

The WIGHT SeaPlane

CONSTRUCTED BY . . .

J. SAMUEL

WHITE & COY., LTD.,

EAST COWES, I.W.

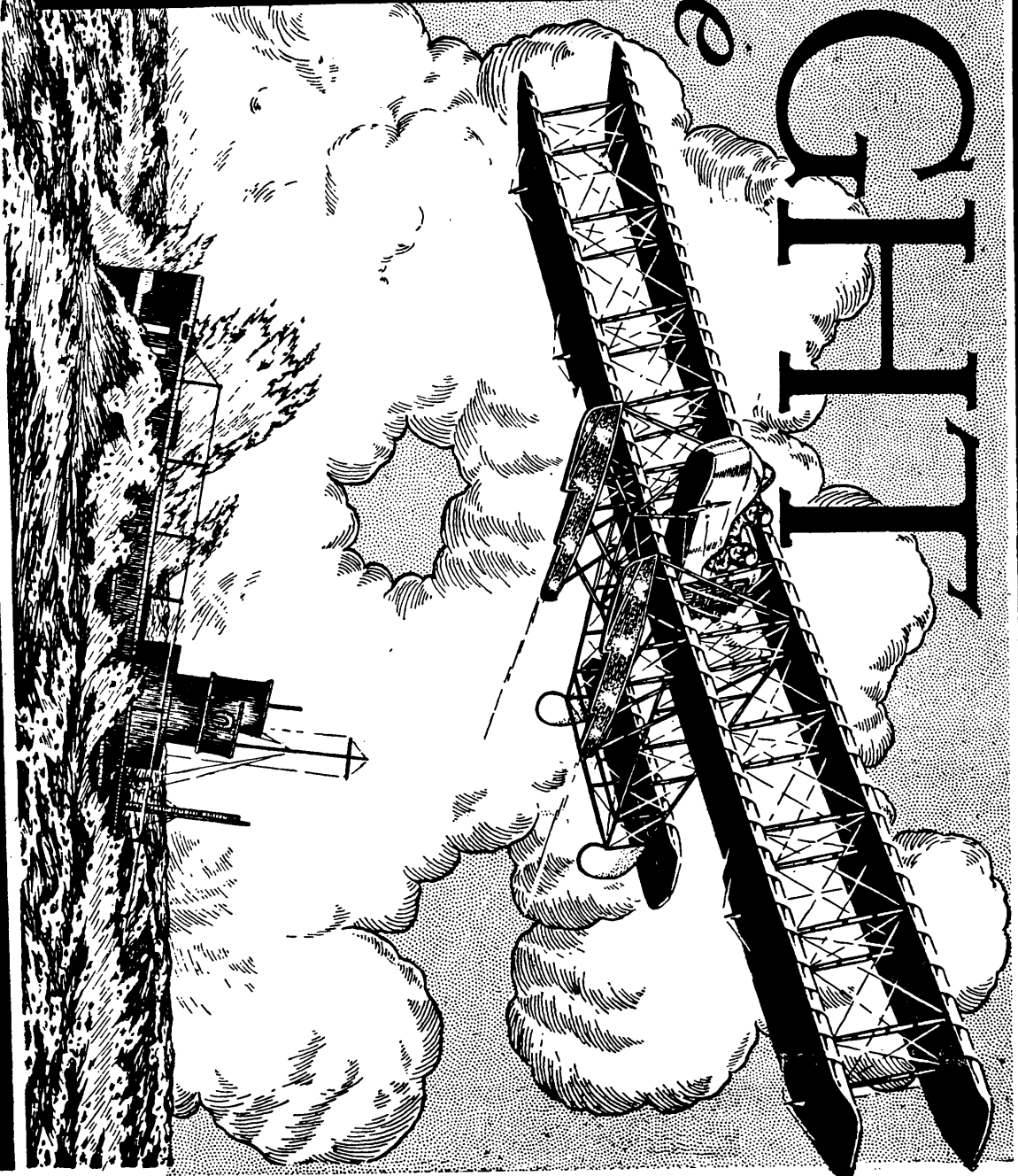
Telegrams: "WHITE, EAST COWES"
Telephone: No. 3.



London Office:
28, VICTORIA ST.,
S.W.

Telegrams:
"CARRAGE, LONDON."
Telephone:
No. 4507 VICTORIA.

Contract: B. H. Lander, 1915.



SHORT & MASON, LTD.

Scientific Instrument Manufacturers,

ANEROID WORKS, MACDONALD ROAD, WALTHAMSTOW,



LONDON, E.17.

ESTABLISHED 1864.

Manufacturers of Aneroid
Barometers and Barographs
for Aeronautical Purposes.

Contractors to War Office, Admiralty, India Board, Meteorological Office,
Canadian and S. African Governments, Australian Commonwealth, &c.

'Grams: "DOCIMACY-OX, LONDON."

AUTO-RADIATORS LTD.

CONTRACTORS TO H.M. GOVERNMENT.

MANUFACTURERS OF

RADIATORS, TANKS, COWLS,

AND ALL CLASSES OF

SHEET METAL PARTS

FOR

AIRCRAFT.

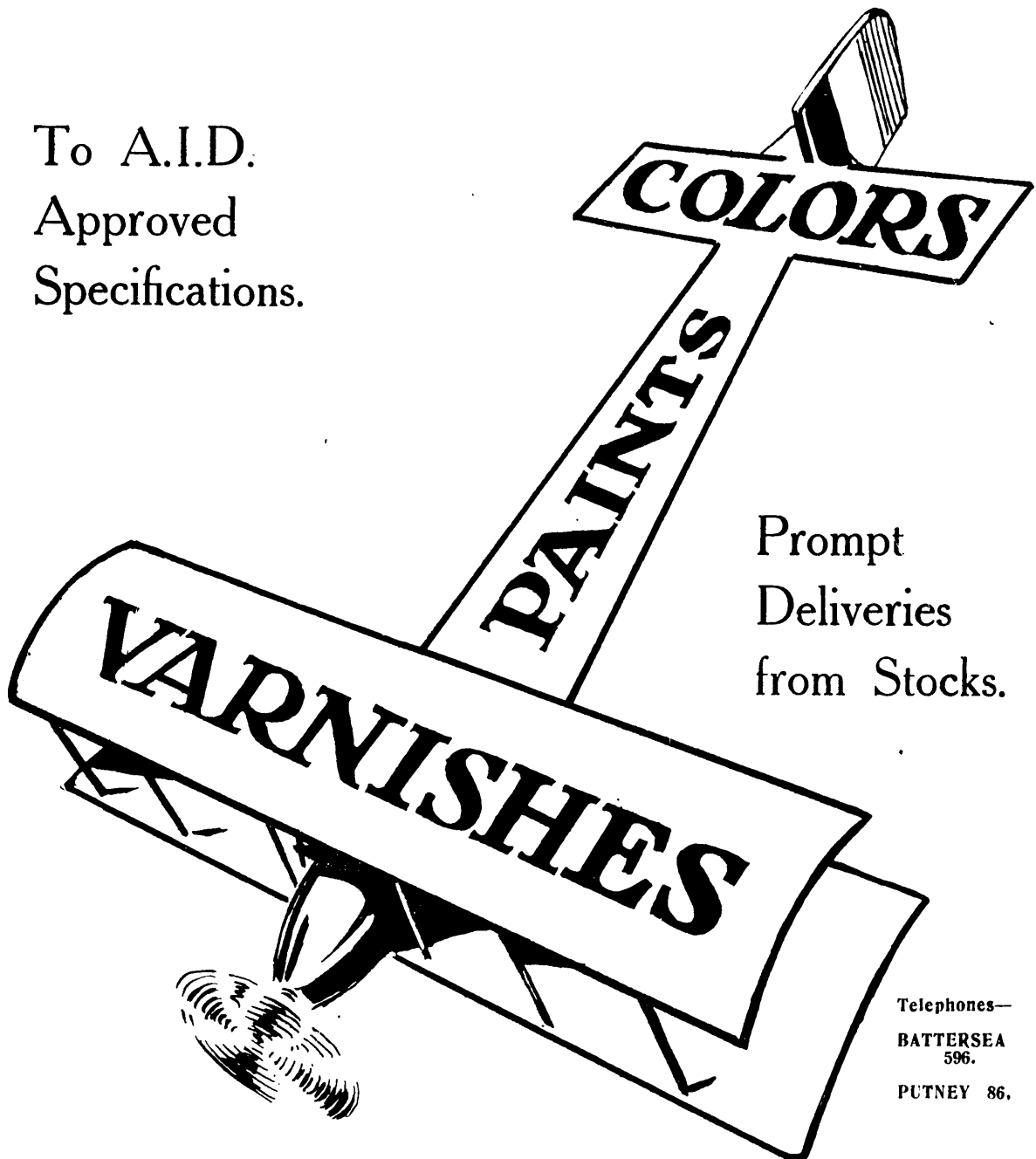
TO A.I.D. INSPECTION.

