

**CHRONOLOGICAL INDEX OF
PATENTS APPLIED FOR AND
PATENTS GRANTED, FOR THE
YEAR 1857; ACT OF 15 & 16
VICTORIAE, CAP. 83. SEC. XXXII**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649549160

Chronological Index of Patents Applied for and Patents Granted, for the Year 1857; Act of 15 & 16 Victoriae, Cap. 83. Sec. XXXII by Bennet Woodcroft

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

BENNET WOODCROFT

**CHRONOLOGICAL INDEX OF
PATENTS APPLIED FOR AND
PATENTS GRANTED, FOR THE
YEAR 1857; ACT OF 15 & 16
VICTORIAE, CAP. 83. SEC. XXXII**

15 & 16 VICTORIAE, Cap. 83. Sec. XXXII.



CHRONOLOGICAL INDEX
OF
PATENTS APPLIED FOR AND PATENTS
GRANTED,
For the Year 1857.

Printed and Published by Order of the Honourable the Commissioners of Patents,

UNDER THE

ACT of 15 & 16 VICTORIAE, Cap. 83. Sec. XXXII.

BY BENNET WOODCROFT,

SUPERINTENDENT OF SPECIFICATIONS, INDEXES, &c.



LONDON:
PRINTED BY GEORGE EDWARD EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.
PUBLISHED AT THE GREAT SEAL PATENT OFFICE,
SOUTHAMPTON BUILDINGS, HOLBORN.

1858.

CHRONOLOGICAL INDEX

OF

PATENTS APPLIED FOR AND PATENTS GRANTED.

<p>PITMAN. 1st January 1857.</p>	<p>1. JOHN TALBOT PITMAN, of the American and European Patent Offices, 67, Gracechurch Street, London, for an invention for—"A machine for making carpet lining and other similar articles."—<i>A communication.</i> <i>Letters Patent sealed.</i></p>
<p>REINHARDT. 1st January 1857.</p>	<p>2. CHARLES CHRISTIAN REINHARDT, of the City of Baltimore, in the State of Maryland, United States of America, for an invention for—"An improvement in the manner of fastening metallic backs to truss pads of glass, porcelain, or other analogous substances." <i>Letters Patent sealed.</i></p>
<p>RIGBY. 1st January 1857.</p>	<p>3. WILLIAM RIGBY, of Salford, near Manchester, in the County of Lancaster, Engraver, for an invention for—"Improvements in machinery or apparatus for engraving metallic cylinders or rollers employed for printing calico and other substances." <i>Letters Patent sealed.</i></p>
<p>BOURNE. 1st January 1857.</p>	<p>4. JOHN BOURNE, of No. 9, Billiter Street, in the City of London, Civil Engineer, for an invention for—"An improved steam train for navigating shallow rivers." <i>Provisional protection only.</i></p>
