

### A Duration Record Broken.

It is reported from Mineola that Ed. Stinson, the young American "stunt" pilot, and Lloyd Bertand have just succeeded in remaining in continuous flight for 26 hrs. 19 mins. 35 secs. They were flying an all-metal (? J. L.) monoplane, and started off from Long Island on Thursday morning last, in a snowstorm. The breaking down of the oil pump brought the flight to a close. The present duration record was established by MM. Bossoutrot and Bernard with 24 hrs. 19 mins. 7 secs.

### Controversy over Michelin Cup

ACCORDING to reports from Paris, events in connection with the Michelin Cup have taken an unexpected turn. The performance put up by the Italian aviator Capt. Martinetti over an Italian circuit of 3,000 kms. has, the report states, been disputed by the French Aero Club on the grounds that Martinetti, they allege, failed to land at his point of departure after terminating the flight. There is also some talk of Martinetti having changed machines in the course of his flight, which is, of course, contrary to the regulations. It is not to be expected that the Italian Aero Club will accept this decision straight away, and probably some lively correspondence will follow during the next few days. If the reported decision of the French Aero Club is to stand, Poirée would appear to be the holder of the Cup for 1921, his performance having been the best French one, with an elapsed time of 37 hrs. 23 mins. In the meantime French aeronautical journals are suggesting that the regulations should be altered and the competition held during the summer months so as to avoid the danger of the autumn fogs.

### Paris-Constantinople Line Initiated

THE two French pilots, MM. Deullin and de Marmier have just completed an out-and-home flight between Paris and Constantinople, by way of blazing the trail for the regular service to be started later on. Leaving Paris on October 10 last, they covered the distance of 1,770 miles between the two capitals in 17 hours' actual flying time, having made long halts at Strasbourg, Prague, Budapest, Belgrade and Bukarest. They left Constantinople for home on November 7, and de Marmier arrived at Le Bourget on December 22, his flying time being 18 hrs. Deullin stopped at Nancy the same day. It is proposed to inaugurate a regular service shortly.

### Siam and Aviation

DURING his "round-the-world" journeying Lord Northcliffe made a stay at Bangkok, and on December 23 he visited the aerodrome at Don Muang, where Sir Ross Smith alighted during his Australian flight in 1919. *The Times* correspondent states that Lord Northcliffe was surprised to find the air station equal to most of those in Europe.

Siam, he states, has 25 landing-places and five aerodromes. At Don Muang there are 115 'planes, including school machines, and a staff of 650 men.

It looks as if there should be a good opening for British development in this land of promise.

### No. 1 Aeroplane Supply Depot Reunion Dinner

It is proposed to hold a Reunion Dinner of Officers of the late No. 1 Aeroplane Supply Depot (St. Omer, Marquise and Cologne).

The dinner will take place at the Hotel Cecil on Saturday, January 28, 1922, at 7 p.m.

All those interested are asked to communicate with Capt. J. F. Bargman at "Inglefield," Osborne Road, South Farnborough, Hants.



### PUBLICATIONS RECEIVED

*Report on the Health of the Royal Air Force for the Year 1920. Vol. 1, Air Publication 875.* London: H.M. Stationery Office. Price 6s. net.

*Fuel for Motor Transport. Second Memorandum by the Fuel Research Board.* London: H.M. Stationery Office. Price 6d. net.

*Converting a Business into a Private Company.* By Herbert W. Jordan. London: Jordan and Sons, Ltd., 116-117, Chancery Lane, W.C. Price 1s. net.

*A Short Course in Elementary Meteorology.* By W. H. Pick, B.Sc. London: H.M. Stationery Office, Imperial House, Kingsway, W.C. Price 1s. 6d. net.

*Report No. 115. Bending Moments, Envelope, and Cable Stresses in Non-Rigid Airships.* National Advisory Committee for Aeronautics, Navy Building, Washington, D.C., U.S.A.

*Technical Note No. 68. Vortices and the Related Principles of Hydrodynamics.* By A. Betz. National Advisory Committee for Aeronautics, Navy Building, Washington, D.C., U.S.A.

## SIDE-WINDS

A MOST informative and helpful data sheet relating to aluminium sheet, sections, bar, strip, wire and cable has just been compiled and issued by the British Aluminium Co., Ltd., of 109, Queen Victoria Street, London, E.C. The sheet gives in table form the weight, area, etc., relating to aluminium in these various forms, and should be very useful in the drawing-office. A copy may be had on application to the above address.

APROPOS of the favourable comment which has been evoked concerning the new gas starter for aero-engines which the Bristol Aeroplane Co., Ltd., have produced, they desire us to draw attention to the considerable amount of experimental work which had previously been carried out by the Royal Aircraft Establishment on gas starters. The work at the R.A.E. on gas starters was in the hands of the late Major Norman, the well-known authority on air-cooling, and a debt is due to his memory for the measure of development which was reached. Whilst the Royal Aircraft Establishment were responsible for the first idea of the power gas starter and for its early development, the apparatus the Bristol Aeroplane Co., Ltd., have produced is a result of further close study of the requirements which starters have to fulfil, and they have been able to place on the market a very compact light-weight starting engine to meet a need which has long been felt by the aircraft constructor. This is only another example of the valuable research work which the R.A.E. are continually carrying on, and which is of immense service to the development of British aeronautical equipment.



### AERONAUTICAL PATENT SPECIFICATIONS

Abbreviations: cyl. = cylinder; I.C. = internal combustion; m. = motors. The numbers in brackets are those under which the Specifications will be printed and abridged, etc.

#### APPLIED FOR IN 1920

Published December 29, 1921

- 24,426. H. MIDDLETON. Ornithopters or bird-winged flying machines. (172,077.)
- 24,514. T. W. FOSTER and A. DOOLEY, sen. Universal swivel workshop stand for engines. (172,080.)
- 24,979. S. EVANS. Man-power aeroplanes. (172,103.)
- 25,110. F. H. PAGE and HANDLEY PAGE, LTD. Wings for aircraft. (172,109.)
- 25,689. SOC. ANON. DES AEROPLANES, G. VOISIN. I.C. engines. (150,740.)
- 25,906. GAS ACCUMULATOR CO. (UNITED KINGDOM), LTD., and A. G. WATSON. Devices for indicating direction of ground wind. (172,141.)
- 35,247. V. A. ALMONACID. Air screws. (172,229.)

Published January 5, 1922

- 19,220. GOODYEAR TYRE AND RUBBER CO. Balloons. (147,163.)
- 25,617. D. C. LINE. Man-power aeroplane. (172,410.)
- 25,723. A. M. FOTHERINGHAM. Combined magnetic compass and dip-indicator. (172,412.)
- 28,111. A. PERADOTTO. Apparatus for indicating inclinations of aeroplane in flight. (151,996.)

If you require anything pertaining to aviation, study "FLIGHT's" Buyers' Guide and Trade Directory, which appears in our advertisement pages each week (see pages iii and xiv).

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