MANETTE STREET, CHARING CROSS ROAD,
LONDON, W. 1.

'Phone: REGENT 2362.

AIRCRAFT

To A.I.D.
Approved
Specifications.



Prompt
Deliveries
from Stocks.

Telephones—
BATTERSEA
596.
PUTNEY 86.

JOS. FREEMAN, SONS & CO., LTD.,

Manufacturers since 1776,

WANDSWORTH, S.W. 18.

Telephone 1550 Mid.

MUSGROVE & GREEN, Ltd.

BROMSGROVE STREET,

BIRMINGHAM.

AIRCRAFT SHEET METAL
 ——— SPECIALISTS. ———

Contractors to H.M. Government.

SALMSON AERO-ENGINES,

CANTON-UNNÉ SYSTEM.

DUDBRIDGE IRON WORKS LIMITED,
 STROUD, GLOS.

Telephone: 7 STROUD.
 Telegrams: "HUMRIDGE, CAINSCROSS."

London Office:—27, VICTORIA STREET, S.W. 1.
 Telephone: 7026 VICTORIA. Telegrams: 7026 VICTORIA, LONDON.

NOTE.—The Dudbridge Iron Works, Ltd. are the Sole Concessionaires for the British Empire for Salmson Engines.

RUBERY, OWEN & Co

DARLASTON
 Telephone
 87 Three Lines.

SOUTH STAFFS
 Telegrams:
 "Roofs, Darlaston"

ENGINE PLATES.
 EYEBOLTS.
 STRAINERS.
 BOLTS AND NUTS.
 COLD DRAWN
 STEEL TUBES.

PATENT RELEASE
 CEARS FOR
 AEROPLANES.
 FOXS PATENT
 WIRE BENDING
 PLIERS.

CONTRACTORS TO ADMIRALTY & WAR OFFICE.

WE MAKE BOLTS & NUTS, EYEBOLTS
 AND STRAINERS FROM 3^M/_M TO 12^M/_M
 DIA., OR LARGER IF REQUIRED.
 ENGINE BEARERS FOR GOVERNMENT
 MACHINES, VARIOUS DESIGNS.
 TUBULAR RUDDERS & ELEVATORS.
 STEEL RIBS AND CONTROL LEVERS.

WRITE FOR OUR ILLUSTRATED BOOKLET No. 3a
 FOR 1916. FREE.

A Coat that Defies the Wildest Weather

For the extreme conditions that the aviator is called upon to face—sudden changes of temperature—heavy rains—blizzards—THE BURFRON offers such ample security that it leaves every other flying coat “in the cart.”

The fatal defect of all previous coats has been the openings in front, through which it was an easy matter for wet or cold to penetrate. The

BURFRON

winds round the figure without openings anywhere to admit rain or wind, and is held together securely by one button at the neck.

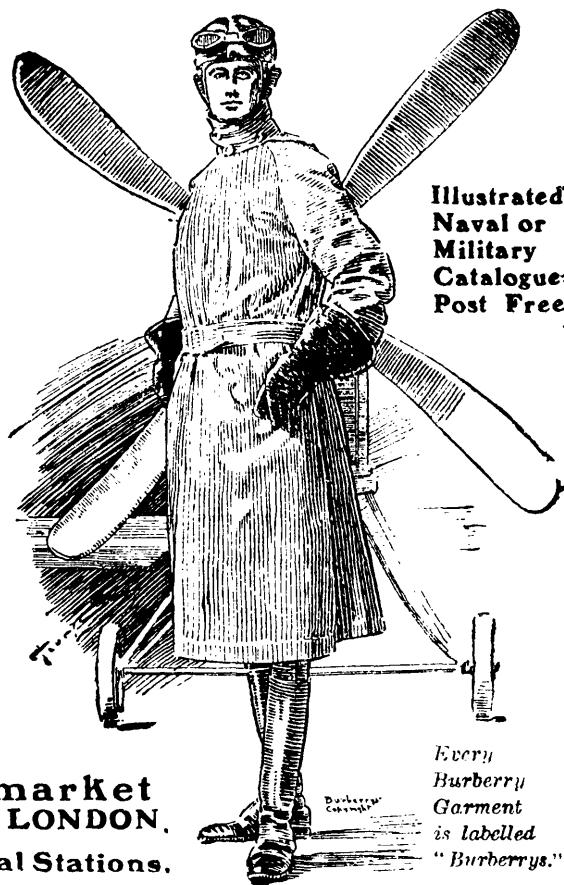
A belt has two advantages; (1) It snugs down the coat in cold weather; and (2) gives it a smart Service appearance.

THE BURFRON is made in the Burberry material chosen by Sir Ernest Shackleton for all his Polar Expeditions, and to make security doubly sure, and to maintain the warmth essential to comfort during long flights, it is lined with proofed wool, or thick Camel Fleece.

**Complete R.N.A.S. and R.F.C. Kits
in 2 to 4 Days or Ready for Use.**

BURBERRYS Haymarket
S.W.1. LONDON.

Bd Malesherbes PARIS and Agents in Naval Stations.



Illustrated
Naval or
Military
Catalogues
Post Free

Every
Burberry
Garment
is labelled
“Burberrys.”

The “BOWSER” Cane Aeroplane Seats

(Made under the A.I.D. to A.G.S. Drawing, 264.)

SUPPLIED TO THE ROYAL AIRCRAFT FACTORY, AND THE LEADING AIRCRAFT MANUFACTURERS.

MANUFACTURED BY—

EDWARD BOWSER, 50, Park Lane, LEEDS.

Tel. No.: CENTRAL 3473.

London Representative: Mr. HARRY LOVEDAY, 67, New Oxford Street, W.C.1.

ASPINALL'S ENAMELS, PAINTS AND VARNISHES.

WATERPLANE, AEROPLANE AND AIRSHIP SPECIALITIES.

EGGSHELL GREY ENAMEL FOR FUSELAGES.
WIRE ENAMELS.
AIR DRYING AND STOVING ENAMELS.

WOODWORK COPAL VARNISH FOR
SPARS, RIBS AND STRUTS.
AIR DRYING AND STOVING VARNISHES.

ASPINALL'S ENAMEL LTD.,

Varnish Works: MITCHAM.

NEW CROSS, LONDON, S.E.

ESTABLISHED 1885.

AIRCRAFT FITTINGS.

GABRIEL & Co.

Manufacturers of Aeroplane Fittings
in Brass, Copper, Gun Metal Bronze
and Clarus Aluminium.

Castings supplied either machined complete or in
the rough.

Sheet Metal Work in Brass, Copper, Steel, Tin or
Aluminium, including Spinnings, Stampings
and Pressings.

Tube Bending and Canstan Work a Speciality.

Contractors to Admiralty, War Office,
Ministry of Munitions, H.M. Air Board,
Royal Aircraft Factory and Crown Agents
for the Colonies.

Telegraphic Address : **4 & 5, A.B. ROW,**
"Gabriel, Birmingham."
Telephone : **BIRMINGHAM.**
Central 1223.

FERRO - SILICON, FERRO - CHROME, FERRO - VANADIUM.