<p>NOUALHIER. PRÉVOST. 1st January 1857.</p>	<p>5. EUGÈNE THÉODORE NOUALHIER, and JEAN BAPTISTE PRÉVOST, both of Paris, in the Empire of France, for an invention for—"Improvements in applying metals over hard vitrified or any other surfaces, by galvanoplastic process." <i>Letters Patent sealed.</i></p>
<p>SMITH. WISEMAN. 1st January 1857.</p>	<p>6. JOSEPH SMITH, of Great Bridgewater Street, in the City of Manchester, Mechanic, and HORATIO WISEMAN, of Great Ancoats Street, in the same City, Cabinet Maker and Joiner, for an invention for—"Improvements in shutters for shop fronts and in apparatus connected therewith." <i>Provisional protection only.</i></p>
<p>MABERLY. 1st January 1857.</p>	<p>7. FREDERICK HERBERT MABERLY, of Stowmarket, in the County of Suffolk, Master of Arts, for an invention for—"Improvements in the construction of wheeled carriages." <i>Letters Patent sealed.</i></p>
<p>AYCKBOURN. 1st January 1857.</p>	<p>8. FREDERICK AYCKBOURN, of 4, Lyon's Inn, Strand, in the County of Middlesex, Gentleman, for an invention for—"Improvements in stockings for personal wear." <i>Letters Patent sealed.</i></p>
<p>STOTT. 1st January 1857.</p>	<p>9. FREDERIC SARLEY STOTT, of Bradford, in the County of York, Engineer, for an invention for—"Improvements in slide valves applicable to steam and other motive-power engines." <i>Letters Patent sealed.</i></p>
<p>LORIMIER. 1st January 1857.</p>	<p>10. ANTHONY LORIMIER, of Bedford Square East, Commercial Road, in the County of Middlesex, for an invention for—"An improvement in preparing the surfaces of printers' inking rollers and other articles when vulcanized india-rubber is used." <i>Letters Patent sealed.</i></p>
<p>PHILLIPS. 1st January 1857.</p>	<p>11. WILLIAM HENRY PHILLIPS, of 16, Essex Street, Strand, for an invention for—"Improvements in microscopes." <i>Letters Patent sealed.</i></p>
<p>FOWLER. 1st January 1857.</p>	<p>12. JOHN FOWLER, Junior, of Havering, near Romford, in the County of Essex, for an invention for—"Improvements in giving motion to ploughs and other agricultural implements." <i>Letters Patent sealed.</i></p>
<p>LAWRANCE. 1st January 1857.</p>	<p>13. WILLIAM LAWRENCE, of Chelsea, in the County of Middlesex, Gentleman, for an invention for—"An improved chimney cap or cow and ventilator." <i>Provisional protection only.</i></p>

