

## **Specification of William Patch Wyatt : baths.**

### **Contributors**

Wyatt, William Patch.

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A.D. 1874, 22nd APRIL. N<sup>o</sup> 1406.

SPECIFICATION

OF

WILLIAM PATCH WYATT.

BATHS.

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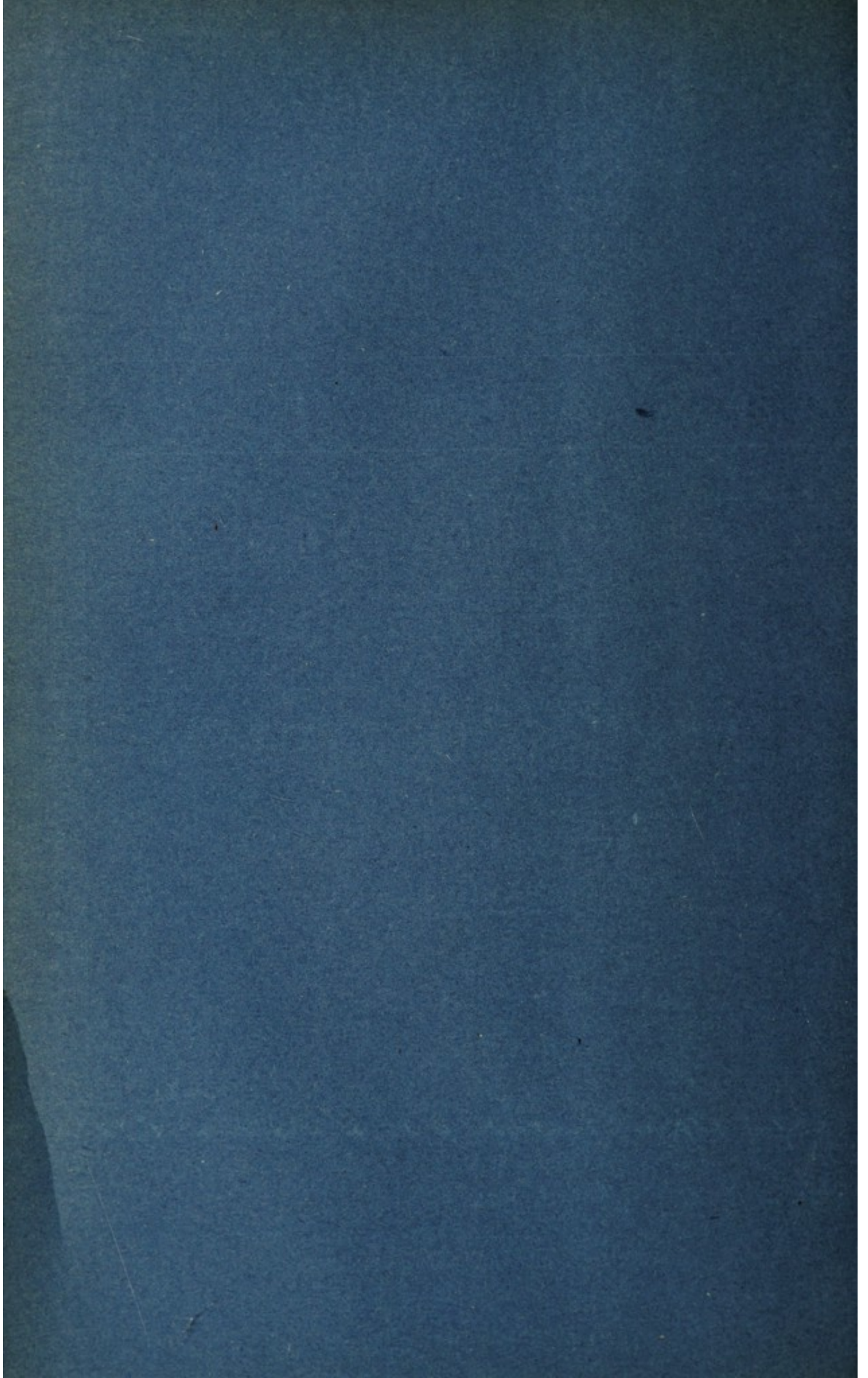
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A.D. 1874, 22nd APRIL. N° 1406.

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**Baths.**

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**LETTERS PATENT** to William Patch Wyatt, of Percy Square, Clerkenwell, in the County of Middlesex, for the Invention of "IMPROVEMENTS IN PORTABLE AND OTHER HOT AIR, VAPOUR, SHOWER, AND MEDICATED BATHS, AND BATH APPARATUS FOR CURATIVE AND OTHER PURPOSES."

Scaled the 16th October 1874, and dated the 22nd April 1874.

