

**Needle Makers.**

Hemming Richard & Son, Forge mills, Redditch, Worcestershire  
Milward Henry & Sons Limited, Washford mills, Redditch. 2 Grands Prix, Turin, 1911

**Oakum (Machine Picked) Manufacturers.**

Westhorps Limited, factory offices, West India Dock road, London E

**Office Stool & Chair Action Manufacturer.**

Fitter Joseph, Britannia works, Cheapside, Birmingham. See advt. p. xxx

**Paint Manufacturers.**

Fenner (N. J.) & H. B. Alder & Co. Ltd. 120 Fenchurch st.; works, Millwall, London. "Dog" & "Jockey" brands

**Paper Cutting Machine Mfrs.**

Greig John & Sons, Fountain House works, Edinburgh. Established 1810

**Patent Medicine Vendors.**

Hovenden R. & Sons Ltd. 30 to 33 Berners street w & 89 & 95 City road, London E.C. See advt. p. xxx

**Patentee.**

Fitter Joseph, Britannia works, Cheapside, Birmingham. See advt. p. xxx

**Pen Makers.**

Mitchell William (Pens) Ltd. Washington works, Bearwood road, Smethwick, Birmingham; London office, 8 Warwick lane E.C.

**Perfumers—Wholesale & Manufacturing.**

Hovenden R. & Sons Ltd. 29 & 33 Berners street w & 89 to 95 City road, London E.C. See advt. p. xxx  
Osborne, Garrett & Co. 51, 52, 53 & 54 Frith street & 8 & 11 Bateman street, Soho, London w; & at 8 Digbeth, Birmingham

**Photographic Apparatus & Material Manufacturers.**

**ILFORD LIMITED**, Ilford, London, England. Sole makers of **ILFORD** dry plates, papers & films. Telegrams: "Plates, Ilford"

**Pianoforte Hammer & Damper Felt Manufacturers.**

**WHITEHEAD R. R. & BROS. LTD.** 10 Endell street, London w c

**Plough Discs, Mould Boards & Shares.**

Tyzaek W. Sons & Turner Limited, Little London works, Sheffield. See advt. p. xxxi

**Printing Machine Mfrs.**

Greig John & Sons, Fountain House works, Edinburgh. Established 1810

**Pump Makers.**

Hayward-Tyler & Co. Ltd. 99 Queen Victoria street, London E.C.

**Pumping Machinery Manufs.**

Hughes & Lancaster Ltd. 16 Victoria st. Westminster, London s w; manufs. of Shone's ejectors for raising sewage &c. air compressors, rock drills &c

**Razor, Cutlery & Strop Mfrs.**

Osborne, Garrett & Co. razor & strop manufacturers.



Proprietors of the "Kropp," "Klein," "Elmo," "Carara," "Birr," "Ogee" & "Osgar" brands of razors, 51 to 54 Frith street & 8 & 11 Bateman street, Soho, London w; & at Birmingham

**Reaper & Mower Machine Knife Manufacturers.**

Tyzaek W. Sons & Turner Ltd. Little London works, Sheffield. See advt. p. xxxi

**Rennet Manufacturers.**

Fullwood R. J. & Bland, 31 Bevendon street, Hoxton, London N

**Saddle Felt Manufacturers.**

**WHITEHEAD R. R. & BROS. LTD.** 10 Endell street, London w c

**Sauce Manufacturers.**

Brand & Co. Limited, Mayfair works, Vauxhall, London s w. Air & other sauces

**Saw Manufacturers.**

Tyzaek W. A. & Co. Stella works, Hereford st. Sheffield. T A "Stella"  
Tyzaek W. Sons & Turner Ltd. Little London works, Sheffield. See advt. p. xxxi

**Screw Manufacturer.**

Fitter Joseph (square threaded), Britannia works, Cheapside, Birmingham. See advt. p. xxx

**Scythe, Sickle & Reaping Hook Manufacturers.**

Tyzaek W. A. & Co. Stella works, Hereford st. Sheffield. T A "Stella"  
Tyzaek W. Sons & Turner Ltd. Little London works, Sheffield. See advt. p. xxxi

**Seed Merchants.**

McNicken & Dixon, 36 Mark lane, London E.C. T A "Bryce, London"

**Sewing Machine Needle Manufacturers.**

Milward Henry & Sons Ltd. Washford mills, Redditch. 2 Grands Prix, Turin, 1911

**Sheep Shears Manufacturers.**

Ball Brothers & Co. Globe works, Penistone road, Sheffield. T N 2355

**Silversmiths.**

Goldsmiths & Silversmiths Co. Ltd. 112 Regent st. London w (only address)

**Slate Manufacturers.**

**DAVIES BROTHERS**, Portmadoc North Wales. Blue, red & green Welsh roofing slates, slate slabs &c

**Soda Water Machinery Mfrs.**

Hayward-Tyler & Co. Ltd. 99 Queen Victoria street, London E.C.

