

Specification of Henry Walker Wood : manufacture of fuel.

Contributors

Wood, Henry Walker.

Publication/Creation

London : Great Seal Patent Office, 1857 (London : George E. Eyre and William Spottiswoode)

Persistent URL

<https://wellcomecollection.org/works/g3exnxa>

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



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



A.D. 1850 N^o 13,386.

S P E C I F I C A T I O N

OF

HENRY WALKER WOOD,

MANUFACTURE OF FUEL.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,
25, SOUTHAMPTON BUILDINGS, HOLBORN,

Price 3d.

1857.





A.D. 1850 N° 13,386.

Manufacture of Fuel.

WOOD'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I HENRY WALKER WOOD, of Briton Ferry, near Neath, Glamorganshire, Gentleman, send greeting.

WHEREAS Her present most Excellent Majesty Queen Victoria, by Her
5 Royal Letters Patent under the Great Seal of the United Kingdom of Great Britain and Ireland, bearing date at Westminster, the Seventh day of December (One thousand eight hundred and fifty), in the fourteenth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Henry Walker Wood, my exors, admors, and assigns, Her
10 especial license, full power, sole privilege and authority, that I, the said Henry Walker Wood, my exors, admors, and assigns, or such others as I, the said Henry Walker Wood, my exors, admors, or assigns, should at any time agree with, and no others, from time to time and at all times during the term of years therein expressed, should and lawfully might make, use, exercise,
15 and vend, within England, Wales, and the Town of Berwick-upon-Tweed, my Invention of "IMPROVEMENTS IN THE MANUFACTURE OF FUEL;" in which said Letters Patent is contained a proviso that I, the said Henry Walker Wood, shall cause a particular description of the nature of my said Invention, and in what manner the same is to be performed, by an instrument in writing
20 under my hand and seal, to be inrolled in Her said Majesty's High Court of Chancery, within six calendar months next and immediately after the date of the said in part recited Letters Patent, as in and by the same, reference being thereunto had, will more fully and at large appear.

Wood's Improvements in the Manufacture of Fuel.

NOW KNOW YE, that in compliance with the said proviso, I, the said Henry Walker Wood, do hereby declare that the nature of my said Invention, and the manner in which the same is to be performed, are fully described and ascertained in and by the following statement thereof, that is to say:—

The fuel to which my improvements relate is of two kinds ; one kind is made 5 of coal, mixed with some other substance or substances, such as pitch, coal tar, resin, or other pitchy, fatty, or resinous substance or substances ; the other kind is made of coke mixed with the above-mentioned substance or substances. My improvements relate to the time of heating the coal or coke used for the purpose of such admixture, that is to say, in the case of fuel made 10 of coal so mixed, my improvement consists in making the coal hot before the other substance or substances so to be mixed with it are applied to it. In the case of fuel made with coke so mixed, my improvement consists in applying the other substance or substances to the coke whilst the coke remains in a hot state after being made. 15

The way in which I manufacture fuel made of coal so mixed is as follows:— I take coal sufficiently small for the purpose and make it quite hot, I then put it into a mixing machine, made with a spindle and arms like a common pug mill. I then add such a proportion of pitch, coal tar, resin, or other pitchy, fatty, or resinous substance or substances as the purpose for which the 20 fuel is wanted may require, and when the whole is perfectly and intimately mixed I press it off in lumps of any size suitable for the purposes for which it may be needed. The way in which I manufacture fuel made of coke so mixed is precisely similar to the above mode of making fuel of coal so mixed, with this exception that I use the coke quite hot as it comes from the ovens, and 25 after passing it through rollers, if needed, in order to make it sufficiently small, I deal with it in the manner above described.

I do not claim the use of any particular form of ovens or other apparatus for heating coal or making coke, nor do I claim any particular form of pug mill, presses or rollers, nor do I claim the exclusive use of any particular 30 pitchy, fatty, or resinous substance or substances for the purposes of the above admixture, but what I claim as my Invention is the making of fuel with coal or coke in combination with some pitchy, fatty, or resinous substance or substances necessary for making a good and serviceable fuel by applying heat to such coal or coke previously to the admixture or combination thereof with 35 such other substance or substances. And I also claim as my Invention the exclusive use of this preparation or any other preparation of a similar character for the purpose of preventing the decomposition of coal, and of preserving it

Wood's Improvements in the Manufacture of Fuel.

by enclosing coal in a covering of this mixture, or by a covering with any other material better suited for the purpose.

In witness whereof, I, the said Henry Walker Wood, have hereunto
set my hand and seal, this Second day of June, in the year of
5 our Lord One thousand eight hundred and fifty-one.

HENRY WALKER (L.S.) WOOD.

AND BE IT REMEMBERED, that on the Second day of June, in the year
of our Lord 1851, the aforesaid Henry Walker Wood came before our said
Lady the Queen in Her Chancery, and acknowledged the Specification
10 aforesaid, and all and everything therein contained and specified, in form
above written. And also the Specification aforesaid was stamped according
to the tenor of the Statute made for that purpose.

Enrolled the Fifth day of June, in the year of our Lord One thousand
eight hundred and fifty-one.

LONDON:

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1857.

RANDALL, Extra.

Henry Walker in the Manufacture of Fuel

is enclosing coal in a covering of this mixture, or by a covering with any other material better suited for the purpose.

In witness whereof, I, the said Henry Walker, have hereunto set my hand and seal, this second day of June, in the year of our Lord One thousand eight hundred and fifty-one.

HENRY WALKER (s.) WOOD

AND BE IT REMEMBERED, that on the second day of June, in the year of our Lord 1851, the above Henry Walker came before our said Lady the Queen in Her Majesty's High Court of Chancery, and acknowledged the Specification therein contained and specified, in form above written. And also the said Specification was stamped according to the tenor of the Statute made for that purpose.

Enrolled the fifth day of June, in the year of our Lord One thousand eight hundred and fifty-one.

LONDON:

Printed by GEORGE EDWARD RYAN and WILLIAM STOUTWOOD,
Printers to the Queen's most Excellent Majesty, 1851.