

Specification of Thomas Henry Morrell and Joseph Williamson : purifying noxious vapours from night-soil, &c.;

Contributors

Morrell, Thomas Henry.
Williamson, Joseph, 1895-1988.

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A.D. 1863, *4th MARCH.* N^o 606.

SPECIFICATION

OF

THOMAS HENRY MORRELL
AND
JOSEPH WILLIAMSON.

PURIFYING NOXIOUS VAPOURS FROM
NIGHT-SOIL, &c.

LONDON:

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1863.



A.D. 1863, 4th MARCH. N° 606.

Purifying Noxious Vapours from Night-soil, &c.

LETTERS PATENT to Thomas Henry Morrell, of Leyland, in the County of Lancaster, Gentleman, and Joseph Williamson, of Willcross Gisburn, in the County of York, Gentleman, for the Invention of "A NEW OR IMPROVED METHOD OF PURIFYING THE NOXIOUS VAPOURS OR GASES GIVEN OFF FROM NIGHT-SOIL OR OTHER SIMILAR SUBSTANCES DURING THE HEATING, DRYING, OR EVAPORATING OF SUCH SUBSTANCES."

Sealed the 29th August 1863, and dated the 4th March 1863.

PROVISIONAL SPECIFICATION left by the said Thomas Henry Morrell and Joseph Williamson at the Office of the Commissioners of Patents, with their Petition, on the 4th March 1863.

We, THOMAS HENRY MORRELL, of Leyland, in the County of Lancaster,
5 Gentleman, and JOSEPH WILLIAMSON, of Willcross Gisburn, in the County of York, Gentleman, do hereby declare the nature of the said Invention for
"A NEW OR IMPROVED METHOD OF PURIFYING THE NOXIOUS VAPOURS OR GASES GIVEN OFF FROM NIGHT-SOIL OR OTHER SIMILAR SUBSTANCES DURING THE HEATING, DRYING, OR EVAPORATING OF SUCH SUBSTANCES," to be as follows:—
10 Our Invention consists of drawing or forcing, or of drawing and forcing the

Morrell & Williamson's Method of Purifying the Noxious Vapours of Night-soil.

noxious vapours or gases given off from such substances during their heating, drying, or evaporation, or of otherwise conducting or passing such vapours or gases into or through chloride of lime (or any similar purifying chemicals or purifying agents) strewed upon a series of perforated plates or bars placed in the draft or otherwise in conjunction or connection with the oven or appa- 5
ratus that may be used or employed for the purposes of heating, drying, or evaporating of the night-soil or other similar substance, with the intention or for the purpose of changing, retaining, or purifying the obnoxiousness or nuisance of the noxious vapours or gases that would otherwise during such heating, drying, or evaporation be given off and disseminated or diffused in the 10
atmosphere; and by these means or this process night-soil or other such similar substances may be readily prepared for use as a manure for agricultural purposes, without occasioning any nuisance or producing any deleterious effects in the neighbourhood where such process is carried on.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed 15
by the said Thomas Henry Morrell and Joseph Williamson in the Great
Seal Patent Office on the 4th September 1863.

TO ALL TO WHOM THESE PRESENTS SHALL COME, we, THOMAS
HENRY MORRELL, of Leyland, in the County of Lancaster, Gentleman, and
JOSEPH WILLIAMSON, of Willcross Gisburn, in the County of York, Gentleman, 20
send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters
Patent, bearing date the Fourth day of March, in the year of our Lord One
thousand eight hundred and sixty-three, in the twenty-sixth year of Her
reign, did, for Herself, Her heirs and successors, give and grant unto us, the 25
said Thomas Henry Morrell and Joseph Williamson, Her special license that
we, the said Thomas Henry Morrell and Joseph Williamson, our executors,
administrators, and assigns, or such others as we, the said Thomas Henry
Morrell and Joseph Williamson, our executors, administrators, or assigns,
should at any time agree with, and no others, from time to time and 30
at all times thereafter 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 "**A NEW OR IMPROVED METHOD OF PURIFYING THE NOXIOUS VAPOURS OR GASES
GIVEN OFF FROM NIGHT-SOIL OR OTHER SIMILAR SUBSTANCES DURING THE HEATING,**" 35

Morrell & Williamson's Method of Purifying the Noxious Vapours of Night-soil.

DRYING, OR EVAPORATING OF SUCH SUBSTANCES," upon the condition (amongst others) that we, the said Thomas Henry Morrell and Joseph Williamson, our executors or administrators, by an instrument in writing under our, or one of our, 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 after the date of the said Letters Patent.

NOW KNOW YE, that we, the said Thomas Henry Morrell and Joseph Williamson, do hereby declare the nature of our said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement in writing.

Our Invention consists of drawing or forcing, or of drawing and forcing the noxious vapours or gases given off from night-soil or other similar substances during their heating, drying, or evaporation, or of otherwise conducting or passing such vapours or gases into or through chloride of lime (or any similar purifying chemicals or purifying agents) strewed upon a series of perforated plates or bars placed in the draught or otherwise in conjunction or connection with the oven or apparatus that may be used or employed for the purpose of heating, drying, or evaporating the night-soil or other similar substance, with the intention or for the purpose of changing, retaining, or purifying the obnoxiousness or nuisance of the various vapours or gases that would otherwise during such heating, drying, or evaporation be given off and disseminated or diffused in the atmosphere; and by these means or this process night-soil or other such similar substances may be readily prepared for use as a manure for agricultural purposes, without occasioning any nuisance or producing any deleterious effects in the neighbourhood where such process is carried on.

Having now described the nature and object of our said Invention for "A New or Improved Method of Purifying Noxious Vapours or Gases given off from Night-soil or other similar Substances during the Heating, Drying, or Evaporating of such Substances," together with the manner in which the same is to be or may be performed or carried into practical effect, we would remark in conclusion that we claim as our Invention, drawing or forcing (or drawing and forcing) the noxious vapours or gases given off from such substances during their heating, drying, or evaporation, or otherwise conducting or passing such vapours or gases into or through chloride of lime (or any similar purifying chemicals or purifying agents) strewed upon a series of perforated plates or bars placed in the draft or otherwise in conjunction or connection with the

Morrell & Williamson's Method of Purifying the Noxious Vapours of Night-soil.

oven or other apparatus employed for heating, drying, or evaporating the night-soil or other substance, in the manner and for the purposes above particularly set forth.

In witness whereof, we, the said Thomas Henry Morrell and Joseph Williamson, have hereunto set our hands and seals, this First day of 5 September, in the year of our Lord One thousand eight hundred and sixty-three.

THOMAS HENRY MORRELL. (L.S.)

JOSEPH WILLIAMSON. (L.S.)

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1863.