**Solicitors.**

Burn & Berridge, solicitors, commissioners & solicitors in England to the Government of Newfoundland, 11 Old Broad street, London E.C.

**Speaking Tube Manufacturers.**

Chain Bar Mill Co. Moston & 56 Newton street, Manchester  
Fitter Joseph, Britannia works, Cheapside, Birmingham. See advt. p. xxx

**Sponge Cloth Manufacturers.**

Chain Bar Mill Co. Moston & 56 Newton street, Manchester

**Square Threaded Screw Mfrs.**

Fitter Joseph, Britannia works, Cheapside, Birmingham. See advt. p. xxx

**Stained Glass Artists.**

Jones & Willis Ltd. 43 Great Russell street, London w c & at Edmund st. Birmingham

**Stair Treads.**

Sheath Brothers, 87 City rd. London E.C.

**Steam Fittings (Asbestos-Packed) Manufacturers.**

Devrance & Co. 165 Great Dover street, London S.E.

**Steam Gauge Manufacturers.**

Tomey Joseph & Sons Limited (steam pressure & vacuum), Catherine street, Aston, Birmingham

**Steam Hammer Makers.**

Massey B. & S. Ltd. Manchester; steam hammers & stamps fitted with patent expansive valve gear, patent friction drop stamps, patent pneumatic hammers, patent compressed air hammers, saws for metals &c. &c

**Steel Manufacturers.**

**EAGLE & GLOBE STEEL CO. LIMITED (THE)**, Dannemora steel works, Sheffield, Melbourne, Sydney, Kalgoorlie & Fremantle (Australian) agents for Seeborn & Dieckstahl Limited, Sheffield; manufacturers of "An Eagle on a Globe" brand of crucible cast steel for tools &c. "Capital" high speed steel, "D.S.W." water or oil-hardening steel; miners drill steel &c.; Tel. add. "Dannemora, Sheffield"; London office, 7 East India avenue E.C.

**Steel Manufs. & Merchants.**

Andrew Jno. Hy. & Co. Limited, Toledo steel works, Sheffield  
Tyzaek W. A. & Co. Stella works, Hereford street, Sheffield  
Tyzaek W. Sons & Turner Limited, Little London works, Sheffield. See advt. p. xxxi

**Steel Castings Manufacturers**

Hadfield's Steel Foundry Co. Limited, East Hecla works, Tinsley, Sheffield. —T A "Hadfield, Sheffield"

**Surgical Needle Makers.**

Milward Henry & Sons Lim. Washford Mills, Redditch. 2 Grands Prix, Turin, 1911

**Surveying & Drawing Instrument Manufacturers.**

**STANLEY W. F. & CO. LTD.** 4 & 5 Great Turnstile, Holborn & 286 High Holborn, London w c

**Surveying Instruments & Mining Apparatus.**

**DAVIS JOHN & SON (DERBY) LIMITED**, All Saints works, Derby, England; Cablegrams, "Davis, Derby;" Cable codes, A B C, 5th edition & Labor. Surveying instruments, transits, levels, dials &c. mathematical drawing instruments, miners' safety lamps, electric blasting apparatus, telephones, signals

**Table Expander Manufactr.**

Fitter Joseph, Britannia works, Cheapside, Birmingham. See advt. p. xxx

**Tea Machinery Manufacturers.**

Greaves' Engineering & Whitmee Ltd. Cole street, London S.E.

**Tinfoil Manufacturers.**

Betts & Co. Limited, 1 Wharf road, City road, London N

**Tinmen's & Coppermiths' Furniture Manufacturers.**

Banks & Davis Ltd. River street, Deritend, Birmingham.—T A "Seamless"; T N Central 697

**Tobacco Machinery Makers.**

Greig John & Sons, Fountain House works, Edinburgh. Established 1810

**Tobacconists' Sundriesmen.**

Hovenden R. & Sons Limited, 30 to 33 Berners st. London w & 89 to 95 City road, London E.C. See advt. p. xxx

**Tool Manufacturers—Mining.**

Tyzaek W. Sons & Turner Limited, Little London works, Sheffield. See advt. p. xxxi