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**PROVISIONAL SPECIFICATION** left by the said William Patch Wyatt at the Office of the Commissioners of Patents, with his Petition, on the 22nd April 1874.

I, WILLIAM PATCH WYATT, of Percy Square, Clerkenwell, in the  
5 County of Middlesex, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN PORTABLE AND OTHER HOT AIR, VAPOUR, SHOWER, AND MEDICATED BATHS, AND BATH APPARATUS FOR CURATIVE AND OTHER PURPOSES," to be as follows:—

This Invention relates to improvements in hot air, vapour, shower, and  
10 medicated bath and bath apparatus of the character described in the



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Specification of Letters Patent granted to David Jones and the said William Patch Wyatt, dated the 23rd October 1872, No. 3128, and an important feature of my present improvements consists in supplying the interior of baths with pure heated air in place of burnt or vitiated air as heretofore. 5

Also in improved arrangements of the heating and shower bath apparatus and surface upon which the patient or user of the bath is supported.

For the purpose of supplying the interior of the bath with pure heated air in accordance with my improvements (in place of burnt air 10 or the fumes of gas) a tubular chamber, by preference made of terra cotta, is arranged at the foot of the bath, having air passages communicating with the external atmosphere and the interior of the bath. The chamber is heated by a suitable furnace or by means of gas, the burnt air from which passes around the outer surface of the air supply tubes 15 and thence along a flue under the bottom of the bath, thus assisting to heat the bath as it passes to a vertical flue pipe at the head of the bath, which when desired may be arranged to pass through or around the vessel containing water for the shower bath so as to impart heat thereto. 20

In some cases where the baths are fixed or stationary I conduct the flues around the hollow sides of the bath, and away to a chimney at the end of the bath.

The reservoir for the shower bath in place of being attached to the cover of the bath, as described in the Specification above referred to, is 25 according to my present improvements placed in a more convenient position at the head of the bath, being connected with the distributing surface or tube by means of a flexible tube of india-rubber or otherwise, by which arrangement the cover of the bath can be opened when the shower bath reservoir is charged with water, which is impossible 30 with the former arrangement.

The tubes for discharging water on to the patient or user are also more conveniently arranged, the perforated rose head jets being placed at a suitable angle for discharging the water on to the face of the patient, the pull or lever being also so arranged within the bath that the user 35 can discharge or cut off the water when desired.



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*Wyatt's Improvements in Baths.*

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In place of the mattress hitherto employed in baths of this character, according to my present improvements padded laths are substituted, upon which the patient is supported, thus permitting the heated air, vapour, and water, to circulate freely over the entire surface of the  
5 body.

The support for the head of the patient is also so arranged according to my present improvements that it can be adjusted to suit the requirements of the patient or user. For some purposes I arrange baths of this character so that the patient may be placed in a sitting or  
10 recumbent position.

By supplying pure heated air to the interior of the bath a patient or user may either inhale such heated air, or if preferred, the outer atmosphere of the room in which the bath is placed, by securing the flexible waterproof apron around the neck, thereby exposing the external surface  
15 of the body only to the action of the heated air or vapour of the bath.

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**SPECIFICATION** in pursuance of the conditions of the Letters Patent, filed by the said William Patch Wyatt in the Great Seal Patent Office on the 22nd October 1874.

**TO ALL TO WHOM THESE PRESENTS SHALL COME, I, WILLIAM**  
20 **PATCH WYATT**, of Percy Square, Clerkenwell, in the County of Middlesex, send greeting.

**WHEREAS** Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twenty-second day of April, in the year of our Lord One thousand eight hundred and seventy-four, in the thirty-  
25 seventh year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said William Patch Wyatt, Her special license that I, the said William Patch Wyatt, my executors, administrators, and assigns, or such others as I, the said William Patch Wyatt, my executors, administrators, and assigns, should at any time  
30 agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make,



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use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for "IMPROVEMENTS IN PORTABLE AND OTHER HOT AIR, VAPOUR, SHOWER, AND MEDICATED BATHS, AND BATH APPARATUS FOR CURATIVE AND OTHER PURPOSES," upon the condition (amongst others) that I, the said William Patch Wyatt, 5 my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately 10 after the date of the said Letters Patent.

NOW KNOW YE, that I, the said William Patch Wyatt, do hereby declare the nature of the said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement thereof, that is to say :— 15

This Invention relates to improvements in hot air, vapour, shower, and medicated baths, and bath apparatus of the character described in the Specification of Letters Patent granted to David Jones and the said William Patch Wyatt, dated the 23rd October 1872, No. 3128, and an important feature of my present improvements consists in supplying 20 the interior of baths with pure heated air in place of burnt or vitiated air as heretofore.

