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A.D. 1855 . . . . . N° 1554.

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**Apparatus to Indicate the Time when Persons Commence and Leave their Work, &c.**

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**LETTERS PATENT** to John Adams, of Aldwinckle, in the County of Northampton, Gentleman, for the Invention of "IMPROVEMENTS FOR INDICATING THE TIME WHEN PERSONS COMMENCE AND LEAVE THEIR WORK OR CALLING."

Sealed the 8th January 1856, and dated the 11th July 1855.

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**PROVISIONAL SPECIFICATION** left by the said John Adams at the Office of the Commissioners of Patents, with his Petition, on the 11th July 1855.

I, JOHN ADAMS, of Aldwinckle, in the County of Northampton, Gentleman, do hereby declare the nature of the Invention for "IMPROVEMENTS FOR INDICATING THE TIME WHEN PERSONS COMMENCE AND LEAVE THEIR WORK OR CALLING" to be as follows:—

According to my Invention a series of cells or chambers are caused to revolve regularly by clock-work. These revolving cells are enclosed in a box, in the top of which is an aperture, from which descends a tube. The cells or chambers are by the motion of the clock-work brought successively under the end of the tube, so that a card or ticket put in at the aperture in the top of the box descends by the tube into one or other of the revolving cells or chambers, and thus registers the time at which it was put into the box. Or, in some cases, in place of making the chambers or cells to revolve, I connect the descending tube with the clock-work, and thus deliver the card or ticket into one or other of the stationary chambers or cells.

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Adams' Inpts. for Indicating the Time when Persons Commence & Leave Work, &c.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said John Adams in the Great Seal Patent Office on the 11th January 1856.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JOHN ADAMS, of Aldwinckle, in the County of Northampton, Gentleman, send 5 greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Eleventh day of July, in the year of our Lord One thousand eight hundred and fifty-five, in the nineteenth year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said John Adams, Her special licence that I, the said John Adams, my executors, administrators, and assigns, or such others as I, the said John Adams, my executors, administrators, and assigns, should at any time agree with, and no others, from time to time and 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 "IMPROVEMENTS FOR INDICATING THE TIME WHEN PERSONS COMMENCE AND LEAVE THEIR WORK OR CALLING," upon the condition (amongst others) that I, the said John Adams, 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 after the date of the said Letters Patent.

NOW KNOW YE, that I, the said John Adams, 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:—

According to my Invention a series of cells or chambers are caused to revolve regularly by clock-work. These revolving cells are enclosed in a box, in the top of which is an aperture, from which descends a tube. The cells or chambers are by the motion of the clock-work brought successively under the end of the tube, so that a card or ticket put in at the aperture in the top of the box descends by the tube into one or other of the revolving cells or chambers, and thus registers the time at which it was put into the box. Or, in some cases, in place of making the chambers or cells to revolve, I connect the

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*Adams' Impts. for Indicating the Time when Persons Commence & Leave Work, &c.*

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descending tube with the clock-work, and thus deliver the card or ticket into one or other of the stationary chambers or cells.

And in order that my said Invention may be most fully understood and readily carried into effect, I will proceed to describe the Drawing hereunto annexed.

DESCRIPTION OF THE DRAWING.

Figure 1 shows a vertical section of an apparatus arranged according to my Invention. *a* is a cylinder, in which a series of chambers are formed; this cylinder is mounted on an axis *b*. *c* is a bevelled wheel, also mounted on the axis *b*; and *d* is a bevelled pinion, receiving motion from suitable clock-work, and communicating it to the wheel *c* and the cylinder *a*; *e* is a slit, passing through the top of the box *f*, through which the tickets are introduced into the compartments of the cylinder *a*; thus it is evident that the position of the ticket in the cylinder *a* will determine the time at which it was put in. Figure 2 shows a plan of the cylinder *a*; Figure 3 shows, in vertical section, another method of arranging apparatus according to my Invention. *g, g,* are the series of chambers arranged in a circle on the bottom of the box; *h* is a bent tube, carried at its upper end by the bearing *i*, and resting at bottom on the centre *k*. On the tube *h* a tooth wheel is mounted, which receives motion from suitable clock-work, and causes the tube to rotate slowly. *l* is a hole in the top of the box, through which counters or tickets are introduced, and it is evident that the position of the counter in the series of chambers will indicate the time at which it was introduced.