FERRO-PHOSPHORUS, FERRO-TITANIUM,
FERRO-TUNGSTEN, FERRO-MOLYBDENUM,
NICKEL, COBALT, ALUMINIUM,
SILICO-MANGANESE, ETC.

FLUOR - SPAR.

MANGANESE METAL, CHROMIUM METAL,
CUPRO-MANGANESE, CUPRO-VANADIUM,
ALUMINIUM MANGANESE.

PHOSPHOR-TIN. PHOSPHOR-COPPER.

COPPER - ALLOYS.

A. E. DUNSTAN,
Bank Chambers,
FARGATE, SHEFFIELD.

Telegrams: "CONCAVE, SHEFFIELD."
Telephones: **3543 & 4899.**
Code---ABC 5th Edition.

THE . . .

COWPER-COLES AIRCRAFT Co., Ltd.

(Government Controlled Establishment),

SUNBURY-ON-THAMES.

Telephone : **SUNBURY 37.**

THE "LIQALL" SAFETY PETROL FILLER. INVALUABLE FOR AEROPLANES.

NO WASTE—PERFECT ECONOMY BOTH OF PETROL AND TIME—
FREEDOM FROM ACCIDENT RISK—ABSOLUTE CLEANLINESS.

*Various Types, with or without Flexible Steel Extension Tube, Can
Opener, Etc.*

PATENTEES AND MANUFACTURERS—

THE SAFETY PETROL FILLER CO., LTD.,
BEDFORD PLACE, NORTHAMPTON.

CONTRACTORS TO THE BRITISH GOVERNMENT.

BIRMINGHAM { TELEPHONE: EDGBASTON 364. TELEGRAMS: "SYRINGES, BIRMINGHAM." } LONDON { TELEPHONE: LONDON WALL 904. TELEGRAMS: "MYSTOCULT AVE, LONDON." }

ESTABLISHED 1865.



W. T. FRENCH & SON,

General Brassfounders and Sheet Metal Workers,
LADYWOOD, BIRMINGHAM.

London Office and Showroom:
SPENCER HOUSE, SOUTH PLACE & WILSON STREET, LONDON, E.C.2.

Enquiries Solicited for—
PETROL TANKS, PETROL COCKS, PUMPS, LATHE
and MACHINE BRASS WORK, PRESS WORK, Etc.

TERRY

for

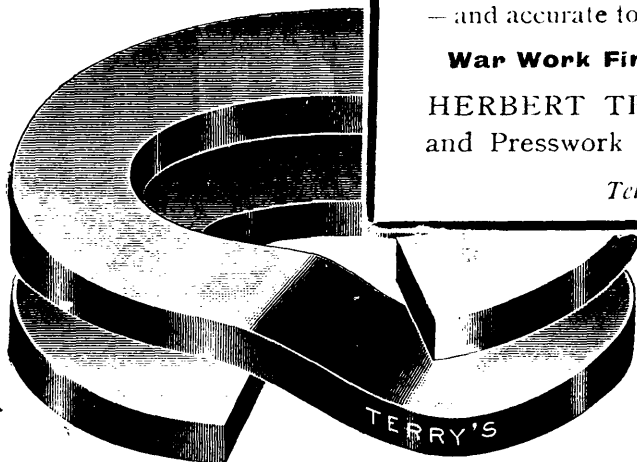
All Kinds of Washers.

OUR Washer Department is one of the best equipped in the world. We have the capacity for producing any pattern—in any metal—any finish—any quantity—all high grade quality — and accurate to size.

War Work First—We will help you if we can.

HERBERT TERRY & SONS, Ltd., The Spring and Presswork Specialists, REDDITCH England.

Telephone No. 61 Redditch.



WE have more than 60 highly organised Departments making Springs and Presswork.

JOHN LEVICK, LIMITED,
METAL SPINNING WORKS,
ALMA STREET, ASTON, BIRMINGHAM.

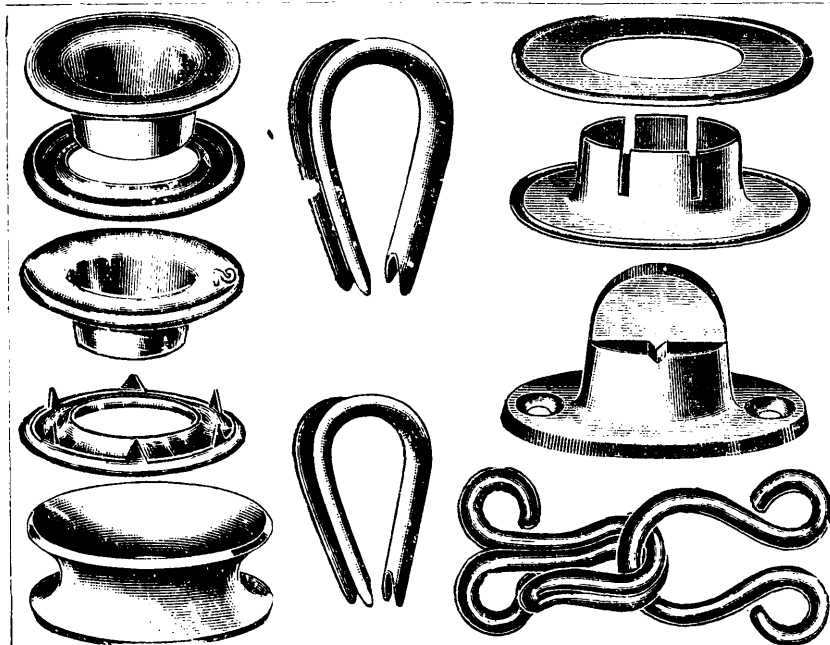
MANUFACTURERS OF
 HIGH-CLASS SPINNINGS IN ALL METALS,
 SPECIALITIES FOR AIRCRAFT APPLIANCES,
 MANŒUVRING VALVES, GEAR CASES,
 ETC., ETC.

Telegrams: "LEVICK, BIRMINGHAM"

National Telephone { No. 340 CENTRAL.
 No. 341 ..

HERBERT, KERSHAW & CO., LTD.,
 HIGHGATE WORKS,
HIGHGATE STREET, BIRMINGHAM.

Contractors to
 H.M.
 War Office
 and
 Admiralty.



Telegrams :
 "Duplex,"
 Birmingham.

Telephone :
 Midland 511
 (2 lines).

SPECIALITIES
FOR
AIRCRAFT.

Heart Shaped Thimbles (all sizes used by Government).
 Eyelets and Rings, Spur Teeth Grommets, Hooks and Eyes.
 Turn Buttons and Eyelets, Round Thimbles,
 Heart Shaped Thimbles for Kite Balloons.

— — PRICES ON APPLICATION. — —

“ NIEUPOORT ”

AND —

General Aircraft Company, Ltd.

Contractors to H.M. Government.

REGISTERED OFFICE AND WORKS :

**LANGTON ROAD, CRICKLEWOOD,
LONDON, N.W.2.**

Telephone (3 lines) :
WILLESDEN 2455.

Telegrams :
NIEUSCOUT, CRICKLE, LONDON

FINDLAY'S SPECIAL MOTOR METAL.

No. 1.



Samples
Free.

THE APPROVED BEARING ALLOY FOR AERO ENGINES.

WE SUPPLY METAL IN INGOTS.

We line under pressure to close limits Steel and Gun Metal Shells. Perfect Adhesion & Bell Ring.
Freedom from Air Holes. Compact and Dense Metal Structures.

We supply Die Cast Bearings and Bushes to limits .001.
Oil Holes and Oil Grooves cast in.

GLACIER ANTI-FRICTION METAL CO., LTD., Telephone :
Willesden 1882.

WALDO ROAD, WILLESDEN JUNCTION, N.W.10.

JOHN REMER & Co.,

14, DALE STREET LIVERPOOL.

SPECIALISTS IN
AIRCRAFT TIMBERS.

English Ash,
 Hickory,
 Black Walnut,
 Silver Spruce,
 Mahogany,
 3-ply Boards.

