

Specification of Bondy Azulay and Abraham Solomons : manufacture of charcoal and other fuel.

Contributors

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A.D. 1847 N° 11,737.

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

OF

BONDY AZULAY
AND
ABRAHAM SOLOMONS.

—
MANUFACTURE OF CHARCOAL AND
OTHER FUEL.
—

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
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Price 3d.

1857.

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A.D. 1847 N° 11,737.

Manufacture of Charcoal and other Fuel.

AZULAY AND SOLOMONS' SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, we, BONDY AZULAY, of Rotherhithe, in the County of Surrey, Printer, and ABRAHAM SOLOMONS, of the City of London, Merchant, send greeting.

WHEREAS Her present most Excellent Majesty Queen Victoria, by Her
5 Royal Letters Patent, bearing date at Westminster, the Tenth day of June, in the tenth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto us, the said Bondy Azulay and Abraham Solomons, our eñors, adñors, and assigns, Her especial license, full power, sole privilege and authority, that we, the said Bondy Azulay and Abraham Solomons, our
10 eñors, adñors, and assigns, or such others as we, the said Bondy Azulay and Abraham Solomons, our eñors, adñors, and assigns, might at any time agree, and no others, from time to time and at all times during the continuance of the term of years therein expressed, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick-upon-
15 Tweed, our Invention of "CERTAIN IMPROVEMENTS IN THE MANUFACTURE OF CHARCOAL AND OTHER FUEL;" in which said Letters Patent is contained a proviso, obliging us, the said Bondy Azulay and Abraham Solomons to cause a particular description of our Invention, and in what manner the same is to be performed, by an Instrument in writing under our hands and seals, to be
20 enrolled in Her Majesty's High Court of Chancery within six calendar months next and immediately after the date of the said in part recited Letters Patent,

Azulay & Solomon's Improved Manufacture of Charcoal and other Fuel.

NOW KNOW YE, that in compliance with the said proviso, we, the said Bondy Azulay and Abraham Solomons, do hereby declare that the nature of our Invention, and in what manner the same is to be performed, are particularly described and ascertained in and by the following description thereof (that is to say) :—

5

The first part of our Invention relates to improvements in the manufacture of charcoal. It may be premised, that in the manufacture of charcoal as at present carried on, there is always a considerable amount of waste in the state of dust or powder caused by the crumbling and breaking of the charcoal; this waste is not used at present for fuel. By our Invention this waste is converted into fuel, and a fuel more valuable than large charcoal. We take this waste or small charcoal, and if necessary reduce it to a finer powder by any of the ordinary means for pulverization; we then compress this powder by the use of a hydraulic press or other suitable power, in manner well known, such compressing power being now used for the manufacture of mosaic pavement. We compress the above powder in moulds until it is reduced from one-fifth to one-eighth of its original bulk. When removed from the mould, the block of fuel will be found to be hard and solid, and which in a given size will contain much more fuel than can be found in the ordinary specimens of charcoal, and for this reason it will be a very useful fuel for steam vessels and locomotive engines, saving room in the bunkers and tenders. 10 15 20

The second part of our Invention relates, first, to the manufacture of fuel made of other substances than charcoal, or in combination with charcoal. For this purpose we take small coal (known as slack), breeze, coke, cinders, and pulverize them if necessary in the same manner as before stated; we afterwards compress the powder as before stated, and make blocks of a suitable size. And, secondly, this part of our Invention relates to the manufacture of a fuel adapted for lighting fires, combining a fire-lighter and fuel. For this purpose we take charcoal powder, small coal, coke, cinders, breeze, or all or any of them, and mix them with tar, pitch, resin, or other similar inflammable substance; we then compress the mixture thus formed into moulds, and when taken from the mould the block is dipped in pitch, tar, resin, or other suitable inflammable substance. The block may be covered with sawdust and wrapped in waste paper, by which means each block will readily ignite by applying a lighted match to it, and will burn for any length of time according to the weight of the block. Various sorts of this fuel may be made, of which, however, no further description need be given as this fact will be apparent. 25 30 35

Having now described our Invention, we wish it to be understood that we do not confine ourselves to the precise details herein-before named, but on the

Azulay & Solomon's Improved Manufacture of Charcoal and other Fuel.

contrary, we reserve the right to vary the combinations of materials in any proportions, and the covering of the blocks with a suitable substance to answer the purpose of a fire-lighter; but we do not claim the fire-lighter by itself, many fire-lighters being in common use. But what we do claim is,—

5 First, the manufacture of solid blocks of charcoal from the small pieces or dust produced in the ordinary mode of making charcoal.

Secondly, we claim the manufacture of a fuel by compressing charcoal dust mixed with small coal, coke, dust, cinders, and breeze, or with one or any number of the above-named substances.

10 And, thirdly, we claim the combining a fire-lighter with fuel in the manner herein-before described.

In witness whereof, I, the said Bondy Azulay have hereunto set my hand and seal, this Tenth day of December, in the year of our Lord One thousand eight hundred and forty-seven.

15

BONDY (L.S.) AZULAY.

AND BE IT REMEMBERED, that on the Tenth day of December, in the year of our Lord 1847, the aforesaid Bondy Azulay came before our said Lady the Queen in Her Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in form
20 above written. And also the Specification aforesaid was stamped according to the tenor of the Statute made for that purpose.

DREW.

Enrolled the Tenth day of December, in the year of our Lord One thousand eight hundred and forty-seven.

LONDON:

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

And, finally, I have to state that the

contrary to the right to keep the substance of a substance in any
substance, and the contrary of the right to keep the substance in any
substance of a substance; but we do not claim the right to keep the
substance of a substance in any substance; but we do claim it.

6. That the manufacture of solid blocks of charcoal from the small pieces or
dust produced in the ordinary course of making charcoal.

Secondly, we claim the manufacture of solidly compressing charcoal dust
mixed with small coal, coke, dust, cinders, and bones, or with one or any
number of the above named substances.

10. And, finally, we claim the combining a fire-lighter with fuel in the manner
hereinbefore described.

In witness whereof, I the said Henry Aveling have hereunto set my
hand and seal, this 10th day of December, in the year of our Lord
One thousand eight hundred and forty-seven.

HENRY AVELING (s.)

AND IN TESTIMONY WHEREOF, I the said Henry Aveling have hereunto set my
hand and seal, this 10th day of December, in the year of our Lord
One thousand eight hundred and forty-seven, and acknowledged the
specification in form
elemental, and all and every thing therein contained and specified, in form
above written. And also the specification on charcoal was stamped according
to the form of the Statute made for that purpose.

Witnessed the 10th day of December, in the year of our Lord One
thousand eight hundred and forty-seven.

LONDON:
Printed by the said Henry Aveling and William Aveling, at the
Office of the said Henry Aveling, in the year of our Lord One thousand
eight hundred and forty-seven.

And, finally, I have to state that the
contrary to the right to keep the substance of a substance in any
substance, and the contrary of the right to keep the substance in any
substance of a substance; but we do not claim the right to keep the
substance of a substance in any substance; but we do claim it.