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### **PATENTS APPLIED FOR BY CHESHIRE RESIDENTS**

**This is a list of Patent Specifications in the names of Cheshire-based inventors. They were published by The Patent Office and printed by HMSO. Approx A4 size, they are unbound, having been disbound from a book of patents. Some are stapled. They bear a library's stamp. I show the number of pages of text (pp), but each has at least one page of drawings extra to this. £5 each, post-free, pay on receipt. They were published in the year shown, and I show the Patent Office's Reference Number, which should be used for ordering please.**

#### **1888**

15725 Samuel WORSENCROFT, Poynton...improvements in cowls/ventilators 2pp

#### **1889**

94 James & John HARGREAVES and Thomas ROBINSON, Widnes...treating lime refuse for cement 5pp

393 James LITTLER, Altrincham...displaying advertisements 5pp

#### **1895**

2061 Wm ATKINSON, Hoyle...railway signalling apparatus 2pp

7123 Isaac HAYWARD, Warrington...rolling mills 4pp

7319 Thomas FLETCHER, Wm RUSSELL, FLETCHER RUSSELL & Thynne St, Warrington...electrical hot plates 2pp

#### **1896**

5138 Wm Taylor BIRCHENHOUGH, Macclesfield...power looms for weaving figured goods 4pp

#### **1898**

11739 Jacob ALVERTI, Sale & another...advertising stands 2pp

#### **1899**

6052 Francis Wm WEBB & Arthur Moore THOMPSON, Crewe...working railway points by electricity 5pp

#### **1902**

8033 Walter Henry TRAVERS, Benjamin HOWDLE & another, Seacombe...holding of joints of street permanent ways 3pp

9590 LEVER Bros Ltd, John GRAY, Rock Ferry & John CHESHIRE, New Ferry...counting mechanism on printing machines 8pp

#### **1904**

286 John Edward Lewis OGDEN, Liscard...steam traps 9pp

5422 James J & Walter K MELDRUM, Timperley...internal combustion engines 5pp

5522 John Edward THORNTON, Altrincham...photographic roller blind shutters 3pp

8647 Arthur MELLOR, Macclesfield...arresting delivery in twisting machinery 3pp

8760 Bernard RATHMELL, Liscard...refrigeration 4pp

13340 Robert GIBSON, Prince Edward St, Birkenhead...refacing valve seats 3pp  
 13412 John Wm WHITTLE, Warrington...libnk belting 2pp  
 14540 William & James HULME, Sale...plant pots 2pp  
 17475 Herbert LEES, Irby...an improved harrow 2pp  
 20108 John RIGBY, Winsford...apparatus for drawing salt pans 6pp  
 25405 Athol Wilfrid CLARKE, West Didsbury...packing rings for fluid-pressure turbines 3pp  
 26198 Edward Williams WYNNE, Seacombe...purifying petroleum oils 3pp  
 28858 John Arthur HIRST & Percy Smith BROOK, Chester...electric switch 3pp  
 29197 Max Louis MELLIN, Birkenhead...driving belts 4pp  
 29352 Charles Edward FREEMAN & Sandycroft Foundry Co, Chester...nut-locking devices 4pp  
 29631 John Edward THORNTON, Altrincham...cases of photographic films 7pp

### 1905

2045 Robert Grundy BROOKE, Upton Grange, Macclesfield...water heating apparatus 9pp  
 2068 John PHYTHIAN, Buglawton...mechanical stokers 5pp  
 2517 Thomas GARE, New Brighton...silent & resilient wheels 3pp  
 3635 Andrew ANDERSON, Liscard...hooks for hoisting gear 3pp  
 3654 Wm BIRTWISLE, Hartford...ridge/drill ploughs 4pp  
 4376 James HANCOCK, Samuel SPANN, Tranmere & another...pre-payment gas meters 6pp  
 4589 Henry MONK, gunsmith, Chester...epicyclic gearing  
 5108 Joseph John CROSFIELD, Frodsham & Dr Karl Emil MERKEL, Warrington...separation of solids from liquids 3pp  
 5190 Moses John ROBERTS, Rock Ferry...stern tubes of steam ships 2pp  
 5192 Benjamin CALDWELL, Lower Bridge St, Chester...screwed cotter bolts 1pp  
 5313 Moses John ROBERTS, Rock Ferry...improvements in dumb-bells 2pp  
 6193 Wm Hales TURNER, Congleton...printing machines for tiles 3p  
 7770 George COTTON, The Croft, Holmeschapel (sic) steam generators etc..3pp  
 9182 Frederick NIBLOCK, Wallasey...valve for high-pressure steam 3pp  
 9184 -do-...rings for steam pistons 3pp  
 18533 Francis Aldred Lodge HARRIS, Alderley Edge...fire-resisting flooring 4pp  
 13100 Reginald Frank BILLINGS & Reginald Augustus SQUIBB, of Andrew STORRAR & Co, Chester...cheese makers required to be tilted 3pp  
 15981 Matthew HILTON, Hale & another...beetling machines for wioven fabrics 4pp  
 17187 Rupert Arthur MORRIS, Stockton Heath...substitutes for felt,linoleuym etc 3pp Not illus  
 17509 Thomas Redfern LEIGH, Didsbury...joints for hot water pipes etc 2pp  
 17919 Thomas Downie, WALLASEY...filtering the feed water of steam generators 3pp  
 19769 Wm Ernest ASHTON of ASHTON Bros & PHILLIPS Ltd, Warrington...construction of mail carts, invalid carriages etc 2pp  
 19770 Albert Henry WALKER, Runcorn...automatic steam brake 2pp  
 19786 John Harrop JONES, Sale...sash/casement windows 2pp  
 20434 Ernest Thomas HEADECH, Cuddington...lifting jacks 2pp  
 21282 Francis James MORAN, Birkenhead...preventing punctures in pneumatic tyres 3pp  
 22553 Harry Benwell STOCKS, Didsbury...percussive hand tools 4pp