'Phone : 7000 Central.

:::

Telegrams : "Remcoy, Liverpool."

Telephones { 5892 } Holborn.
 { 6437 }

... THE ...
BRITISH RADIUM CORPORATION,
 LIMITED.

MANUFACTURERS OF
Luminous Radium Compound
to Government Specification.

1A Quality—each 5 grams certified by the National Physical Laboratory.



MINE :
 ST. IVES.
 CORNWALL.

WORKS :
 ELMERS END,
 KENT.

OFFICES :
 44, BEDFORD ROW,
 LONDON, W.C.

DIE CASTINGS.

**AERONAUTICAL
ASSEMBLISTS**

FINDINGS MARKINGS
ENGRAVING
AND ALL UP-TO-DATE
REQUISITIONS
OF COMPONENT PARTS

SHEET METAL WORK A SPECIALITY.

H. B. SALE, LIMITED,

AVIATION DEPT., SUMMER LANE,

BIRMINGHAM.

TELEPHONE: CENTRAL 361 (2 LINES).
TELEGRAMS: "SALE," BIRMINGHAM.



BRAND

FLUXES

For Oxy-Acetylene Welding.

Manufactured from reliable formulæ and under control of a recognised
Oxy-Acetylene Welding Expert.

FLUXES FOR

**CAST IRON, MEDIUM & HARD STEELS, COPPER, BRASSES,
BRONZES, STEEL CASTINGS, and ALUMINIUM and its ALLOYS,
etc. SILICATED CAST IRON RODS "made to specification."**

ALL PASS A.I.D. TESTS.

Price List and information or any class of Welding on application to
The DISTRICT CHEMICAL Co., Ltd.,
1, Fenchurch Avenue, London, E.C.3.

JAMES PUTMAN, Southern Works, **AYLESBURY,**

**Manufacturer of Aero Hangars and
every Description of Canvas Work.
Seven and a half Acres of Workshops.**

Contractor to Air Board, War Office, Admiralty,
Ministry of Munitions & H.M. Office of Works.

'Phone: 57 Private Branch Exchange.
Telegrams: "Putman," Aylesbury.

— J. & R. WHYTE, —

WIRE GAUZE IN ALL MESHES AND IN ALL METALS,
SPECIALISTS IN
**Wire Brushes for Shell Cleaning, Foundry Use,
Boiler Tube Cleaning, etc.**

= = Wire Work of all kinds.

CONTRACTORS TO WAR OFFICE, ADMIRALTY, INDIA OFFICE, Etc.

MILNBANK WORKS, ALEXANDRA PARADE, GLASGOW.

BILLINGTON & NEWTON, Ltd., LONGPORT, STAFFORDSHIRE.

Non-Ferrous Alloy Manufacturers,
PHOSPHOR TIN, PHOSPHOR COPPER,
PHOSPHOR BRONZE, MANGANESE BRONZE,
AND COPPER HARDENED ANTI-FRICTION METALS.

CHAMBON LIMITED.

CONTRACTORS TO H.M. GOVERNMENT,
208-210, Tower Bridge Road, LONDON, S.E.1.

Telephones:
HOP 2819 & 1712.


Telegrams:
"CHAMBONTEDE BERM, LONDON."

WORKS:
PARIS & LONDON.

**Engravings of all descriptions, Steel Stamps, Marks,
Brands, etc.**

Mathematical Dividing and Engraving.

Gauges, Jigs & Small Work or Tools of Great Accuracy.



Bowden
Wire Ltd.
London

TRADE MARK

BEING wholly engaged upon production for the British and Allied Governments, we regret that we are unable for the present to execute any orders for private purposes.

Established 1897.

Victoria Road, Willesden Junction, N.W. 10.

Godbolds.

AIRSHIPS, LTD.,

Manufacturers of Airships and Kite-Balloons.

CONTRACTORS TO THE ADMIRALTY.

London Office :
47, VICTORIA STREET, S.W. 1.

Works :
HIGH STREET, MERTON and HENDON.

Spars, Ribs, Struts, Etc.

Complete Planes, 

 Ailerons, Elevators.

CENTRAL AIRCRAFT Co., 179, High Road,
KILBURN,
N.W. 6.

(R. CATTLE). HAMP. 4728.

'CROID'

The most Dependable Glue for all Aeronautical Work.

Used by H.M. Admiralty and War Office and by leading Manufacturers because of its superiority.

APPROVED BY THE 'A.I.D.'

"Standard" Strength for Class 2 Work, Ribs, etc.
 "Extra" Strength for Class 1 Work, Spars, etc.

THE STRONGEST AND BEST GLUE IN THE WORLD—USED COLD.

Specify 'CROID' Liquid Glue for your next supplies. Full particulars from the Sole Manufacturers:—


THE IMPROVED LIQUID GLUES CO., LTD., Great Hermitage Street, London, E.1.
CONTRACTORS TO H.M. GOVERNMENT.

Contractors to H.M. ADMIRALTY and WAR OFFICE.

INTEGRAL PROPELLERS

(L. CHAUVIERE.)

HOLD THE WORLD'S RECORDS



AND ARE UNIVERSALLY RECOGNISED AS THE BEST

MAXIMUM EFFICIENCY combined with PERFECT WORKMANSHIP.

Prices and Particulars from—

THE INTEGRAL PROPELLER COMPANY, LTD.,
EDGWARE ROAD, THE HYDE, HENDON, LONDON, N.W.9.



ALUMINIUM CASTINGS



COAN CASTS CLEAN CRANK CASES



R.W. COAN

Aluminium Foundry

219, GOSWELL RD. LONDON, E.C

TELEGRAMS, KRANKASES, ISLING, LONDON. TELEPHONES, 3846 CITY 4879 CENTRAL

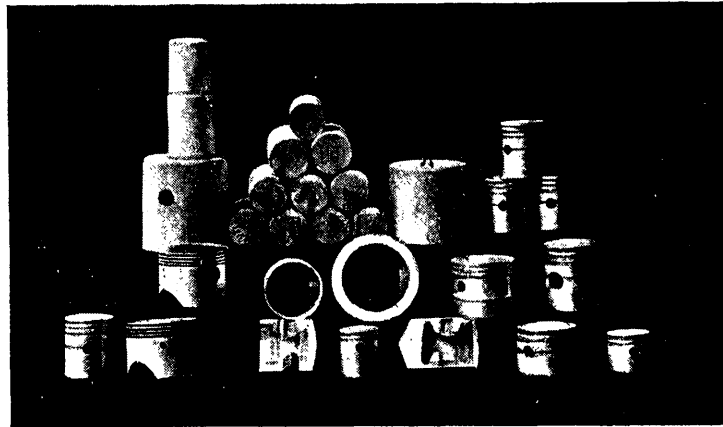
Contractor to H.M. Government



ALUMINIUM CASTINGS.

Messrs. ROWLAND HILL & SONS, Ltd.

CRANK CASES,
GEAR BOXES,
PISTONS, &c.,
FOR
AEROPLANE
AND OTHER
WORK.



ALLOYS MIXED
TO SUIT
CUSTOMER'S
REQUIREMENTS.

STANDARD
ALLOY.

VIRGIN METAL
ONLY EMPLOYED.

ADDRESS ALL ENQUIRIES TO:— SALES REPRESENTATIVES:

E. T. WHITE & CO.,

ENGINEERS,

5190

WINDSOR HOUSE, KINGSWAY,

LONDON, W.C.2.

TELEPHONE: REGENT 5931.

TELEGRAMS: "AUTOMETAL,
WESTCENT, LONDON."

WHY WASTE TIME

Fitting Split Pins ?

