

## **Specification of David Jones and William Patch Wyatt : bath apparatus.**

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A.D. 1872, 23rd OCTOBER. N° 3128.

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SPECIFICATION  
OF  
DAVID JONES  
AND  
WILLIAM PATCH WYATT.

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BATH APPARATUS.

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LONDON:  
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A.D. 1872, 23rd OCTOBER. N<sup>o</sup> 3128.

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### Bath Apparatus.

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

Sealed the 20th December 1872, and dated the 23rd October 1872.

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**PROVISIONAL SPECIFICATION** left by the said David Jones and William Patch Wyatt at the Office of the Commissioners of Patents, with their Petition, on the 23rd October 1872.

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

This Invention has for its object improved arrangements of apparatus  
10 for the convenience of invalids and others requiring hot air, vapour, shower, or medicated baths for curative and other purposes. For this purpose a spring mattress or other suitable elastic surface is supported



*Jones & Wyall's Improvements in Bath Apparatus.*

upon a frame (by preference mounted on wheels or castors) in an inclined position for the patient to recline upon whilst subjected to the bathing process. A cover of metal or other suitable material is hinged or attached to one side of the frame (or it may be separate therefrom), by which the patient's body is covered over and thus enclosed in a 5 chamber, except the head which is left exposed so as to enable the patient to breathe the atmosphere of the room in which the apparatus is placed. The upper end of the cover is closed in by waterproof or other fabric up to the neck of the patient, to prevent the escape of heat at the head of the apparatus from the interior. 10

The head of the patient is supported upon a hinged flap which folds up when out of use. If desired the head of the patient can be enclosed by the waterproof apron so as to inhale the vapour from the interior. At the foot of the mattress a rigid support is placed, and between it and the lower end of the apparatus a chamber is formed into which hot air 15 is admitted, by preference from a "Bunsen" gas burner arranged underneath. Below the gas burner a vessel containing water is placed to impart moisture to the heated air as it enters the apparatus.

In the chamber at the lower end of the apparatus over the gas burner or other source of heat, a vessel containing water for producing vapour 20 with a compartment to contain chemicals, is placed when it is desired to subject the patient to vapour or medicated vapour baths.

Over the upper part of the apparatus a vessel for holding water (supplied by a force pump combined with the apparatus or otherwise) is or may be arranged or suspended upon suitable supports attached to 25 the frame of the apparatus; and at the bottom of the vessel there is a valve which can be opened by a cord so as to allow the water to flow through a flexible pipe which connects the bottom of the vessel with the top of the cover (placed over the patient), on the inner upper surface of which a perforated pipe or passage is arranged for discharging 30 the water in fine streams on to the patient, the apparatus thus acting as a shower bath when required.

A waterproof sheet is placed under the patient which protects the mattress from getting wet, and also acts to conduct the water and condensed vapour by means of channels at the sides away to an 35 aperture at the bottom end of the apparatus through which it is discharged.



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If required, the patient may be supported within the heated chamber upon a sheet of webbing or other suitable material, so that the heated air or vapour may circulate around the body whilst under treatment.

- 5 When the flexible pipe attached to the cover and water chamber is disconnected the aperture serves as a vent to the heated interior of the apparatus, the temperature of which is indicated by a thermometer attached thereto, the temperature being regulated by the supply of gas to the burner or heat to the bath.
- 10 The frame is so arranged as to be placed when required upon a level with the bed of the patient, in order to move the patient on to or from the apparatus readily; and the parts are so constructed as to be readily separated and packed up in a comparatively small compass for removal from place to place as required.
- 15 Electrical, galvanic, or magnetic apparatus or appliances may be arranged in combination with the apparatus for the purpose of operating upon the patient therewith whilst under treatment.

If required, the apparatus can be so arranged that a patient or user can when sufficiently strong employ the apparatus without the aid of  
20 an attendant.

In cases where it is difficult or impossible to remove the patient from a bed to the apparatus, then similar apparatus is arranged for subjecting the patient to the action of hot air, vapour, or medicated vapour, the apparatus being so arranged as to be placed over the  
25 patient and put into operation whilst the patient is lying in bed, hot air being introduced into the chamber thus formed over the patient, and vapour generated therein, as previously described.

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SPECIFICATION in pursuance of the conditions of the Letters Patent,  
filed by the said David Jones and William Patch Wyatt in the  
30 Great Seal Patent Office on the 23rd April 1873.

TO ALL TO WHOM THESE PRESENTS SHALL COME, we, DAVID JONES and WILLIAM PATCH WYATT, both of Clerkenwell, in the County of Middlesex, send greeting.