Also in improved arrangements of the heating and shower bath apparatus and surface upon which the patient or user of the bath is supported. 25

And in order that my improvements may be clearly understood and readily carried into practice, I will proceed to describe the Drawings hereunto annexed which show several views of baths and bath apparatus (which may be either portable or fixed in a bath room or elsewhere) arranged and constructed in accordance with my improvements. 30

Figure 1 shows a side view, Figure 2 a longitudinal section, and Figure 3 a transverse section of a portable bath in which the user is placed in an inclined or nearly horizontal position, Figures 4 and 5



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being a vertical section and plan of a bath constructed on similar principles, the user being placed in a sitting posture.

For the purpose of supplying the interior of the bath with pure heated air in accordance with my improvements (in place of burnt air  
5 or the fumes of gas), a tubular chamber A made of terra cotta, metal, or other material is arranged at the foot of the bath, as shown, having air passages A<sup>1</sup> communicating with the external atmosphere and the interior chamber D<sup>x</sup> of the bath. The chamber D<sup>x</sup> of the bath is heated by a suitable furnace or by means of a gas burner A<sup>x</sup>, the burnt air  
10 from which passes around the outer surface of the air supply tubes A<sup>1</sup> and thence along a flue A<sup>2</sup> under the bottom of the bath, thus assisting to heat the bath as it passes to a vertical flue pipe A<sup>3</sup> at the head of the bath, which when desired may be arranged to pass through or around the vessel containing water for the shower bath B, so as to impart heat  
15 thereto.

In some cases where the baths are fixed or stationary I conduct the flues around the hollow sides of the bath and away to a chimney at the end of the bath.

The reservoir for the shower bath in place of being attached to the  
20 cover of the bath, as described in the Specification above referred to, is according to my present improvements placed in a more convenient position at the head of the bath, being connected with the distributing surface or tube by means of a flexible tube C of india-rubber or otherwise, by which arrangement the cover D of the bath can be opened when  
25 the shower bath reservoir B is charged with water, which is impossible with the former arrangement.

The tubes D<sup>1</sup> for discharging water on to the patient or user are also more conveniently arranged, the perforated rose head jets D<sup>2</sup> being placed at a suitable angle or incline for discharging the water on to the  
30 face of the patient or user; the pull or lever D<sup>3</sup> being also so arranged within the bath that the user can discharge or cut off the water when desired.

In place of the mattress hitherto employed in baths of this character, according to my present improvements padded laths E, E, are sub-  
35 stituted, upon which the patient or user is supported, thus permitting



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the heated air, vapour, and water to circulate freely over the entire surface of the body.

The support F for the head of the patient or user is also so arranged according to my present improvements that it can be adjusted to suit the requirements of the patient or user. Figure 4 shows a bath of this 5 character, arranged so that the bather may be placed in a sitting or recumbent position, showing that I do not confine myself to any particular shape or design of bath to which my improvements may be applied. In this bath the reservoir B for the shower is fitted with two valves *a*, *b*, so that the bather can be supplied with either a shower by 10 raising the valve *b*, or a spray bath by raising the valve *a*, and by removing the flexible tube C from the pipe *a*<sup>1</sup> a douche bath is produced, also by raising the valve *a*. By removing the seat E the tank E<sup>1</sup> used to receive the waste water may be used as a hip bath, and by attaching a supply pipe to the bottom of the tank it may be used as a 15 sitz bath.

I would remark that I do not confine myself to the use of gas for heating the air to the required temperature, but in the absence of it I use either mineral oil, spirits, or other means from which the requisite heat can be obtained, neither do I confine myself to any particular shape 20 of burner or heating apparatus.

By supplying pure heated air to the interior of the bath a patient, bather, or user may either inhale such heated air, or if preferred the outer atmosphere of the room in which the bath is placed by securing the flexible waterproof apron G around the neck, thereby exposing the 25 external surface of the body only to the action of the heated air or vapour of the bath.

Having thus described the nature of my improvements and the manner of performing or carrying the same into practice, I would have it understood that I do not confine myself to the exact details herein-before 30 described, so long as any or either of the aforesaid novel features or improvements are employed, but what I claim is, the improved arrangement and combination of portable and other hot air, vapour, Turkish, and medicated baths, and bath apparatus for curative and other purposes, constructed so as to be used either with or without the shower, spray, 35



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*Wyatt's Improvements in Baths.*

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douche, hip, or sitz bath, or with any or either of them as may be desired; such baths being used either with or without inhaling the heated air, substantially in the manner and for the purposes hereinbefore described and represented in the Drawings hereunto annexed.

5        In witness whereof, I, the said William Patch Wyatt, have hereunto set my hand and seal, this Twenty-first day of October, in the year of our Lord One thousand eight hundred and seventy-four.