In witness whereof, I, the said John Adams, have hereunto set my hand and seal, this Eleventh day of January, in the year of our Lord One thousand eight hundred and fifty-six.

JOHN ADAMS. (L.S.)

Witness,

W. CARPMAEL, Jun.

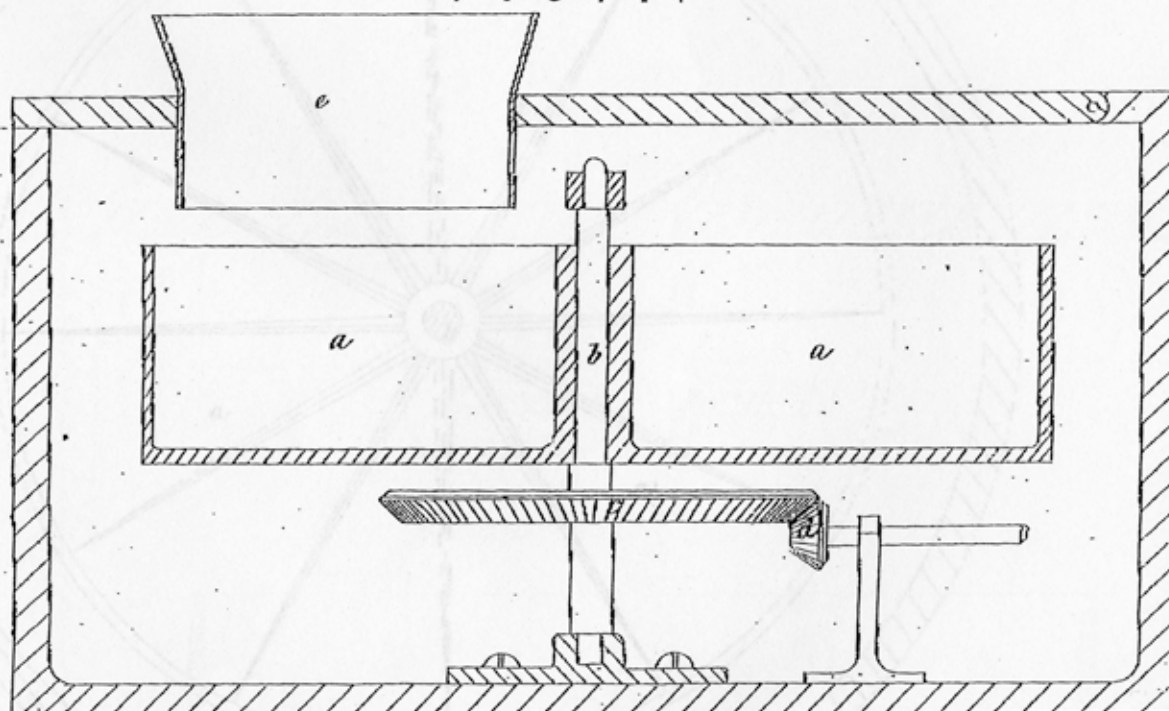
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ADAMS' SPECIFICATION.

F I G . 1 .



F I G . 3 .

