

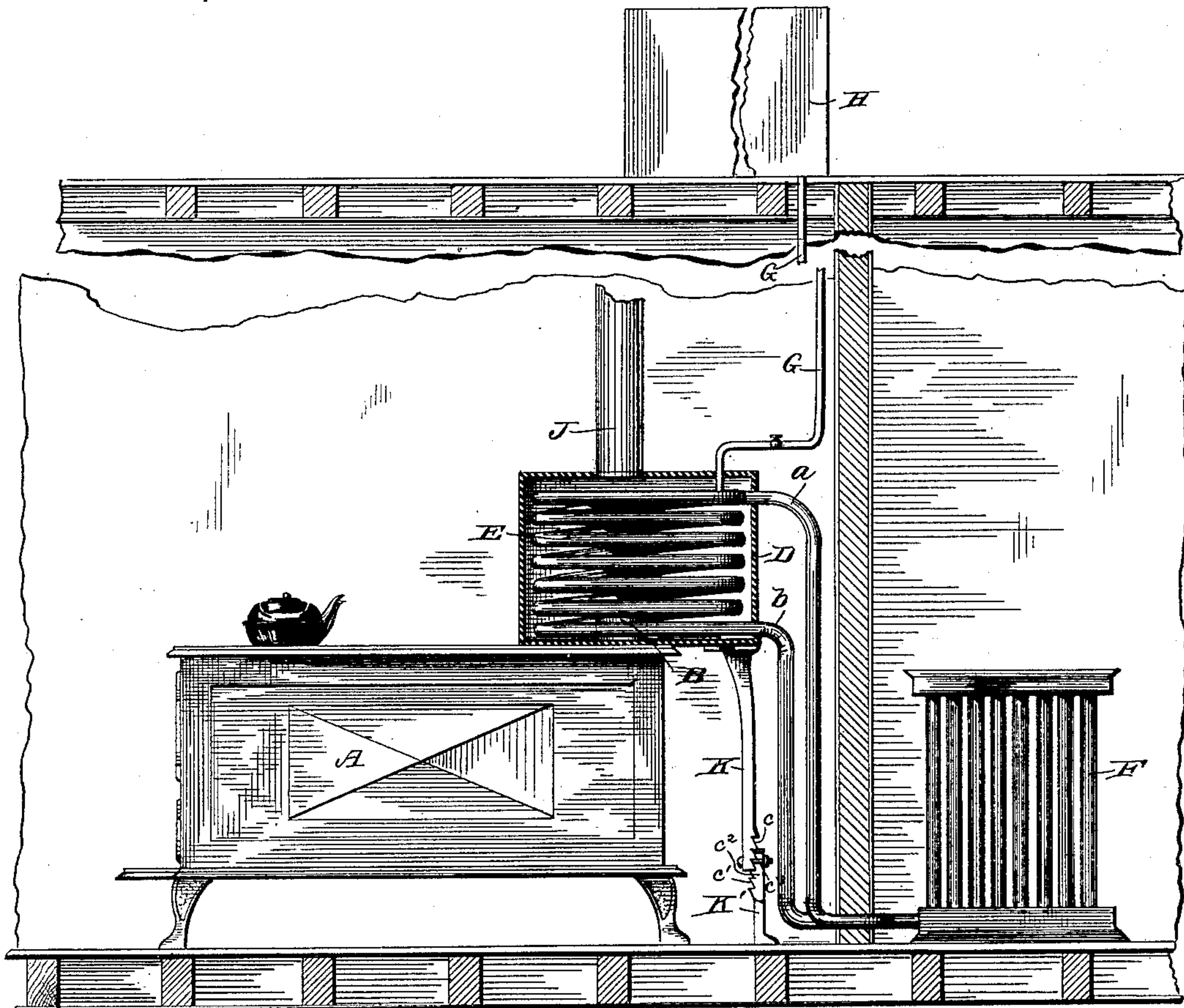
(No Model.)

S. W. MORGAN.

HEATER.

No. 353,422.

Patented Nov. 30, 1886.



Witnesses

A. G. Conner, Jr.
A. H. Cragin

Inventor

Schuyler W. Morgan

By *his Attorneys*

Cragin & Shuerton

UNITED STATES PATENT OFFICE.

SCHUYLER W. MORGAN, OF EAST CONCORD, NEW HAMPSHIRE.

HEATER.

SPECIFICATION forming part of Letters Patent No. 353,422, dated November 30, 1886.

Application filed April 22, 1886. Serial No. 199,825. (No model.)

To all whom it may concern:

Be it known that I, SCHUYLER W. MORGAN, a citizen of the United States, residing at East Concord, in the county of Merrimac and State of New Hampshire, have invented certain new and useful Improvements in Heaters, of which the following is a specification.

The object of my invention is to provide simple means in connection with an ordinary stove for utilizing the heat which usually passes up the smoke-pipe for warming an adjoining room.

My invention consists of details of construction described below, and pointed out in the claim.

The drawing is a side elevation, partly in section.

Like letters refer to like parts.

A represents an ordinary stove, whether for cooking or heating, provided with the usual pipe-collar, B. Upon the end of the stove and over said collar is placed a metal box or heat-chamber, D, which contains a pipe-coil, E, surrounding the pipe-socket, and extending nearly to the top of the box. From the coil circulating-pipes *a b* connect with a heater, F, located in an adjoining room, which heater will require no description. In order to keep the pipe-coil properly filled with water, a pipe, G, is passed between it and a stand-pipe or cistern, H, located higher up than the house, as desired. Where there is no water-main supply, this cistern may be filled as occasion requires; but where there is it will always be full. The

smoke-pipe J does not pass within the coils, but leads from the top of the box D, and may enter a chimney in the ordinary way. In order to adjustably support the box D on stoves of different heights, a two-part leg or brace, K K', extends from the bottom of the box to the floor. The meeting ends of the brace are notched at *c c'*, and the lengthening or shortening may be made by means of a slot, *c²*, in part K' and the screw-bolt *c³*.

It will be seen that the heat which usually passes off by the smoke-pipe will first enter the box and soon intensely heat the water in the pipe-coil, and as the water circulates between it and the heater the latter will assume nearly the same degree of heat as the former and amply warm the adjacent room.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the pipe-collar of a stove, of a surrounding box having a smoke-pipe leading from the top thereof, a pipe-coil within said box connected by circulating-pipes with a heater in an adjoining room, the said heater, and a cistern located above the pipe-coil for supplying the latter with water, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

SCHUYLER W. MORGAN.

Witnesses:

J. B. THURSTON,

NATHANIEL E. MARTIN.