- 22567 Max Louis MELLIN, Birkenhead...driving belts 3pp  
 23148 with 23148A John SWAN, Liscard...machinery for making cigarettes 8pp  
 24367 Joseph Walwyn WHITE, Widnes...aerial ropeway conveyors 6pp  
 24377 Alfred WALTHO, Liscard...machines for making caps for bottles 4pp  
 25634 Bartholemew Richmond ROWLAND, Altrincham...superheating steam 6pp  
 25772 Archibald Frank STEVENSON, Warrington...propulsion of road vehicles  
 4pp

### 1906

- 14638 Wm Marrow BECKETT, Lymm...automatic sewage lifts 3pp

### 1908

- 2165 Bertram Maurice JAGER, Birkenhead...(liquid) filtering apparatus 2pp  
 3086 John Tomlinson WHALEY, Post Office, Saughall...apparatus for holding bags  
 upright for filling 3pp  
 3897 Clifford BARCLAY, Willowbank Rd, Birkenhead...internal combustion engine  
 3pp  
 5686 Edward Alan CHRISTIAN, Park Rd South, Birkenhead...current-collecting for  
 electric railway vehicles 3pp  
 6201 Arthur Edwin BOARDMAN, , Warrington...soap plodders 3pp  
 6286 Frederick George LAKE, Prestbury, clock maker...workmen's time register  
 9pp  
 7250 Wm Henry NIGHTINGALE, Newgate St, Chester...milk cans etc 3pp  
 8116 Wm Edward MOSS, Liscard...steam pumps 3pp  
 10015 Jane Esther SMITH, 'Valewood', Mobberley...spring-operated hairpins etc  
 2pp  
 10461 Robert PARRY, 'Westcote', Hoole...road paving blocks 2pp  
 10469 THORNTON-PICKARD Ltd ( Arthur PICKARD & Thomas W PIERCY  
 Altrincham...reflex cameras 3pp  
 10551 Frank Edward ADAMS, Pressure Tool Co, Birkenhead/Wallasey  
 ...manufacture of cans 5pp  
 12481 -do- ...sheet metal boxes 5pp  
 13520 Max HARTENHEIM, Park Rd, Hale...control of electric motors 4pp  
 14870 John DEAM, Ellesmere Port...indicating the horse-power of steam  
 engines 4pp  
 16270 Wm THOMPSON, Duke St, Birkenhead...sheet metal panels 3pp  
 17387 John Henry PAGE, Ellesmere Port...turbine for boiler feeding 2pp  
 18542 John Charles BELTON, Sandy Lane, Chester...siphons for gas mains 3pp  
 22799 Wm Thomas WATSON, Didsbury...tyre pressure indicator 2pp  
 23105 Robert Thomas SMITH, Lovely Lane, Warrington...wheels for vehicles  
 4pp  
 23864 Wm JONES, Whitby Rd, Ellesmere Port...crane jib indicator 3pp  
 24467 Gilbert Arthur BECKETT, Seacombe...electro-galvanising equipment  
 4pp  
 26980 John Edward THORNTON, Altrincham & another...film packs 4pp  
 26985 Richard Henry GINMAN & Robert Harry BROWN, Birkenhead...stop  
 valves for liquids, gases 4pp

### 1909

- 10173 Alfred AYRTON, Chichester St, Chester...tent pegs etc 3pp  
 10235 Ernest EVANS, Liscard...feeding cake machinery 3pp  
 10720 Wm & Thomas Dutton BAYLIFF, Birkenhead...turbines 5pp  
 11592 Albert Edward WALKDEN, Liscard...shoe stud protectors 2pp