- GORGES.
1st January 1857. 14. EDOUARD VINCENT JULES LAURENT GORGES, of the City of Paris, and Empire of France, Gentleman, for an invention for—"Improvements in preserving animal substances for food." *Letters Patent sealed.*
- HOUSE.
1st January 1857. 15. JOSEPH HOUSE, of the Minorics, in the City of London, Merchant, for an invention for—"Improvements in concentrating and preserving milk and other liquid articles of food." *Letters Patent sealed.*
- M'LENNAN.
PALMER.
PALMER.
2nd January 1857. 16. JOHN M'LENNAN, of 6, Park Place, Highbury, Islington, JOHN PALMER, and JOHN HENRY PALMER, of 60, Mildmay Street, Stoke Newington, for an invention for—"An economical gas light generator and consumer." *Provisional protection only.*
- WILSON.
2nd January 1857. 17. JOHN WILSON, Manufacturing Chemist, of St. Helen's, in the county of Lancaster, for an invention for—"Improvements in the manufacture of steel." *Provisional protection only.*
- PETTIGREW.
2nd January 1857. 18. JOHN PETTIGREW, of Glasgow, in the county of Lanark, North Britain, Baker, for an invention for—"Improvements in the manufacture of bread." *Letters Patent sealed.*
- JOHNSON.
2nd January 1857. 19. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in apparatus for roasting meat."—*A communication from Perrin de Manigny, of Dijon, in the Empire of France, Merchant.* *Provisional protection only.*
- JOHNSON.
2nd January 1857. 20. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in pressure gauges."—*A communication.* *Provisional protection only.*
- GRAS.
2nd January 1857. 21. AUGUSTIN GRAS, of Marseilles, in the Empire of France, Mechanic, for an invention for—"Improvements in obtaining motive-power." *Provisional protection only.*
- BAIRD.
2nd January 1857. 22. JOHN BAIRD, of Govan, near Glasgow, for an invention for—"Improvements in planting potatoes." *Provisional protection only.*
- SZERBELMEY.
2nd January 1857. 23. NICOLAUS CHARLES SZERBELMEY, of 5, Bermuda Place, Bath Road, Queen's Road, Peckham, in the County of Surrey, Esquire, for an invention for—"Improvements in preparing combinations of materials for rendering walls and other structures waterproof." *Letters Patent sealed.*
- TURNER.
2nd January 1857. 24. JOSEPH TURNER, of King's Lynn, in the County of Norfolk, Engineer, for an invention for—"Improvements in oscillating cylinder steam-engines." *Provisional protection only.*
- HARRIS.
2nd January 1857. 25. JAMES HARRIS, of Hanwell, in the County of Middlesex, Engineer, for an invention for—"Improvements in obtaining and transmitting motive-power." *Letters Patent sealed.*
- BROOMAN.
2nd January 1857. 26. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Certain improvements in rotary steam-engines."—*A communication.* *Provisional protection only.*
- BROOMAN.
2nd January 1857. 27. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"An improved steam-engine."—*A communication.* *Provisional protection only.*
- WATKINS.
3rd January 1857. 28. LEONARD WILLIAM WATKINS, of No. 77, Charlotte Terrace, New Cut, in the Parish of St. Mary, Lambeth, in the County of Surrey, for an invention for—"The manufacture of a composition commonly known as putty, to be used in glazing and other purposes." *Letters Patent sealed.*
- FERRO.
3rd January 1857. 29. FRANCESCO FERRO, of Genoa, in the kingdom of Sardinia, and No. 2, Hatton Garden, London, for an invention for—"The manufacture of paper from a vegetable or herb that grows in the Isle of Sardinia and Spain, and which he proposes to call Ferus Paper." *Provisional protection only.*
- NEWTON.
3rd January 1857. 30. WILLIAM EDWARD NEWTON, of the Office for Patents, 66, Chancery Lane, in the County of Middlesex, Civil Engineer, for an invention for—"Certain improvements in the means of connecting, accumulating, retaining, and applying reserved power for the application of railway breaks in sudden emergencies."—*A communication.* *Letters Patent sealed.*