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WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twenty-third day of October, in the year of our Lord One thousand eight hundred and seventy-two, in the thirty-sixth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto us, the said David Jones and William Patch Wyatt, Her special license that we, the said David Jones and William Patch Wyatt, our executors, administrators, and assigns, or such others as we, the said David Jones and William Patch Wyatt, our executors, administrators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter 10 during the term therein expressed, should and lawfully might make, 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 BATH APPARATUS FOR CURATIVE AND OTHER PURPOSES," upon the 15 condition (amongst others) that we, the said David Jones and William Patch Wyatt, our executors or administrators, by an instrument in writing under our or their hands and seals, or under the hand and seal of one of us or them, should particularly describe and ascertain the nature of the said Invention, and in what manner the same 20 was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that we, the said David Jones and William Patch Wyatt, do hereby declare the nature of the said Invention, and in 25 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 :—

This Invention has for its object improved arrangements of apparatus for the convenience of invalids and others requiring hot air, vapour, 30 shower, or medicated baths, for curative and other purposes.

And in order that our Invention may be fully understood and readily carried into practice, we will proceed to describe the Drawing hereto annexed, which shows a side elevation and longitudinal section of a portable bath and apparatus arranged and constructed in accordance 35 with our Invention.

*a* is a spring mattress or other suitable elastic surface, which is supported upon a frame *a*<sup>1</sup> by preference mounted on a carriage *b*



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*Jones & Wyatt's Improvements in Bath Apparatus.*

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running on wheels or castors, the frame and mattress *a* being shown in an inclined position for the patient to recline upon whilst subject to the bathing process. The inclination or position of the frame and mattress *a* can be varied by means of the rack and pinion *a*<sup>2</sup>, as shewn.

- 5 A cover *c* of metal or other suitable material is hinged or attached to one side of the frame *a*<sup>1</sup> (or it may be separate therefrom), by which the patient's body is covered over and thus enclosed in a chamber, except the head which is left exposed so as to enable the patient to breathe the atmosphere of the room in which the apparatus is placed.
- 10 The upper end of the cover is closed in by waterproof or other fabric *c*<sup>1</sup> up to the neck of the patient to prevent the escape of heat at the head of the apparatus from the interior.

- The head of the patient is supported upon a hinged flap *a*<sup>3</sup>, which folds up when out of use. If desired, the head of the patient can be
- 15 enclosed by the waterproof apron so as to inhale the vapour from the interior. At the foot of the mattress a rigid support is placed, and between it and the lower end of the apparatus a chamber is formed, into which hot air is admitted, by preference from a "Bunsen" gas burner *e* (or other heating apparatus) arranged underneath; below the
- 20 gas burner a vessel containing water may be placed, to impart moisture to the heated air as it enters the apparatus.

- In the chamber at the lower end of the apparatus over the gas burner or other source of heat, a vessel *f* containing water for producing vapour; which vessel may contain chemicals, when it
- 25 is desired to subject the patient to vapour or medicated vapour baths.

- Over the upper part of the apparatus a vessel *g* for holding water (supplied by a force pump combined with the apparatus or otherwise) is arranged or suspended upon suitable supports *g*<sup>1</sup> attached to the
- 30 cover or to the frame of the apparatus; and at the bottom of the vessel there is a valve which can be opened by a cord *g*<sup>2</sup>, so as to allow the water to flow through a flexible or other pipe *g*<sup>3</sup> which connects the bottom of the vessel *g* with the top of the cover *c* (placed over the patient), on the inner upper surface of which a perforated pipe or
- 35 passage *c*<sup>2</sup> is arranged for discharging the water in fine streams on to the patient or user of the apparatus, thus acting as a shower bath when required.



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A waterproof sheet is placed under the patient which protects the mattress from getting wet, and also acts to conduct the water and condensed vapour by means of channels at the sides away to an aperture and outlet pipe  $g^1$  at the bottom end of the apparatus through which it is discharged into a suitable receptacle. 5

If required, the patient may be supported within the heated chamber upon a sheet of webbing or other suitable material, so that the heated air or vapour may circulate around the body whilst under treatment.

When the flexible or other pipe attached to the cover  $c$  and water 10 chamber is disconnected, the aperture serves as a vent to the heated interior of the apparatus, the temperature of which is indicated by a thermometer  $h$  attached thereto, the temperature being regulated by the supply of gas to the burner, or heat to the bath.

The frame  $a^1$  is so arranged as to be placed when required upon a 15 level with the bed of a patient, in order to move the patient on to or from the apparatus readily; and the parts are so constructed as to be readily separated and packed up in a comparatively small compass for removal from place to place as required.

Electrical, galvanic, or magnetic apparatus, or appliances may be 20 arranged in combination with the apparatus for the purpose of operating upon the patient therewith whilst under treatment.

If required, the apparatus can be arranged in a fixed or stationary manner, so that a patient or user can when sufficiently strong employ the apparatus without the aid of an attendant. 25

In cases where it is difficult or impossible to remove the patient from a bed to the apparatus, then similar apparatus is arranged for subjecting the patient to the action of hot air, vapour, or medicated vapour, the apparatus being so arranged as to be placed over the patient and put into operation whilst the patient is lying in bed, hot air being 30 introduced into the chamber thus formed over the patient, and vapour generated therein, as previously described.

By means of our improvements patients may be subjected to treatment similar or equivalent to that known as the Turkish bath without the injurious effects resulting from the inhalation of highly 35 heated air.