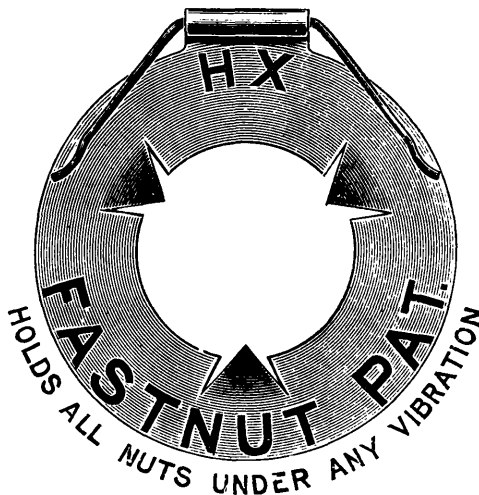
ONE FIRM USING

OVER

200,000

A MONTH.

SAMPLES FREE.



SPECIFIED AND USED
by the
WAR OFFICE
and
ADMIRALTY.

WE DEVELOP AND
PURCHASE GOOD
MECHANICAL PATENTS.
AGENTS WANTED.

FASTNUT WASHERS Are Safer & Require No Fitting.

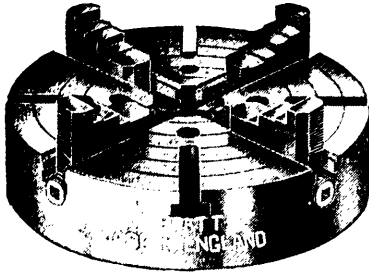
WE WILL SUPPLY ANY QUANTITY FREE FOR USE ON A
GUARANTEE OF GIVING US ONE-HALF THE AMOUNT WE SAVE.

FASTNUT, 159/161, Great Portland Street, W.1.

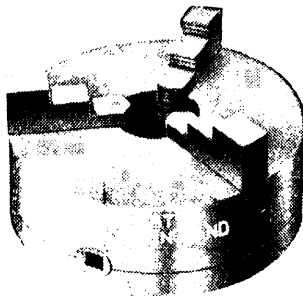
TELEPHONE: CENTRAL 12214

TELEGRAMS: FASNUT. CENT. LONDON.

BRITISH MADE



INDEPENDENT 4-JAWED CHUCKS.



3-JAW GEARED SCROLL CHUCKS.

MANUFACTURED BY

F. PRATT & CO., LTD.,

EAGLE IRONWORKS,

HALIFAX, ENGLAND.

Telegrams: "PRATT, HALIFAX." Telephone: No. 161.

**When Ordering Your
Next Glasses have
them made of . . .**

Anti-Glare Protective Glass

Prepared from the formula of
Sir WILLIAM CROOKES, O.M., F.R.S.,
in his Research Laboratory in 1917.

**MANUFACTURED BY F. MELSON WINGATE
FOR**

**The Anti-Glare Glass Co.,
AND**

Melson Wingate, Ltd.,

Manufacturing Opticians,

**30, WIGMORE STREET,
LONDON, W.1.**

P

**FOR
AERO ENGINES.**

U

**OIL,
AIR,
WATER,
PETROL.**

MANUFACTURED BY

M

THE

SELSDON

AERO & ENGINEERING CO., L^D.

**IMPERIAL HOUSE,
KINGSWAY, W.C. 2.**

P

S.

**TAPES, WEBS,
CORDS &
THREADS,
— FOR —
AIRCRAFT
WORK**



**JOHN MACLENNAN
& Co**
30, Newgate St., London. E.C. 1
Phone. CITY 3115. (and at Glasgow.)
Contractors to H.M. Government.

QUOTATIONS WITH SAMPLES BY RETURN.

GENUINE CASTOR OIL
IS THE ONLY SAFE LUBRICANT
FOR AIRCRAFT.

**“NESTOR”
SOLUBLE OIL**

**USED ON WAR SERVICE FOR SCREWING
AND BORING PURPOSES.**

“NESTOR” Brand is acknowledged to be the strongest, most economical and efficient miscible oil in every respect, proof of which is the great demand for it from Munition Firms in all parts of the United Kingdom and allied countries.

MOTOR OILS, ETC.

**THE
RELIANCE LUBRICATING OIL COMPANY,
Limited,
19 & 20, WATER LANE, GREAT TOWER ST.,
LONDON, E.C. 3.**

Telephone No.: 5891 Avenue.
Telegraphic Address: “SUBSTRAL, LONDON.”
A.B.C. Code used, 5th Edition.

HYDROGEN

Manufactured in England. Guaranteed Constant Purity, 99%

OBTAINABLE IN CYLINDERS FROM STOCK IN LARGE
:: OR SMALL QUANTITIES FROM THE WORKS OF ::

THE BRITISH OXYGEN Co., Ltd.

LONDON: Elverton Street, Westminster, S.W. 1.
Tunnel Avenue, East Greenwich, S.E. 10.

BIRMINGHAM: Saltley Works, Birmingham.

CARDIFF: East Moors.

MANCHESTER: Great Marlborough Street, Manchester.

NEWCASTLE-UPON-TYNE: Shields Road, Walker Gate,
Newcastle-upon-Tyne.

GLASGOW: Rosehill Works, Polmadie, Glasgow.

SHEFFIELD: Celtic Works, Saville Street, Sheffield.

SYDNEY. N.S.W.

**WILLIAM MOSS,
FOR AIRCRAFT FITTINGS.**



Telephone: GERRARD 6731.

Telegrams: AIROBILMOS. PHONE.

52, HIGH STREET, NEW OXFORD STREET, W.1.

(Facing Tottenham Court Road.)

**MUNITION OVERALLS for Men and Boys.
JACKETS AND OVERALLS**

In Bluette, Dungaree, Blue and Brown Denims, etc.

FOR WOMEN WORKERS.

OVERALLS, TUNICS, TROUSERS, AND CAPS

In Khaki and Blue Drill (Service Colours). WHOLESALE ONLY.

These Garments give the strictest utility combined with smartness that it is possible to produce Absolutely protecting the wearer from the dirt and grease; they are indispensable.

**Made by WM. SUGDEN & SONS,
W.L.B. Mills, CLECKHEATON.**

'Phone: 315 and 316.

'Grams: "Sugden, Cleckheaton 315."

QUICK DELIVERIES.

CASTINGS

KEEN PRICES.

ALUMINIUM,

PHOSPHOR BRONZE,

GUN-METAL,

MANGANESE BRONZE,

BRASS, ETC.,

TO ANY SPECIFICATION.

CUPRO-NICKEL BILLETS.

ANTI-FRICTION METALS.

T. M. BIRKETT & SONS, Ltd., HANLEY, STAFFS.

TELEPHONE: No. 284.
TELEGRAMS: "BIRKETT, HANLEY."

CONTRACTORS TO THE ADMIRALTY, WAR OFFICE, ETC.

ORIENTAL
for TUBES.

When you require Steel Tubes for Aircraft work consult us—we are specialists in the manufacture of Seamless Steel Tubes and can offer you the highest quality tubes at keenest prices. Send us your inquiries—we can effectively meet your needs.

ORIENTAL TUBE Co., Ltd., West Bromwich, B'ham.

Telegrams: "Tubes, West Bromwich."

Telephone: 45 West
Bromwich.

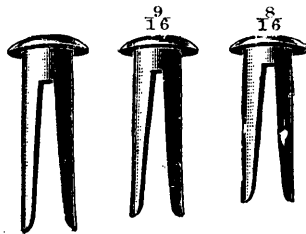


B.G.L. Metal Components for Aircraft

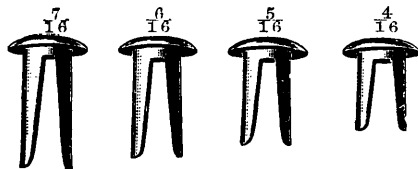
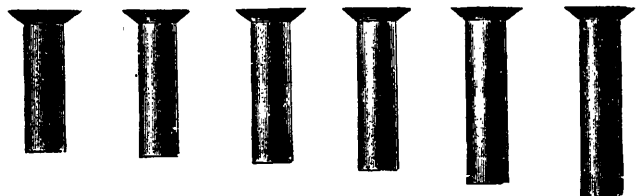
Tanks, Exhausts, Fins, Rudders
Empennages, Spar Boxes
Sockets, Wiring Plates & Levers

The Birmingham Guild Ltd.
Great Charles St., Birmingham

BIFURCATED & TUBULAR RIVETS



IN STEEL,
COPPER,
OR BRASS.