CROLL. 3rd January 1857.	31. ALEXANDER ANGUS CROLL, of Harold's Wood Lodge, near Romford, in the County of Essex, Civil Engineer, for an invention for—"Improvements in the manufacture of coal gas." <i>Letters Patent sealed.</i>
BROOMAN. 3rd January 1857.	32. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in winding, twisting, and doubling fibrous materials, in the machinery employed therein, and in the mode of driving the same, parts of which improvements are applicable to the communicating of rotary motion to other machinery."— <i>A communication from J. B. Heiller, of Mulhouse.</i> <i>Letters Patent sealed.</i>
BINKS. 3rd January 1857.	33. CHRISTOPHER BINKS, of the City of London, in the County of Middlesex, for an invention for—"Improvements in treating ore in the manufacture of iron and in obtaining products therefrom." <i>Letters Patent sealed.</i>
BINKS. 3rd January 1857.	34. CHRISTOPHER BINKS, of the City of London, in the County of Middlesex, for an invention for—"Improvements in obtaining certain compounds of cyanogen." <i>Letters Patent sealed.</i>
FORSYTH. 5th January 1857.	35. THOMAS FORSYTH, of the City of Manchester, Engineer, for an invention for—"Improvements in locomotive and other steam-engines." <i>Letters Patent sealed.</i>
INGHAM. INGHAM. INGHAM. 5th January 1857.	36. JOHN INGHAM, of Bradford, and EDWARD INGHAM, of the same place, and BENJAMIN INGHAM, of Halifax, in the County of York, Dyers and Finishers, for an invention for—"Improvements in apparatus employed in finishing textile fabrics." <i>Letters Patent sealed.</i>
BRUNDISH. 5th January 1857.	37. ANDREW BRUNDISH, of Birmingham, in the County of Warwick, Manufacturer, for an invention for—"Improvements in mounting knobs and in constructing and mounting roses for locks, latches, and other such like fastenings." <i>Letters Patent sealed.</i>
JOWETT. 5th January 1857.	38. HENRY ALFRED JOWETT, of Sawley, in the County of Derby, Civil Engineer, for an invention for—"Improvements in steam-engines." <i>Provisional protection only.</i>
BRAITHWAITE. 5th January 1857.	39. FREDERICK BRAITHWAITE, of 32, Gower Street, Bedford Square, in the County of Middlesex, Civil Engineer, for an invention for—"An improved mode of extracting the iron from tin ores." <i>Provisional protection only.</i>
BAKER. 5th January 1857.	40. DAVID BAKER, of the Gishol' Alm Works, Yorkshire, for an invention for—"An improvement in the manufacture of paper." <i>Letters Patent sealed.</i>
GOSSAGE. 5th January 1857.	41. WILLIAM GOSSAGE, of Widnes, in the County of Lancaster, for an invention for—"Improvements in the manufacture of sulphuric acid and in the construction of apparatus used for such manufacture." <i>Provisional protection only.</i>
OLDHAM. 5th January 1857.	42. JOHN OLDHAM, of Preston, in the County of Lancaster, Telegraph Clerk, for an invention for—"An apparatus for closing the supply cocks of gas burners." <i>Provisional protection only.</i>
HYDE. 5th January 1857.	43. JOHN MOORE HYDE, of Cumberland Iron Works, in the City of Bristol, Iron Ship Builder, for an invention for—"Improvements in iron and wooden ships or vessels, and in the adaptation of the machinery for propelling the same." <i>Letters Patent sealed.</i>
DUMARCHEY. LEVY. MAYER. 6th January 1857.	44. FRANÇOIS FRÉDÉRIC DUMARCHEY, SAMUEL LEVY, and JOSEPH MAYER, all of Paris (France), for an invention for—"Improvements in wheels and axles for common road carriages." <i>Letters Patent sealed.</i>
KENNARD. 6th January 1857.	45. THOMAS WILLIAM KENNARD, of Sussex Gardens, Hyde Park, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in metallic piles." <i>Provisional protection only.</i>
HOLMES. 6th January 1857.	46. THOMAS HOLMES, of Pendleton, in the County of Lancaster, Bleacher, for an invention for—"Improvements in the prevention or consumption of smoke in furnaces and fireplaces." <i>Letters Patent sealed.</i>
RITTERBANDT. 6th January 1857.	47. LOUIS ANTOINE RITTERBANDT, of 45, Warwick Street, Regent Street, London, in the County of Middlesex, Doctor of Medicine, for an invention for—"Improvements in the treatment of substances containing earthy phosphates." <i>Letters Patent sealed.</i>