**Tramway Material Manufs.**

Hadfield's Steel Foundry Co. Limited, East Hecla works, Tinsley, Sheffield. —T A "Hadfield, Sheffield"

**Tramway Point & Crossing Manufacturers.**

Hadfield's Steel Foundry Co. Limited, East Hecla works, Tinsley, Sheffield. —T A "Hadfield, Sheffield"

**Tramway Wheel & Axle Mfrs.**

Hadfield's Steel Foundry Co. Limited, East Hecla works, Tinsley, Sheffield. —T A "Hadfield, Sheffield"

**Tube Manufacturers.**

**MANNESMANNRÖHREN - WERKE**, Düsseldorf. Tubes for all purposes, weldless & lapwelded. Boring tubes. Spigot & faucet tubes. Steel cylinders, coils, iron drums

**Turbine Manufacturers.**

Armfield Joseph J. & Co. 20 Mark lane, London E.C.

**Vinegar Brewers.**

Grimble & Co. Ltd. Cumberland market, London N.W. (eight gold medals)

**Water Mains.**

Clayton, Son & Co. Ltd. (welded & riveted steel mains), Moor end, Hunslet, Leeds

**Web Manufacturers.**

**BIRD ROBERT & CO.** Crewkerne, Somerset, England. Manufacturers of saddlery & upholstery wools of all descriptions, also ready-made girths & rollers & horse clothing. Home & export. Telegrams, "Bird, Crewkerne"

**Whisky Distillers.**

Thom & Cameron Ltd. 93 Cheapside street, Glasgow & 23 Leadenhall street, London E.C.

**Whisky Merchants.**

Sanderson William & Son (of Leith), Forrest chambers, St. George's terrace, Perth, W. A.

**Whisky Mers. & Exporters.**

Thom & Cameron Ltd. Glasgow; & 23 Leadenhall street, London E.C.

**White Metal Manufacturers.**

Devrance & Co. 165 Great Dover street, London S.E. Original manufacturers of anti-friction metals

**Wire Netting Manufacturers.**

**BARNARDS LIMITED** (galvanized), Norfolk iron works, Norwich; speciality, patent machine-made rabbit proof mixed mesh netting. Sole makers. Buyers should specify "Barnards" or "Bury Bee" brand to ensure satisfaction; contractors to the Victorian Government

**BOULTON & PAUL LTD.** Norwich, England; galvanized wire netting our speciality; large shipments to all parts of the world; made in every variety of mesh from 4in. to 3in.; send for special estimates; large stocks, prompt deliveries

England, galvanized wire netting our speciality; large shipments to all parts of the world; made in every variety of mesh from 4in. to 3in.; send for special estimates; large stocks, prompt deliveries

**Wire Rope Manufacturers.**

**HAGGIE D. H. & G.** Wearmouth patent rope works, SUNDERLAND, England.

Manufacturers of locked coil, flattened strand & every description of wire ropes for mining, engineering, oil wells, aerial ropeways, street tramways & shipping purposes; galvanized extra flexible ropes a speciality. London offices, Dashwood house, 9 New Broad street E.C. Telegraphic addresses, "HAGGIE, SUNDERLAND" "MINUTELY, LONDON"

Australasian agents, Overall McCray Ltd. Macquarie chambers, 12 Loftus street, Sydney, N. S. W.

**NEWALL R. S. & SON LTD.** Lloyd's avenue, London E.C.; works, Linacre, Liverpool; manufacturers of wire ropes of every description. Contractors to the Admiralty, War Office &c.

London representative, A.S. Mumme Telegrams:—"Onoba, London"

**Woolen Manufacturers.**

**KENYON JAMES & SON LIMITED**; every kind of **BATTERY BLANKETING, STRAKE CLOTH, AMALGAMATION BLANKETING, GYANIDE & FILTER CLOTH, DOMESTIC BLANKETS** &c. &c.; every description of cloths for machinery purposes; Derby Street mills, Bury, Lancs.—T A "Kenyon, Bury." Mention name in requisitions to merchants. Trade mark, "Three Acrobats"

**WILSON J. J. & W. LIMITED**, travelling rugs & wraps, sealskin rugs, tweeds, horse kerseys, ruggings, collar checks & saddlers' wools, horse clothing &c. Castle mills, Kendal, England. Telegrams, "Wilson, Kendal"

**Writing & Copying Ink Mfrs.**

Antoine L. Fils & Co. (A. J. Miles, manager), 13 Rose street, Newgate street, London E.C.