AEROPLANE EYELETS.

SOLID RIVETS COPPER, IRON OR STEEL, AND WASHERS.

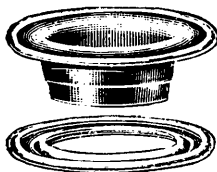


Bullet Heads, Cup Heads, Countersunk Heads, Flat Heads.

PUSH BUTTONS.

TURN BUTTONS.

EYELETS.



Gilt
Fancy.

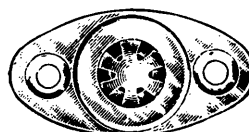


Plate Fitting for
Motor Hoods.



Roller Buckles, Sack and Sail Eyelets, Boot Eyelets, Lacing Hooks,
Push Buttons, Escutcheon Pins, Cotter Pins, Motor Hood
Turn Buttons, and other Metal Novelties.

PRICES, SAMPLES AND FULL PARTICULARS BY WRITING.

THE BIFURCATED & TUBULAR RIVET Co., Ltd., AYLESBURY, BUCKS,
and 235, Upper Thames Street, London, E.C. 4.

USERS OF AIRCRAFT
KNOW THAT

EXPERIENCE

IS AN
ADVANTAGE
IN
AIRCRAFT CONSTRUCTION.

CONTINUALLY
SINCE
1907

James H. Randall & Son

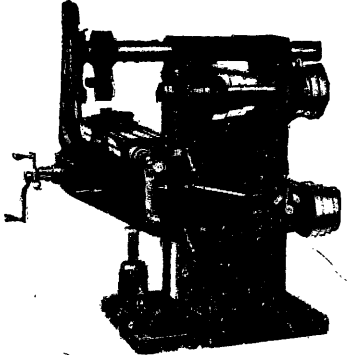
(J. H. Randall & J. E. Randall)
HAVE MANUFACTURED
**TANKS,
RADIATORS,
PIPES, &c.,**
FOR AIRCRAFT.

GREEN ST. WORKS,
PADDINGTON GREEN,
LONDON, W.2.

TELEPHONE 6310—1 Padd. ESTABLISHED 1851.

THE FORD-SMITH PLAIN MILLING MACHINE.

...
EMBODIES BEST PRACTICE
For Heavy Duty Milling.



DELIVERY—
No. 2 Size FROM SHIPMENT NOW
EN ROUTE
No. 3 „ EX-STOCK AT WORKS.

...
SOLE IMPORTER—
W. EDWARD STOREY,
M.I.MECH.E.,
3, ARUNDEL STREET, LONDON, W.C. 2.

Aeroplane, Kite and Balloon Cordage

TO ADMIRALTY AND WAR OFFICE SPECIFICATIONS.

KENYON'S P.I. COTTON ROPE

ALL SIZES. BREAKING STRAIN GUARANTEED. List on Application.

WM. KENYON & SONS, Ltd.,

Telephone 494 ASHTON. DUKINFIELD, CHESHIRE.
Telegrams "KENYON, DUKINFIELD."

Branch Works at Walton-le-Dale, Preston, and Armentieres, France.

AMABESTINE



We can make *any* joint of *any* shape and of *any* thickness at the shortest notice on the premises to your blue print or template.

WALLACH BROS. L^{TD.},

49, TABERNACLE STREET
LONDON, E.C.2.

COMPRESSED ASBESTOS. FIBRE JOINTING. Telephone 3796 London Wall.

TELEPHONE 575. **BURT BROTHERS,** TELEGRAMS : "STEW PAN."
BIRMINGHAM.
 ESTABLISHED 150 YEARS.
 Manufacturers of Every Description of
NON-FERROUS SHEET METAL WORK.
 FLOATS. FIRE-CONTROL GEAR. CLIPS. VENTILATORS. HOODS, ETC.
 Stampings, Drawings to 24in. diam. × 12in. deep, Spinnings to 50in. diam.

BRITISH ROLLING MILLS, Ltd.,
Cliveland Street, BIRMINGHAM.
 Telephone: Central 1869, 1870 P.B. Ex. :: :: Telegrams: "OCTAGON."
 BRIGHT COLD ROLLED STEEL FOR AEROPLANE PARTS
 IN STRIPS, COILS, AND SHEETS.
**SPECIAL QUALITY STEEL FOR DEEP STAMPING
 AND DRAWING.**

Aeroplane Steel Sheets and High Grade Steels
TO THE ADMIRALTY AIR DEPARTMENT AND ROYAL AIRCRAFT FACTORY
SPECIFICATIONS.
 Sheets in Stock Passed and Stamped by the Royal Naval Air Service,
 and Aeronautical Inspection Department.
BERNARD NICKLIN & CO.,
 Iron and Steel Warehouse,
 Telegraphic Address: "BERNICO, BIRMINGHAM."
 Telephone No.: SMETHWICK 224. **SMETHWICK, BIRMINGHAM.**

THOMAS HILLS MOTOR FITTINGS CO.
 LIMITED.
 SPECIALISTS IN
AIRCRAFT SHEET METAL WORK
 COWLING. TANKS. WELDING, ETC.
PREMIER WORKS, Temple Street, WOLVERHAMPTON.

Y.E.S. TELEGRAMS: "YES, LEEDS." Y.E.S. TELEPHONE: 3927 CENTRAL.

Y.E.S. 'EATONIA CAST' PHOSPHOR BRONZE.

THE ONLY CONSISTENTLY HOMOGENEOUS
CASTINGS PRODUCED.

AS SPECIFIED BY THE R.A.F. AND LEADING DESIGNERS
AND BUILDERS OF

AERO ENGINES.

ALL SPECIFICATIONS OF R.A.F. UNDER A.I.D. INSPECTION.
ALSO
SPECIFICATIONS OF R.N.A.S.

YORKSHIRE ENGINEERING SUPPLIES, LTD.,
UPPER WORTLEY ROAD, WORTLEY, LEEDS.

SOLE PRODUCERS AND SELLERS.

Y.E.S. Y.E.S.

To AIRCRAFT MANUFACTURERS

A Firm at present largely employed in making
All Component Parts for Sea and Land
Planes, with unique **Wood-working** plant,
having large stocks of Timber and command of
finest grade **Silver Spruce**, would be willing to
undertake **anything** calculated to help designers,
suppliers and builders of **Aircraft Machines**.

JOSEPH EVANS & CO., LIMITED,
LIVERPOOL STREET MILLS, BIRMINGHAM.

THE BLACK SEA TIMBER CO.

PLYWOOD MANUFACTURERS
AND IMPORTERS.

COLLIER ST., NEAR PARACON STATION, HULL.

Telephone—2881 & 3984.
Telegrams—"Threeply, Hull."
Proprietor—James Hurwite, Russia

All prices are quoted per 100 Sq. Ft. nett, Cash against Transfer, and are subject to alteration by us according to market fluctuations.

3-PLYWOOD SPECIFICATION.

Ex LONDON.