TRIFE. 6th January 1857.	48. JULIUS DECIMUS TRIFE, of King's Place, Commercial Road, in the County of Middlesex, Gentleman, for an invention for—"Improvements in mechanism for affording increased security to valves, taps, or other apparatus used for regulating or interrupting the flow of gases, vapours, and liquids." <i>Provisional protection only.</i>
MABERLY. 6th January 1857.	49. FREDERICK HERBERT MABERLY, of Stowmarket, in the County of Suffolk, Master of Arts, for an invention for—"Improvements in constructing receptacles for sewerage, for separating the fluid from the solid portion thereof, and for purifying, storing, and carrying away the same." <i>Provisional protection only.</i>
BOUGLEUX. 6th January 1857.	50. HENRY BOUGLEUX, of Leghorn, for an invention for—"Improvements in steam-boilers." <i>Letters Patent sealed.</i>
WRIGHT. 6th January 1857.	51. CHARLES EMILUS WRIGHT, of Green Street, Blackfriars, for an invention for—"Improvements in preparing lubricating compounds." <i>Letters Patent sealed.</i>
BROOMAN. 6th January 1857.	52. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in knitting-frames."— <i>A communication from Mr. Pusch.</i> <i>Letters Patent sealed.</i>
DUNBAR. 6th January 1857.	53. ALEXANDER ARTHUR DUNBAR, of Glasgow, in the County of Lanark, North Britain, Joiner, for an invention for—"Improvements in lifting, lowering, and disengaging ships' boats." <i>Provisional protection only.</i>
TRATTLES. 6th January 1857.	54. MATTHEW TRATTLES, of Staithes, in the Parish of Inderwill, in the County of York, Tool Maker, for an invention for—"Improvements in tools for cutting cylindrical and conical forms." <i>Letters Patent sealed.</i>
COOK. 6th January 1857.	55. CHARLES COOK, of 76, Mount Street, Grosvenor Square, in the County of Middlesex, Builder, for an invention for—"Improvements in apparatus for generating draughts in chimnies, and for other purposes." <i>Provisional protection only.</i>
HARGREAVES. MOSEDALE. 7th January 1857.	56. BENJAMIN HARGREAVES, of Habersham Eaves, near Burnley, in the County of Lancaster, Cabinet Maker, and ABRAHAM MOSEDALE, of Burnley aforesaid, Moulder, for an invention for—"Certain improvements in looms for weaving." <i>Provisional protection only.</i>
CLAUS. 7th January 1857.	57. CHARLES FREDERICK CLAUS, of Latchford, in the County of Chester, Chemist, for an invention for—"Obtaining tin or compounds of tin from the scraps or clippings of tinned sheet iron." <i>Letters Patent sealed and Specification filed, by order.</i>
MORRIS. 7th January 1857.	58. JAMES MORRIS, of New Kent Road, in the County of Surrey, Ladder and Broom Maker, for an invention for—"Improvements in washing-machines." <i>Letters Patent sealed.</i>
PILKINGTON. ENTWILE. 7th January 1857.	59. PETER PILKINGTON, and THOMAS ENTWILE, of Accrington, in the County of Lancaster, for an invention for—"Improvements in machinery or apparatus for washing, cleaning, agitating, grinding, polishing, or mixing various materials." <i>Provisional protection only.</i>
CURTIS. 7th January 1857.	60. WILLIAM JOSEPH CURTIS, of 1, Crown Court, Old Broad Street, in the City of London, for an invention for—"Improvements in railway axletree boxes." <i>Provisional protection only.</i>
SMITH. 7th January 1857.	61. WILLIAM YOUNG SMITH, of No. 77, Sydney Street, Sheffield, in the County of York, for an invention for—"An improvement in sawing all kinds of wood." <i>Letters Patent sealed.</i>
HILL. 7th January 1857.	62. HENRY CHARLES HILL, of Croydon, Surrey, for an invention for—"Improvements in screw and lifting jacks, and in machines for lifting, pressing, and lowering." <i>Letters Patent sealed.</i>
COOPER. 8th January 1857.	63. GEORGE PATE COOPER, of Walworth, in the County of Surrey, for an invention for—"Improvements in the manufacture of shirt collars."— <i>Letters Patent sealed.</i>
GOODMAN. MYERS. GOODMAN. 8th January 1857.	64. JULIUS GOODMAN, ABRAHAM MYERS, and LOUIS GOODMAN, of No. 25, King David Lane, Shadwell, in the County of Middlesex, for an invention for—"Improvements in the manufacture of caps or coverings for the head." <i>Letters Patent sealed.</i>
NEWTON. 8th January 1857.	65. RUPERT NEWTON, of Birmingham, in the County of Warwick, Commercial Traveller, for an invention for—"A new or improved manufacture of metallic boxes." <i>Provisional protection only.</i>

