

**The "Stuart" stove : (Colonel Stuart-Wortley's patent) : medal awarded at International Health Exhibition, London, 1884.**

**Contributors**

Stuart Wortley, Henry, 1832-1890.  
Steven's Auction Rooms.

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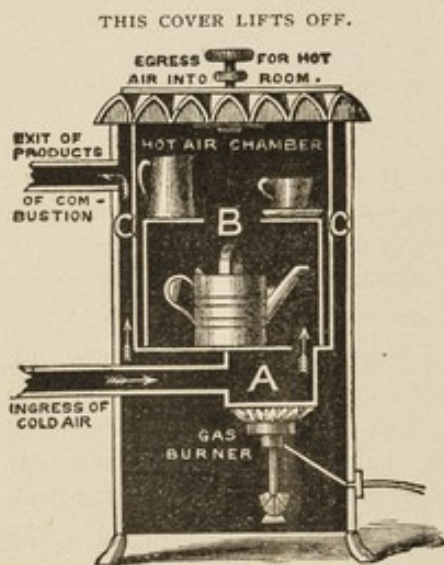
Wellcome Collection  
183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
E [library@wellcomecollection.org](mailto:library@wellcomecollection.org)  
<https://wellcomecollection.org>

# THE "STUART" STOVE.

(COLONEL STUART-WORTLEY'S PATENT.)

Medal Awarded at International Health Exhibition, London, 1884.

*For Bed and Dressing Rooms, Studios, Waiting and Dark Rooms, Entrance Halls, Sick Rooms, Nurseries, Greenhouses, and all places requiring to be well and cheaply warmed.*



Section of Stove showing interior.

N.B.—The skin through which the products of combustion go away, is quite closed all round the top.

CONSTANT BRINGING OF FRESH AIR INTO THE ROOM.

CONSTANT DRAWING OF FOUL AIR OUT OF THE ROOM.

POWER OF KEEPING WATER, FOOD, OR OTHER ARTICLES, &c., AT ANY DESIRED HEAT IN THE INNER CHAMBER.

NO POSSIBLE ESCAPE OF ANY OF THE PRODUCTS OF COMBUSTION INTO THE ROOM.

THE GREATEST ECONOMY POSSIBLE IN WORKING.

THE STUART STOVE has advantages over any other.

Its principle is to draw from outside a constant stream of fresh air, into a small box A, from which there is no outlet, except into the large storage chamber B. This latter chamber is therefore full of the pure air drawn from outside (see "Ingress of cold air" on section above), heated by the gas or oil burner in its passage through the small box A. In this inner chamber, water, or food for invalids or young children, fluid gelatine, &c., can always be kept at any desired degree of warmth, and the hot air passing into the room through a valve in the cover warms the room effectually.



Gelatine for photographic plates can be kept hot, and plates dried in a perfect way in this stove.

The products of combustion all pass away into the double skin of the stove, C. C., and are discharged into a chimney, or, if preferred, into the open air.

Perfect ventilation is secured by the bottom of the stove being open. The foul air of the room is drawn into the stove, and is taken away through the skin with the products of combustion.

When the stove is not alight, a constant stream of fresh air is being drawn into the room.

The following, copied from the record of tests carried out, are examples of its work:—

A. With an outside temperature of 35 deg. Fah., in fifteen minutes after lighting the gas, a small size Stove was delivering into a room containing 4680 cubic feet, 205 cubic feet per minute of fresh air, heated to a temperature of 104 deg. Fah., and keeping the room at a temperature of 48 deg. Fah. The expenditure of gas was only 5ft. per hour.

C. A small sized Stove used to keep frost out of a conservatory with sides, front and roof of glass, and containing 4200 cubic feet, maintained a *minimum* temperature of 34.5 deg. Fah., in the conservatory, while the thermometer outside fell to 23 deg. Fah., 6ft. of gas per hour only being consumed. More gas being used would have produced greater heat.

Perfect ventilation is secured, as the fresh outside air is drawn in and heated all the time.

One very important advantage of the Stove is, that it is made with an inner chamber kept constantly full of pure hot air, in which food, water, &c., required in a sick room, nursery, &c., or gelatine for the preparation of dry plates, can be kept heated to any desired temperature, and the room kept warm as well. With the gas turned low the Stove will work for a whole night at a very small cost.

Colonel Stuart-Wortley has had five such stoves in constant use in his house and greenhouse for the past three years.



A SELECTION OF THE ABOVE STOVES

WILL BE SOLD AT

STEVEN'S AUCTION ROOMS,

38, King Street, Covent Garden,

On NOVEMBER 30th.

THE PATENT WILL ALSO BE OFFERED FOR SALE.