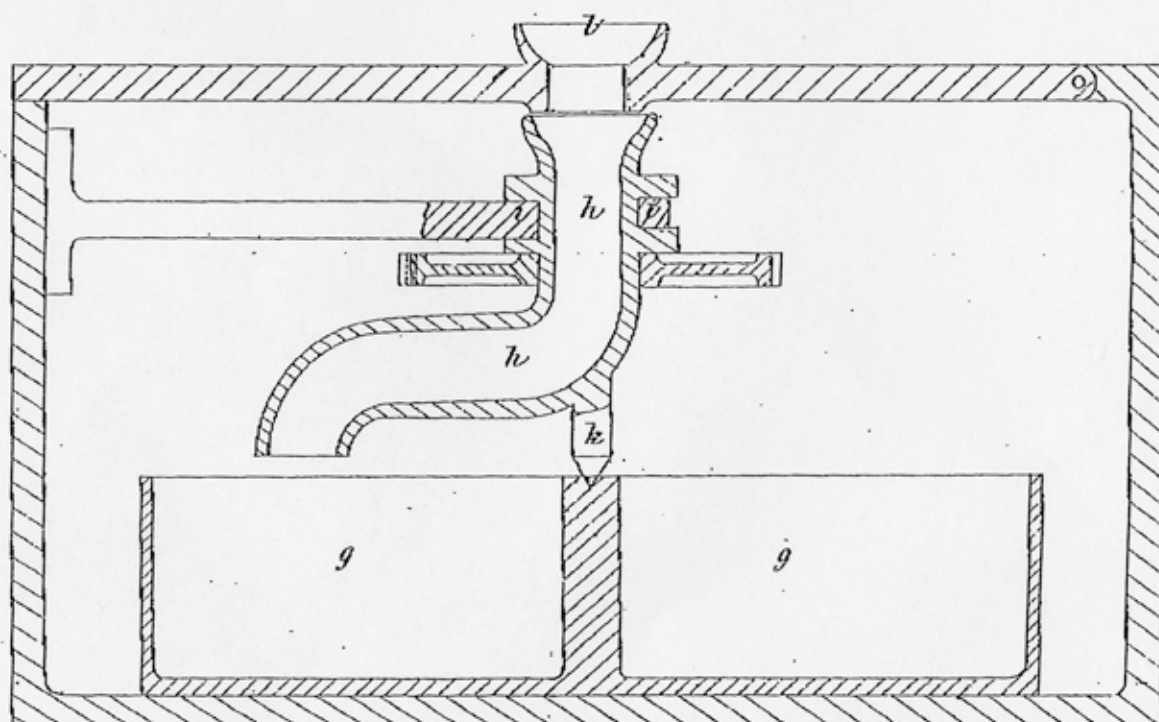
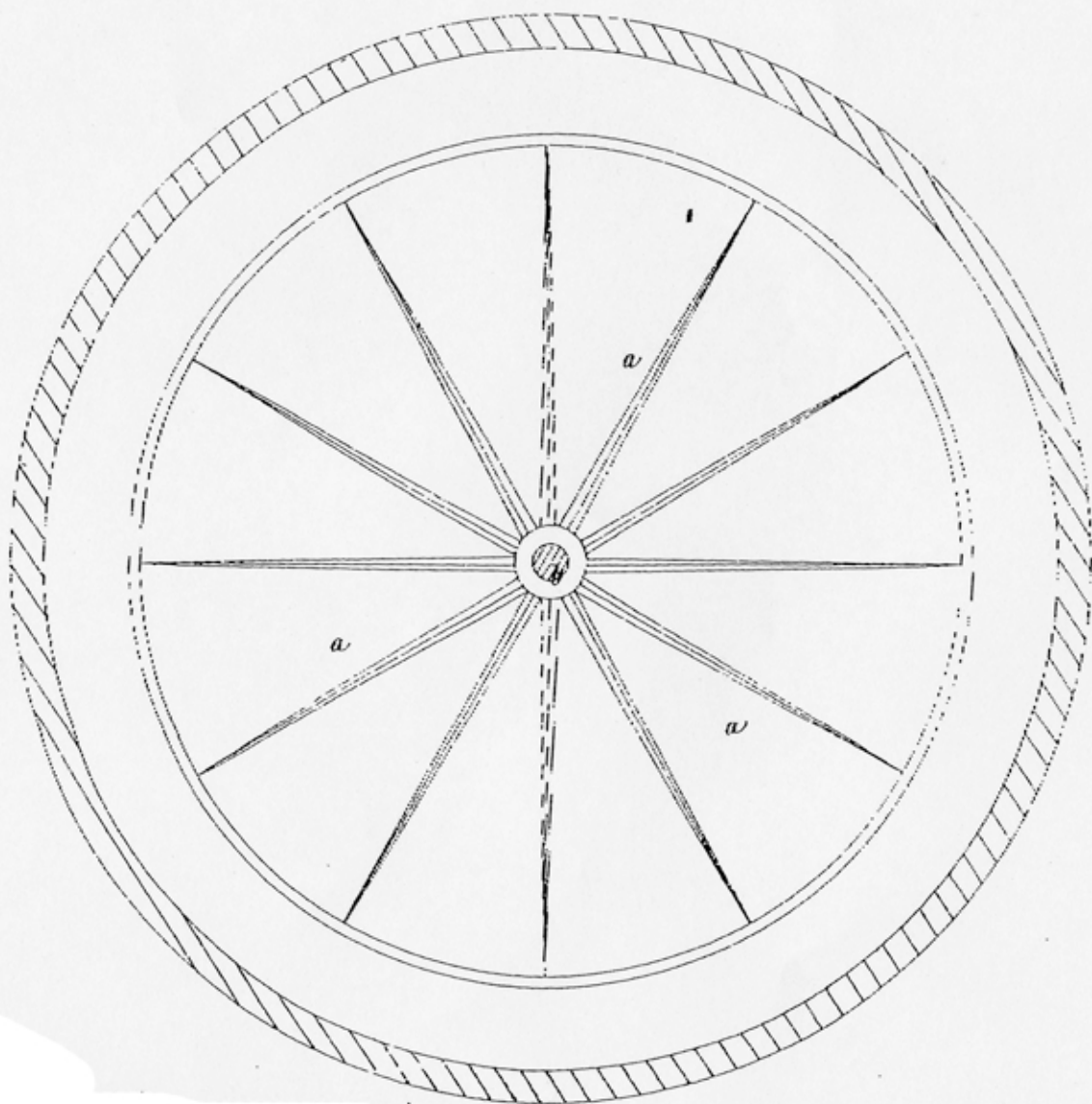