PRESTWICH. 8th January 1857.	66. WRIGHT PRESTWICH, of Oldham, in the County of Lancaster, Dentist, for an invention for—"Improvements in gas burners." <i>Provisional protection only.</i>
HUGHES. 8th January 1857.	67. EDWARD JOSEPH HUGHES, of the City of Manchester, in the County of Lancaster, Patent Agent, for an invention for—"Improvements in the manufacture and application of compounds resembling gutta-percha and caoutchouc, from flour, fibrine, gelatine, and other vegetable and animal substances."— <i>A communication.</i> <i>Letters Patent sealed.</i>
HARRIS. 8th January 1857.	68. JAMES HARRIS, of Harwell, in the County of Middlesex, Engineer, for an invention for—"An improved lock and method of acting upon lock bolts, latches, taps, and valves, railway and other signal bells, and other like apparatus." <i>Letters Patent sealed.</i>
M'DONALD. 8th January 1857.	69. ALEXANDER M'DONALD, of the Polished Granite Works, Aberdeen, North Britain, for an invention for—"Improvements in the manufacture of columns, pilasters, and other similar structures of granite, marble, porphyry, jasper, serpentine, sienite, and other stones capable of receiving a high polish." <i>Letters Patent sealed.</i>
LAWES. 8th January 1857.	70. THOMAS LAWES, of the Office for Patents, 77, Chancery Lane, in the County of Middlesex, for an invention for—"A machine or apparatus to be used in cleansing, purifying and drying animal and vegetable substances." <i>Provisional protection only.</i>
BALL. WILKINS. 8th January 1857.	71. THOMAS BALL and JOHN WILKINS, both of Nottingham, Manufacturers, for an invention for—"Improvements in manufacturing looped fabrics suitable for the making of gloves and other articles." <i>Letters Patent sealed.</i>
RUSSELL. HOWELL. 8th January 1857.	72. JOHN JAMES RUSSELL, of Wednesbury, and JOSEPH BENNETT HOWELL, of Sheffield, for an invention for—"Improvements in the manufacture of steel tubes applicable to the flues of steam-boilers and other uses." <i>Letters Patent sealed.</i>
KEATES. 8th January 1857.	73. THOMAS WILLIAM KEATES, of Chatham Place, in the City of London, Chemist, for an invention for—"Improvements in the treatment of Raagoon naphtha and other varieties of petroleum." <i>Provisional protection only.</i>
ROBERTS. 8th January 1857.	74. JOHN ROBERTS, of Upnor, in the County of Kent, Terra Cotta Manufacturer, for an invention for—"Improvements in the stoppering or closing of jars, bottles and other vessels, applicable also to the joining of earthenware and other pipes." <i>Provisional protection only.</i>
TURNBULL. 8th January 1857.	75. ROBERT TURNBULL, of Harwich, in the County of Essex, Foreman Shipwright, for an invention for—"Improvements in cradles for heaving up ships." <i>Letters Patent sealed.</i>
DAY. HINKS. 9th January 1857.	76. JOHN ROCK DAY, of Birmingham, in the County of Warwick, Machinist, and JOSEPH LESTER HINKS, of Birmingham aforesaid, Manufacturer, for an invention for—"Improvements in constructing and attaching knobs and handles of drawers and doors, cupboard turns, and other such like articles." <i>Letters Patent sealed.</i>
JOHNSON. 9th January 1857.	77. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, for an invention for—"Improvements in machinery or apparatus for sewing or uniting and ornamenting fabrics."— <i>A communication from Pierre Chevalot, of Paris, in the Empire of France, and Jean Francois Ligny, of the same place, Merchants.</i> <i>Letters Patent sealed.</i>
SMITH. 9th January 1857.	78. ROBERT SMITH, of Longridge, near Preston, in the County of Lancaster, Manufacturer, for an invention for—"Certain improvements in the manufacture of corded shirtings and corded petticoats." <i>Letters Patent sealed.</i>
JOHNSON. 9th January 1857.	79. JOHN HENRY JOHNSON, of 47, Lincoln's Inn Fields, in the County of Middlesex, and of 166, Buchanan Street, in the City of Glasgow, North Britain, Gentleman, for an invention for—"Improvements in the application of the electrotype or galvanoplastic processes."— <i>A communication from Etienne Lenoire, of Paris, in the Empire of France, Galvaniser.</i> <i>Letters Patent sealed.</i>
CARRUTHERS. 9th January 1857.	80. JOHN ANDERTON CARRUTHERS, of Over Darwen, near Blackburn, in the County of Lancaster, Reed Maker, for an invention for—"Improvements in the mode or method of forming the lease or shed in sizing, warping, or weaving." <i>Provisional protection only.</i>