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*Jones & Wyatt's Improvements in Bath Apparatus.*

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Having thus described the nature of our improvements, and the manner of performing or carrying the same into practice, we would have it understood that we do not confine ourselves to the exact details herein described, but what we claim is, the improved arrangement of portable and other hot air, vapour, shower, and medicated bath apparatus, for curative and other purposes, substantially as hereinbefore described and shewn in the Drawing hereunto annexed.

10 In witness whereof, we, the said David Jones and William Patch Wyatt, have hereunto set our hands and seals, this Twenty-third day of April, in the year of our Lord One thousand eight hundred and seventy-three.

DAVID JONES. (L.S.)

WILLIAM PATCH WYATT. (L.S.)

Witness,


15 J. G. TONGUE,  
Patent Agent,  
34, Southampton Buildings,  
Chancery Lane,  
W.C.

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LONDON :

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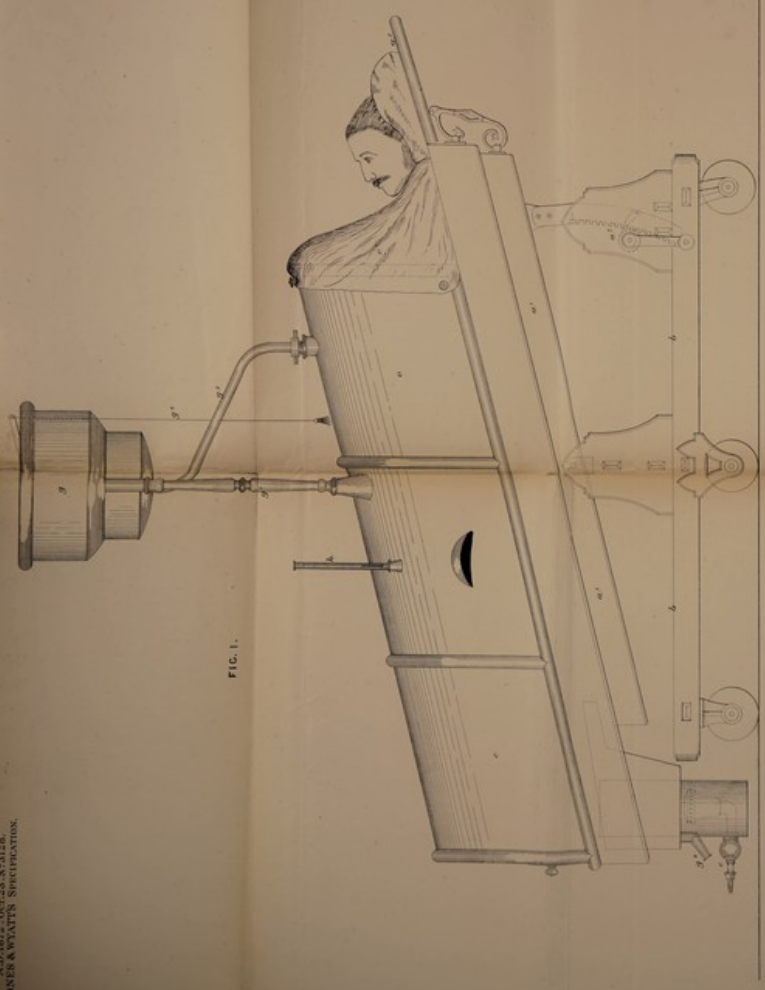
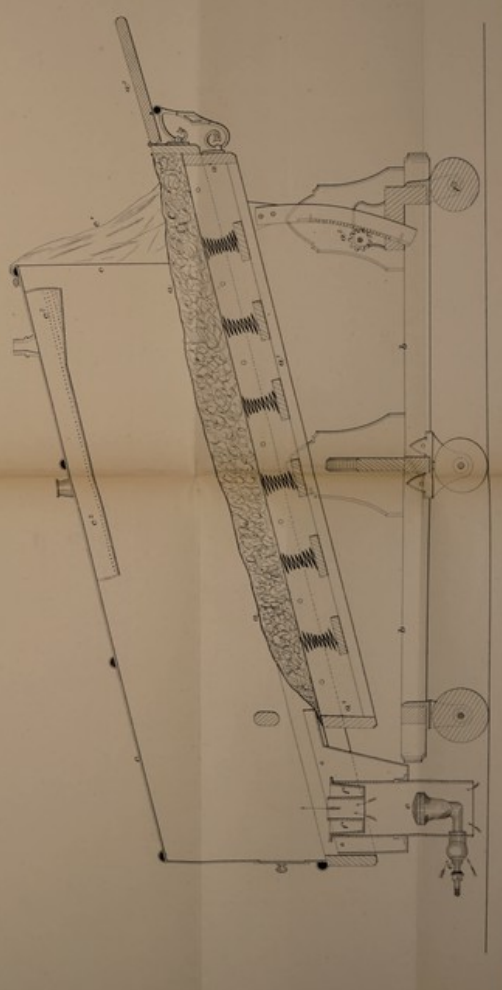


FIG. 2.



The steel drawing is not colored.

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Drawn by Messrs. J. & T. Jones.