FIG. 2.



being directed to be prosecuted at the Court of Bankruptcy in London, aforesaid, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 14th day of June next, at twelve o'clock at noon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee.

George Lansley Gale, late of Clanville, in the parish of Weyhill, in the county of Hants, Farmer, having been adjudged bankrupt by a Registrar attending at Hants County Prison, Winchester, on the 19th day of May, 1865, and the adjudication being directed to be prosecuted at the Court of Bankruptcy, in London aforesaid, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 14th day of June next, at one o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee.

John Adams, late of Aldwinckle, in the county of Northampton, and of Wimblington, in the Isle of Ely, in the county of Cambridge, having been adjudged bankrupt by a Registrar attending at Cambridge County Gaol, at Chesterton, on the 22nd day of May, 1865, and the adjudication being directed to be prosecuted at the Court of Bankruptcy, in London, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 14th day of June next, at two o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee.

Joseph Austwick, of No. 16, Water-lane, in the city of London, Shipping and Insurance Broker, having a residence also at No. 58, British-street, Bow, Middlesex, a Prisoner for Debt in the Debtors' Prison for London and Middlesex, having been adjudged bankrupt under a Petition for adjudication of Bankruptcy (in formâ pauperis), filed in Her Majesty's Court of Bankruptcy, in London, on the 23rd day of May, 1865, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 9th day of June next, at one o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Mr. R. Bramwell, of No. 80, Basinghall-street, is the Solicitor acting in the bankruptcy.

Hugo Grauer, of No. 20, Water-lane, Great Tower-street, in the city of London, Wine Merchant, having a residence also at No. 50, Church-road, Kingsland, Middlesex, a Prisoner for Debt in the Debtors' Prison for London and Middlesex, having been adjudged bankrupt under a Petition for adjudication of Bankruptcy (in formâ pauperis), filed in Her Majesty's Court of Bankruptcy, in London, on the 23rd day of May, 1865, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 9th day of June next, at one o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Mr. R. Bramwell, of No. 80, Basinghall-street, is the Solicitor acting in the bankruptcy.

John Atkinson, formerly of Cambridge Heath-road, Whitechapel, Cabinet Maker, then of Jubilee-street, Whitechapel, then of the Mount, Whitechapel, and then of Turner-street, Whitechapel, having a workshop at Thomas-street, Whitechapel, all in Middlesex, Cabinet Maker, and then and now of Turner-street, Whitechapel, Middlesex aforesaid, Journeyman Cabinet Maker, a Prisoner for Debt in Her Majesty's Debtors' Prison for London and Middlesex, Whitecross-street, in the city of London, having been adjudged bankrupt under a Petition for adjudication of Bankruptcy (in formâ pauperis), filed in Her Majesty's Court of Bankruptcy, in London, on the 24th of May, 1865, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 9th day of June next, at two o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Mr. H. C. Templeman, of No. 86, Milton-street, Dorset-square, is the Solicitor acting in the bankruptcy.