- HARDACRE.**
9th January 1857. 81. JAMES HARDACRE, of the City of Manchester, in the County of Lancaster, Machinist, for an invention for—"Improvements in machinery or apparatus for preparing cotton wool and other fibrous substances to be spun."
Provisional protection only.
- GIBBS.**
9th January 1857. 82. JOSEPH GIBBS, of Abingdon Street, in the City of Westminster, Civil Engineer, for an invention for—"Improvements in extracting gold and silver from their matrices and from other substances or materials with which they are combined, mixed, or associated."
Provisional protection only.
- BAGSHAW.
HARRIS.**
9th January 1857. 83. JOHN BAGSHAW, and JOHN PAINE HARRIS, both of Belsted, in the County of Suffolk, for an invention for—"Improved medicinal mixtures adapted for curing diseases of cattle."
Letters Patent sealed.
- GHATRIX.
GHATRIX.**
10th January 1857. 84. JOHN and CHRISTOPHER GHATRIX, of Preston in the County of Lancaster, Machine Makers, for an invention for—"Improvements in looms."
Letters Patent sealed.
- BRETHON.**
10th January 1857. 85. LOUIS JULIEN BRETHON, of the Town of Tours, in the Empire of France, Practical Engineer, for an invention for—"Improvements in machinery for manufacturing draining pipes, bricks, tiles, and all other similar plastic articles."
Letters Patent sealed.
- KYLE.**
10th January 1857. 86. DAVID DENNE KYLE, of Albany Street, Regent's Park, in the County of Middlesex, for an invention for—"A method of retarding or stopping railway trains and carriages, applicable also to carriages on common roads."
Letters Patent sealed.
- ADAMS.**
10th January 1857. 87. JOHN ADAMS, of No. 13, Ivy Cottages, Queen's Road, Dalston, London, for an invention for—"A Minié or other rifle sight on a new and improved plan."
Provisional protection only.
- CHANTER.
WAKEFIELD.**
10th January 1857. 88. JOHN CHANTER, of Bow Road, in the County of Middlesex, and JOHN WAKEFIELD, of Inchicore, in the County of Dublin, Engineer, for an invention for—"Improvements in the fire-boxes or furnaces of locomotive engine boilers."
Letters Patent sealed.
- HODGSON.**
10th January 1857. 89. JAMES HODGSON, of 16, Sweeting Street, Liverpool, for an invention for—"An improvement in constructing wrought iron masts, yards, bowsprits, and other ships' spars."
Letters Patent sealed.
- KURLA.**
10th January 1857. 90. FRANCIS XAVIER KURLA, of Raven Row, Mile End Gate, in the County of Middlesex, for an invention for—"Improvements in apparatus for heating stoves by gas."
Letters Patent sealed.
- OLLIFFE.
GOLLOP.**
10th January 1857. 91. CHARLES RICHARD OLLIFFE, of Park Lane, Hyde Park, and JAMES ANNING GOLLOP, of New Oxford Street, both in the County of Middlesex, for an invention for—"Improved apparatus for cleaning knives."
Letters Patent sealed.
- PORTER.**
10th January 1857. 92. JOHN FRANCIS PORTER, of 11, Park Street, Westminster, in the County of Middlesex, Civil Engineer, for an invention for—"Improvements in the manufacture of bricks and other articles of clay and brick earth or of the like materials."
Letters Patent sealed.
- DESBUES.**
10th January 1857. 93. PAUL DESBUES, of Paris, in the Empire of France, Chemist, for an invention for—"Improvements in purifying gas."
Provisional protection only.
- WATT.**
10th January 1857. 94. WILLIAM WATT, of Belfast, in the County of Antrim, in Ireland, for an invention for—"Improvements in treating or preparing indian corn and other grain and amylaceous vegetable substances for fermentation and distillation."
Letters Patent sealed.
- BROOMAN.**
10th January 1857. 95. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in galvanic batteries and in apparatus connected therewith."—*A communication from Messieurs Grenet, junior, and de Fournelle.*
Letters Patent sealed.
- BROOMAN.**
10th January 1857. 96. RICHARD ARCHIBALD BROOMAN, of 166, Fleet Street, in the City of London, Patent Agent, for an invention for—"Improvements in propelling ships, boats, and other vessels."—*A communication from François Jeandeu.*
Provisional protection only.
- BILAM.**
12th January 1857. 97. BENJAMIN BILAM, of Rotherham, in the County of York, Gentleman, for an invention for—"Improvements in machines for washing coal and other minerals."
Provisional protection only.