4 m/m ALDER, 1st Quality, at 95/-

27 Packages of 20 Boards,	60 x 46
13 " " 20 " "	60 x 45
17 " " 20 " "	60 x 44
6 " " 20 " "	60 x 42
1 " " 20 " "	60 x 42
40 " " 20 " "	59 x 45
3 " " 20 " "	59 x 44
2 " " 20 " "	59 x 43
23 " " 20 " "	58 x 43
1 " " 20 " "	41 x 32
4 " " 25 " "	41 x 32
5 " " 25 " "	44 x 31
1 " " 25 " "	44 x 30
6 " " 25 " "	43 x 29
1 " " 25 " "	43 x 28
1 " " 25 " "	42 x 31
1 " " 25 " "	42 x 29
1 " " 18 " "	40 x 39

4 m/m BIRCH, 1st Quality, at 100/-

314 Boards	60 x 36
17 " " " " " "	60 x 31
7 " " " " " "	60 x 32
4 " " " " " "	60 x 30
3i " " " " " "	58 x 36

3 Boards	58 x 31
2 " " " " " "	58 x 30
10 " " " " " "	56 x 36
1 " " " " " "	56 x 30
8 " " " " " "	54 x 36
1 " " " " " "	52 x 31
1 " " " " " "	48 x 36

5 m/m BIRCH, 1st Quality, at 120/-

216 Boards	72 x 34
567 " " " " " "	66 x 34
7 " " " " " "	72 x 32
4 " " " " " "	72 x 30

6 m/m BIRCH, 1st Quality, at 130/-

123 Boards	60 x 36
-------------------	---------

4 m/m ALDER, 2nd Quality, at 85/-

12 Packages of 20 Boards	61 x 45
13 " " " " " "	45 x 40
12 " " " " " "	58 x 46
6 " " " " " "	48 x 48
2 " " " " " "	46 x 41

3 m/m ALDER, 2nd Quality, at 75/-

31 Packages of 25 Boards	44½ x 36½
--------------------------	-----------

3 m/m BIRCH, 1st Quality, at 85/-

1 Package of 30 Boards	50 x 50
25 " " " " " "	50 x 50
11 " " " " " "	48 x 48
6 " " " " " "	45 x 45

4 m/m ALDER, 2nd Quality, at 85/-

39 Packages of 20 Boards	48 x 48
18 " " " " " "	61 x 38
5 " " " " " "	51 x 39
1 " " " " " "	56 x 35
10 " " " " " "	51 x 51

4 m/m BIRCH, 2nd Quality, at 95/-

7 Packages of 25 Boards	50 x 50
6 " " " " " "	48 x 48

3 m/m ALDER, 1st Quality, at 85/-

4 Packages of 35 Boards	47 x 38
1 " " " " " "	47 x 36
1 " " " " " "	17 x 10
7 " " " " " "	52 x 45

3 m/m ALDER, 2nd Quality, at 75/-

13 Packages of 35 Boards	48 x 38
--------------------------	---------

Ex GLOUCESTER.

3 m/m BIRCH, 2nd Quality, at 80/-

47 Bundles of 30 Boards	50 x 50
68 " " " " " "	45 x 45
24 " " " " " "	45 x 45

4 m/m BIRCH, 2nd Quality, at 95/-

183 Bundles of 25 Boards	50 x 50
37 " " " " " "	48 x 48
9 " " " " " "	45 x 45

3 m/m BIRCH, 2nd Quality, at 80/-

93 Packages of 30 Boards	48 x 48
25 " " " " " "	45 x 45

3 m/m BIRCH, 2nd Quality, at 80/-

115 Packages of 30 Boards	50 x 50
---------------------------	---------

4 m/m BIRCH, 2nd Quality, at 95/-

35 Packages of 25 Boards	48 x 48
13 " " " " " "	45 x 45
50 " " " " " "	50 x 50
37 " " " " " "	48 x 48
9 " " " " " "	45 x 45
72 " " " " " "	48 x 48
5 " " " " " "	48 x 48

Ex HULL.

7 m/m BIRCH, 1st Quality, at 135/-

1 Package of 16 Boards	59 x 46
------------------------	---------

4 m/m BIRCH, 2nd Quality, at 95/-

6 Packages of 25 Boards	48 x 48
1 " " " " " "	48 x 48
3 " " " " " "	50 x 50

4 m/m BIRCH, 2nd Quality, at 95/-

115 Boards	60 x 41
1 " " " " " "	61 x 41
24 " " " " " "	61 x 42
2255 " " " " " "	60 x 49
687 " " " " " "	60 x 48
25 " " " " " "	60 x 42
75 " " " " " "	60 x 41
373 " " " " " "	61 x 49
1 " " " " " "	61 x 40
6 " " " " " "	60 x 47
53 " " " " " "	59 x 47
50 " " " " " "	59 x 48
9 " " " " " "	59 x 45
28 " " " " " "	58 x 48
47 " " " " " "	58 x 47
2 " " " " " "	58 x 45
1 " " " " " "	58 x 44

9 Boards

137 " " " " " "	57 x 44
86 " " " " " "	61 x 42
86 " " " " " "	60 x 42

3 m/m BIRCH, 2nd Quality, at 80/-

88 Boards	60 x 42
60 " " " " " "	59 x 47
158 " " " " " "	60 x 48
420 " " " " " "	60 x 49

3 m/m BIRCH, 1st Quality, at 85/-

39 Boards	60 x 48/49
1 " " " " " "	60 x 48
58 " " " " " "	60 x 40
1 " " " " " "	59 x 47
48 " " " " " "	58 x 48

3 m/m BIRCH, 1st Quality, at 85/-

6 Packages of 30 Boards	50 x 50
4 " " " " " "	48 x 48

4 m/m ALDER, 1st Quality, at 95/-

425 Boards	60 x 52
8 " " " " " "	60 x 46
9 " " " " " "	60 x 40
82 " " " " " "	53 x 48
510 " " " " " "	52 x 45

4 m/m BIRCH, 1st Quality, at 100/-

8 Boards	60 x 49
1047 " " " " " "	60 x 48/49
36 " " " " " "	60 x 48
6 " " " " " "	59 x 47
1 " " " " " "	59 x 45
15 " " " " " "	57/58 x 44/46

3 m/m ALDER, 1st Quality, at 85/-

82 Boards	60 x 50
1987 " " " " " "	48½ x 38½

5 m/m BIRCH, 1st Quality, at 120/-

9 Boards... ..	61 x 49
100 " " " " " "	60 x 48/49
2 " " " " " "	58 x 47
3 " " " " " "	60 x 41
3 " " " " " "	60 x 48

3 m/m ALDER, 2nd Quality, at 75/-

1 Package of 37 Boards	55½ x 38½
------------------------	-----------

HARDWOOD SPECIFICATION.

MEDIUM NICARAGUAN MAHOGANY BOARDS. Ex HULL.

290 Pieces 1 inch. Prices on application.

SELECTED MAHOGANY BOARDS.

1 Piece 1 x 12½ x 20
1 " " 1 x 16 x 14

1 Piece 1 x 7 x 14
1 " " 1 x 6 x 11
Prices on application.

1 Piece 1 x 4½ x 12
1 " " 1 x 11½ x 13

PUBLICATIONS OF THE SOCIETY.

EDITED BY W. BARNARD FARADAY, LL.B.

THE AERONAUTICAL SOCIETY ANNUAL REPORTS, 1866 - 93.

1866	1st Annual Report	...	...	Out of Print
1867	2nd "	"	"	"
1868	3rd "	"	"	10/-
1869	4th "	"	"	10/-
1870	5th "	"	"	10/-
1871	6th "	"	"	10/-
1872	7th "	"	"	10/-
1873	8th "	"	"	10/-
1874	9th "	"	"	Out of Print
1875	10th "	"	"	7/6
1876	11th "	"	"	7/6
1877	12th "	"	"	Out of Print
1878	13th "	"	"	7/6
1879	14th "	"	"	7/6
1880	15th "	"	"	7/6
1881	16th "	"	"	7/6
1882	17th "	"	"	7/6
1883	18th } Annual Reports in one	...	...	Out of
1884	19th } volume	...	...	Print
1885	20th } Annual Reports in one	...	...	7/6
1886	21st } volume	...	...	7/6
1887				
1888	} 22nd Report in one volume			7/6
1889				
1890				
1891				
1892	} 23rd Report in one volume			7/6
1893				

The Basis of Modern Aeronautical Science.



The "Aeronautical Journal," the Official Organ of this Society, is the premier scientific periodical dealing with Aeronautics.

It was founded in 1897 and has appeared since, quarterly.

Henceforward the Journal will be published monthly on the 21st of each month.

Price 2/6 per issue, 2/9 post free.

Annual Subscription, 30/-

Back Numbers can still be obtained at the offices of the Society.

THE AERONAUTICAL CLASSICS, 1910-11.