Harry Newbery, formerly of Azorean-villa, Pownall-road, Dalston, in the county of Middlesex, carrying on business in copartnership with one Edward Arnold, at No. 13, Pudding-lane, in the city of London, as Fruit Merchant, and which copartnership has been and is now dissolved, now of Camden-villa, Queen's-road, Dalston aforesaid, trading on his own account, under the style or firm of

Newbery and Company, at No. 13, Pudding-lane aforesaid, Importer of Wines and Spirits, having been adjudged bankrupt under a Petition for adjudication of Bankruptcy, filed in Her Majesty's Court of Bankruptcy, in London, on the 23rd of May, 1865, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 9th day of June next, at one o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Mr. J. S. Sydney, of No. 33, Jewry-street, Aldgate, is the Solicitor acting in the bankruptcy.

John Nickols, Oswald Halley Colven, and John Kettlewell, all of Seething-lane, in the city of London, Ship-owners, Merchants, Dealers, and Chapmen, trading in copartnership together under the style or firm of John Nickols and Company, having been adjudged bankrupts under a Petition for adjudication of Bankruptcy, filed in Her Majesty's Court of Bankruptcy, in London, on the 24th of May, 1865, are hereby required to surrender themselves to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 14th day of June next, at one o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Messrs. Ellis and Co., of St. Michael's-alley, Cornhill, are the Solicitors acting in the bankruptcy.

Charles Thomas Reader, of No. 19, Hugh-street West, Pimlico, Middlesex, previously of No. 5, Stafford-place, Pimlico aforesaid, Warehouseman in the Warehouse Department, Somerset House, having been adjudged bankrupt under a Petition for adjudication of Bankruptcy, filed in Her Majesty's Court of Bankruptcy, in London, on the 24th day of May, 1865, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 9th day of June next, at two o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Mr. E. F. Marshall, of No. 9, Lincoln's-inn-fields, is the Solicitor acting in the bankruptcy.

Robert Whitrod, of the parish of Saint Peters, in the borough of Thetford, in the county of Norfolk, Boot and Shoe Maker and Leather Seller, having been adjudged bankrupt under a Petition for adjudication of Bankruptcy, filed in Her Majesty's Court of Bankruptcy, in London, on the 25th day of May, 1865, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 14th day of June next, at eleven o'clock in the forenoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Mr. J. V. P. Plimsaul, of No. 7, South-square, Gray's-inn, and Mr. J. Walpole, of Northwold, Norfolk, are the Solicitors acting in the bankruptcy.

James Freeman Gage Spicer, of Londwater, in the parishes of Chepping Wycombe and Wooburn, in the county of Buckingham, Rag Dealer and formerly Paper Manufacturer, having been adjudged bankrupt under a Petition for adjudication of Bankruptcy, filed in Her Majesty's Court of Bankruptcy, in London, on the 25th day of May, 1865, is hereby required to surrender himself to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 14th day of June next, at twelve o'clock at noon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Mr. A. T. Cox, of No. 28, Saint Swithin's-lane, and Mr. D. Clarke, of High Wycombe, Bucks, are the Solicitors acting in the bankruptcy.

Robert Scott and William Thomas Scott, of High-street, in the town and county of Southampton, Tailors and Copartners in trade, having been adjudged bankrupts under a Petition for adjudication of Bankruptcy, filed in Her Majesty's Court of Bankruptcy, in London, on the 27th of May, 1865, are hereby required to surrender themselves to James Rigg Brougham, Esq., a Registrar of the said Court, at the first meeting of creditors to be held before the said Registrar, on the 14th day of June next, at two o'clock in the afternoon precisely, at the said Court. Mr. Edward Watkin Edwards, of No. 22, Basinghall-street, London, is the Official Assignee, and Mr. William Stocken, of No. 150, Leadenhall-street, and Mr. Lomer, of Southampton, are the Solicitors acting in the bankruptcy.

John Green, of No. 56, Aldgate High-street, and Newgate-market, both in the city of London, late of Nottingham, in the town and county of the town of Nottingham, Carcase Butcher, having been adjudged bankrupt under a Petition for adjudication of Bank-