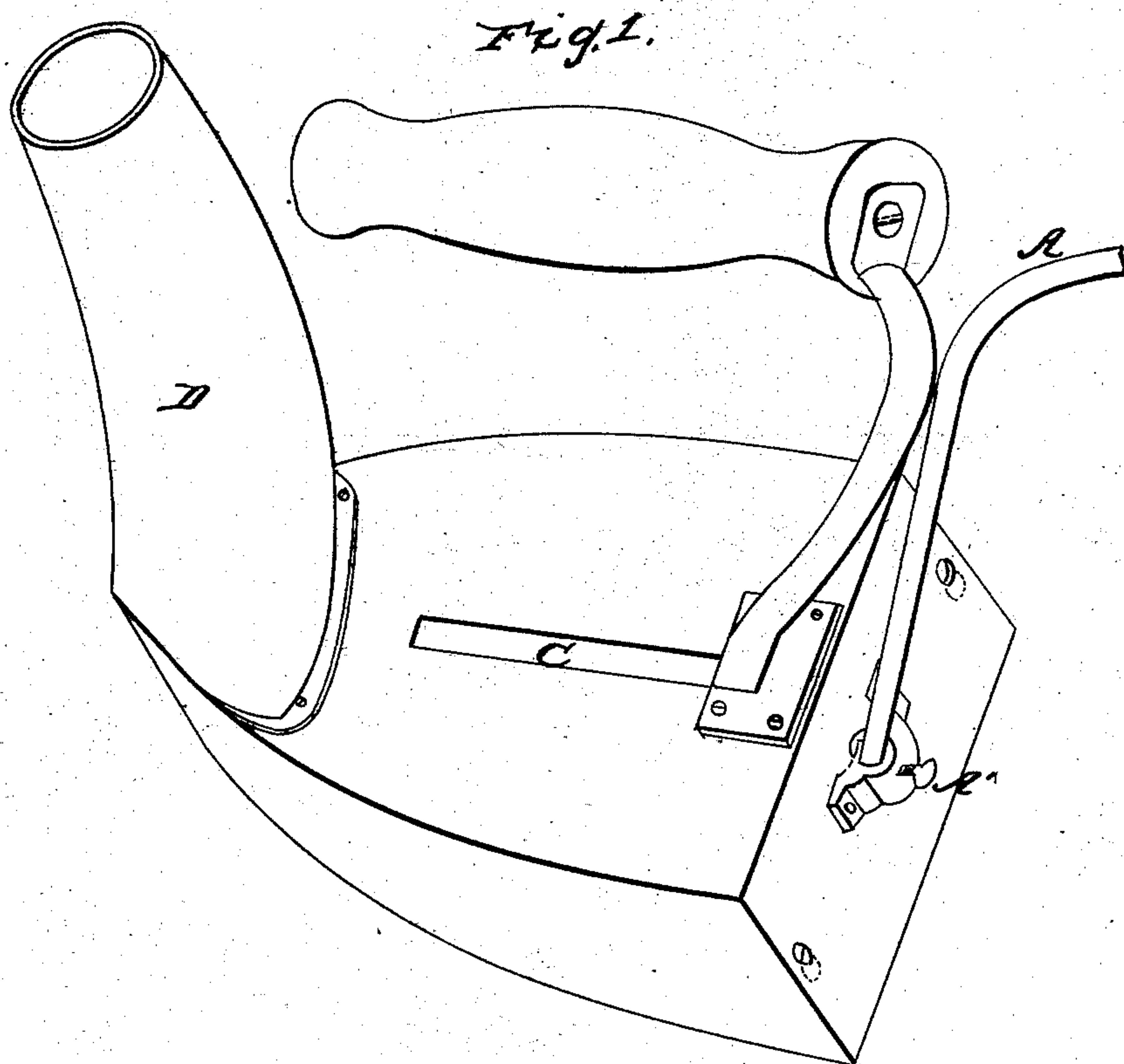


H. W. DOPP,
Sad Iron Heater.

No. 48,380.

Patented June 27, 1865.



Witnesses:
J. Parayth
J. E. Carroll

Inventor:
H. W. Dopp.

UNITED STATES PATENT OFFICE.

H. W. DOPP, OF BUFFALO, NEW YORK.

SAD-IRON HEATER.

Specification forming part of Letters Patent No. 48,380, dated June 27, 1865.

To all whom it may concern:

Be it known that I, H. W. DOPP, of Buffalo, in the county of Erie, State of New York, have invented a new and Improved Mode of Heating Smoothing-Irons by means of Carbureted-Hydrogen Gas; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure I is a perspective view of the model. Fig. II is a sectional cut through the center.

Letter A is supply-tube.

Letter A' is a small thumb screw pointed on the end, which point passes in through a small orifice, through which orifice the gas makes its exit. This screw is intended to regulate the production of heat.

Letter B is the gas-burner.

Letter B' is the commingling tube of burner B. The gas escaping from the orifice of A' makes its passage through tube B' into burner B, and thereby becomes sufficiently mingled with the atmosphere before combustion takes place.

Letter C is an opening of the shape of a slot on the top of the smoothing-iron, immediately above the burner, through which the atmos-

here necessary to sustain combustion passes. The object of having the air admitted from above the burner is to deflect the flame toward the bottom of the smoothing-iron.

Letter D is a chimney to carry off the gases of combustion.

To operate this apparatus a connection is to be made between supply-tube A and an ordinary illuminating-gas burner, by means of a rubber tube; then screw back the small thumb-screw A', turn on the gas, and ignite the same now escaping out of the holes of burner B. In about ten minutes the smoothing-iron will be hot and ready for use, and constant heat continued.

I claim—

1. The aero-gas burner B and B', as constructed, and for the purpose described.

2. The regulating-screw A', in combination with commingling-tube B', substantially as and for the purpose described.

3. The slot, or its equivalent, in the upper part of said iron, for the purpose set forth.

H. WM. DOPP.

Witnesses:

I. FORSYTH,
J. E. PROVOST.