- No. 1. AERIAL NAVIGATION.** By SIR GEORGE CAYLEY, Bart (1809). (With Portrait and Biography).
- No. 2. AERIAL LOCOMOTION.** By F. H. WENHAM (1866). (With Portrait and Biography).
- No. 3. THE ART OF FLYING.** By THOMAS WALKER (1810). (With Foreword).
- No. 4. THE AERIAL SHIP.** By FRANCESCO SANA (1670). (With Portrait and Biography).
- No. 5. GLIDING.** By PERCY S. PILCHER (1897), to which is added the Aeronautical Work of John Stringfellow (b. 1799) (With Portraits and Memoir).
- No. 6. THE FLIGHT OF BIRDS.** By G. A. BORRELLI (1680). (The First English Translation, especially made for this series).

Price 1s. net each volume; or the Series of Six, bound in one volume of 310 pp. 7s. 6d. net.

"The Series of Classics . . . are not only extremely interesting, but are of the highest value as enabling the reader to see the history of Aeronautics in true perspective. . . . Full of all the romance of great adventure."—*The Field*.

AERONAUTICAL REPRINTS.

- No. 1. STEELS USED IN AERO WORK.** By W. H. HATFIELD, D.S.O., A.F.Ae.S., of the Brown-Firth Laboratory. Price 5s.
- No. 2. METHODS OF MEASURING AIRCRAFT PERFORMANCES.** By Captain H. T. TIZARD, R.F.C., A.F.Ae.S. Price 1s. 6d.
- No. 3. THE SCREW PROPELLER IN AIR.** By M. A. S. RICH, A.F.Ae.S. Price 2s. 6d.
- No. 4. THE AEROPLANE HIGH TENSION MAGNETO.** By A. P. YOUNG, A.M.I.E.E. Price 5s.

THE AERONAUTICAL SOCIETY OF GREAT BRITAIN,
7, ALBEMARLE STREET, LONDON, W.1.

THE SIBERIAN & GENERAL TRADING COMPANY

Limited,

1 & 3, Leonard Street, City Road, LONDON, E.C.2.

PLYWOOD

... IN ALL ...

Thicknesses and Qualities.

TELEGRAPH: "WOLOSEY," FINSQUARE, LONDON.

TELEPHONE: LONDON WALL 3577.

THE SIBERIAN & GENERAL TRADING COMPANY, Ltd.,

**1 & 3, LEONARD STREET, CITY ROAD,
LONDON, E.C.2.**

IMPERIAL LIGHT Ltd.

Oxy-Acetylene Welding Engineers,

123, Victoria St., London, S.W. 1.

TELEPHONE:
3540 VICTORIA (3 LINES).

TELEGRAMS:
"EDIBRAC, PHONE, LONDON."

SUNFLOWER



Trade Mark.

FLUX

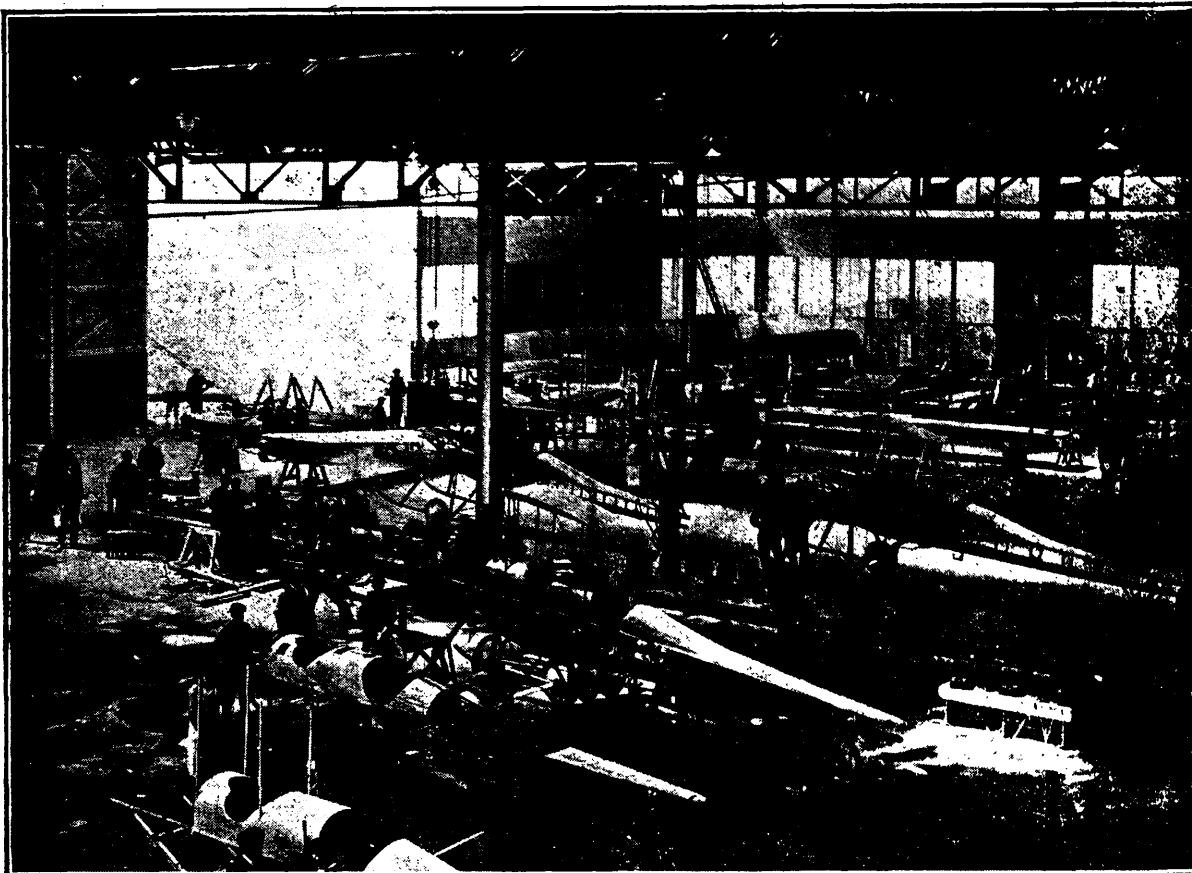
FOR

ALUMINIUM

WELDING.



WRITE FOR A SAMPLE.



VIEW IN ERECTING SHOP.

Wm. BEARDMORE & Co., Ltd.,
NAVAL CONSTRUCTION WORKS,
DALMUIR.

CONTRACTORS FOR ALL CLASSES
:: :: OF AIRCRAFT. :: ::

C. G. SPENCER & SONS,

56a, Highbury Grove, London, N.

Telegrams: "AERONAUT, LONDON."

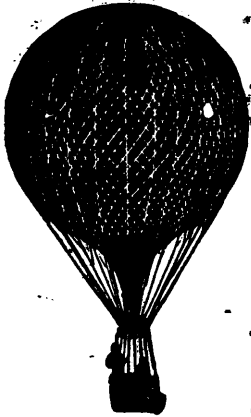
Telephone: DALSTON 1893.

MANUFACTURERS OF

Balloons, Airships, Aeroplanes,

Fabric, Propellers, and Aeronautical

Apparatus of every description



Price List of Passenger Balloons, Captive Advertising Balloons, Gold Beaters Skin Balloons (from 1/- each), Paper Fire Balloons (from 4d. each), and India Rubber Balloons (from 2/- per gross), One Stamp.

SPENCER BROTHERS, Ltd.,

Aeronauts to the Crystal Palace for Balloon Ascents, Parachute Descents, Airship Flights,

45b, ABERDEEN PARK, Highbury, London, N. 5.

CONTRACTORS TO THE ADMIRALTY.

SHORT BROTHERS,

AEROPLANE WORKS

ROCHESTER, KENT,

AND

FLYING GROUNDS—

EASTCHURCH, ISLE of SHEPPEY.

Telephones:—

9, EASTCHURCH.

627, CHATHAM.

378, REGENT (London Office).

Telegraphic Addresses:—

"FLIGHT," EASTCHURCH.

"SEAPLANES," ROCHESTER.

"TESTED, PHONE," LONDON.