WILLIAM PATCH WYATT. (L.S.)

10 Witness,

J. G. TONGUE,

Patent Agent,

34, Southampton Buildings,

Chancery Lane,

15

London, W.C.

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LONDON:

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Printers to the Queen's most Excellent Majesty. 1874.



Wyllie's apparatus for heating

boiling, dip or stir, or with any or either of them as may be desired; such boiler being used either with or without heating the heated air substantially in the manner and for the purpose herein before described and represented in the drawings hereto annexed.

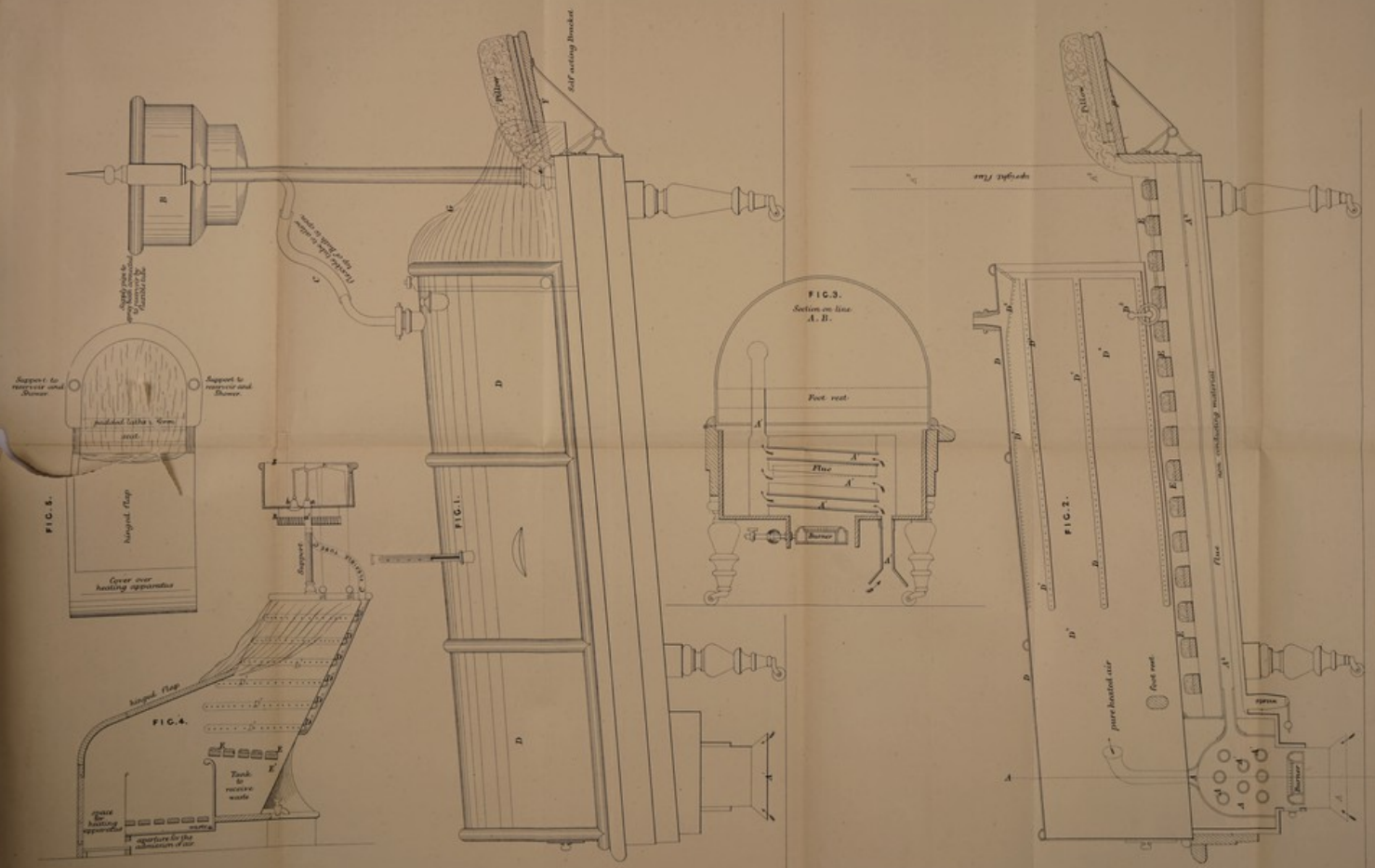
In witness whereof, I, the said William Wyllie, have hereunto set my hand and seal, this Twenty-first day of October, in the year of our Lord One thousand eight hundred and seventy-four.

WILLIAM WYLLIE (SIGNED)



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The steel drawing is partly colored.