11770 Robert Thomas Smith, , Warrington...wheels for vehicles 4pp  
 13987 John Henry PAGE, Ellesmere Port...steam generators 2pp  
 14750 LEVER Bros Ltd & another...extraction of glycerine from salt in the soap-making process 6pp  
 15558 Richard MOORE, Runcorn...filling and closing packets 3pp  
 15593 James TODD, Birkenhead...fastening for smoke-box doors 3pp  
 18496 John FARLEY, Liscard...an advertising device 2pp  
 19479 Charles Edward TAYLOR, Rock Ferry; Ernest TAYLOR, Walton & Wm HEAD, Walton...bottles & like receptacles 3pp  
 20065 John TAYLOR, Stockton Heath...boring inverted conical holes 1pp  
 20880 Henry Norman LEASK, Egremont...apparatus for cooling water etc 4pp  
 20894 Wm Edgar & Francis Richard LEA, Runcorn...variable speed gears 5pp  
 20953 John CALLIE, Harland Rd, Birkenhead...ventilators 4pp  
 21076 Edward Thomas CLEATHERO, Altrincham...locking nuts, bolts 2pp  
 21141 John Alfred COWAP, Timperley...variable-throw cranks 2pp  
 21159 Peter JONES, Hr Tranmere...printers' mounting boards 2pp  
 21250 Wm Craven ELLIS, Bowdon...pneumatic tyres 5pp  
 22433 Leonard STUBBS, Lowland Rd, Runcorn...pressure regulators 4pp  
 25082 Cornelius GERRARD, Liscard...treating salt etc 6pp  
 27464 Wm Reginald ORMANDY, Bewsey Cottage, Warrington...packages for soap 3pp  
 27491 Harry Benwell STOCKS, Didsbury...internal combustion engine 6pp  
 27618 Allan Heathcote WILLIAMS, Greenbank House, Chester...internal combustion engine gears 3pp  
 27875 melville Graham CLAYTON, Wallasey...nuts and bolts 4pp  
 27968 Miles WALKER, Hale...dynamo electric machines 5pp  
 28691 James MILNE, dairyman, Birkenhead...sieves for mi k 3pp  
 28793 Harold George MACREADY, Seacombe...reversible steam turbines 6pp  
 30184 Hjalmar Rudman SCHULTZ, Brooklands...electric motor starters 4pp  
 30185 -do- automatic switches & circuit breakers 4pp  
 30234 Robert WILSON, Birkenhead...treatment of blood products 5pp  
 30271 FLETCHER RUSSELL & Co, John NEIL, Thomas Wm FLETCHER & Wm Arthur RUSSELL, Warrington...gas & water valve 2pp  
 30310 George MONK, Upton...casement windows 2pp  
 30541 James Neilson WALLACE, West Didsbury...indicators for engines 5pp

#### 1910

11521 Frank Knight WOODROFFE, Hoole Rd, Newton...analysing a gas 6pp  
 13364 FLETCHER RUSSELL & Co & Thomas Wm FLETCHER, Warrington...spray burners for brazing 2pp  
 20279 Frank Knight WOODROFFE, Newton...super heaters 3pp  
 20838 Alan KENDRICK, Hooton...tyre manipulating appliances 2pp  
 20912 John FARLEY, Liscard...advertising appliances 3pp  
 21357 George Henry LAURENSEN & Walter Trantom THORNE Egremont Promenade...making ice 6pp  
 23343 Alan KENDRICK, Hooton...tyre manipulating instrument 2pp  
 24111 Ernest EVANS, Liscard...oil extracting machinery 4pp

#### 1924

211197 John Arthur HIRST & Percy Smith BROOK, Northgate Works, Chester... safety devices for electric switch gear 2pp  
 215800 Henry David Llewellyn LLOYD, Warrington...wire nails 6pp

**1925**

244918 John GATES, Woodfield Rd, Altrincham...fireproof ceilings 5pp

**1934**

414128 Ernest SCRAGG & Co and Thomas Wm SCRAGG, Macclesfield...silk spinning machinery 3pp

414156 Frederick CHARLOTTE, Lacey St, Widnes & another...gas meters 3pp

414250 Andrew Stuart HORN, Prenton...writing nibs 3pp

**1938**

478071 Allan Heathcote WILLIAMS, Liverpool Rd, Chester...ammunition cases 5pp

**1939**

505230 FAIREY Aviation Co , Hayes & Frank Henry ORDIDGE, Wilmslow...mounting of guns on aircraft 2pp

512033 Norman Roy HOOD, Runcorn , Thomas Harold MEREDITH, Liverpool & ICI Ltd...de-greasing articles with volatile solvents 4pp

512076 Archibald Johnstone GEMMELL, Timperley...lathes 3pp

512080 DAVIES & METCALFE Ltd, Romiley...steam injectors 7pp

**1957**

772055 Ernest LEE, Appleton Grove, Sale...electrical counting apparatus 2pp

**I have similar lists for Liverpool, Southport, Bolton , Bury  
Manchester/Salford and Lancashire**

**Correct as at 13.1.08**

