

mostly 10 ins. to 16 ins. These young trees give the best results, being tougher and whiter than older trees—quite 75 per cent. to 90 per cent. of each plank being usable. They run up to 30 ft. in length. Large stocks of these logs are available, in three stages of manufacture—bone dry ready for immediate use; seasoned; and fresh sawn. All are in log formation, in stick and cleated. Many of the leading aircraft manufacturers in England are using these specially-selected ash planks, and it may be added that a plank by plank selection is allowed.

John MacLennan and Co.,

115, Newgate Street, London, E.C.1.
THE Textile side of aircraft is looked after by this firm, which, established in 1875, has been able to turn its just on

50 years' experience of cotton and the like to good account as far as aircraft are concerned. Here are just a few of the items in Aircraft Smallware handled by this firm:—Egyptian Cotton Tapes, "India" Tapes (American cotton), Linen Tapes (Flax), Cotton Webbing, Flax "Kite" Cord, Balloon Cords, "Flexotube" Insulated Sleaving, Linen Thread, etc., etc.

Marconi's Wireless Telegraph Co., Ltd.,

Marconi House, Strand, London, W.C.2.

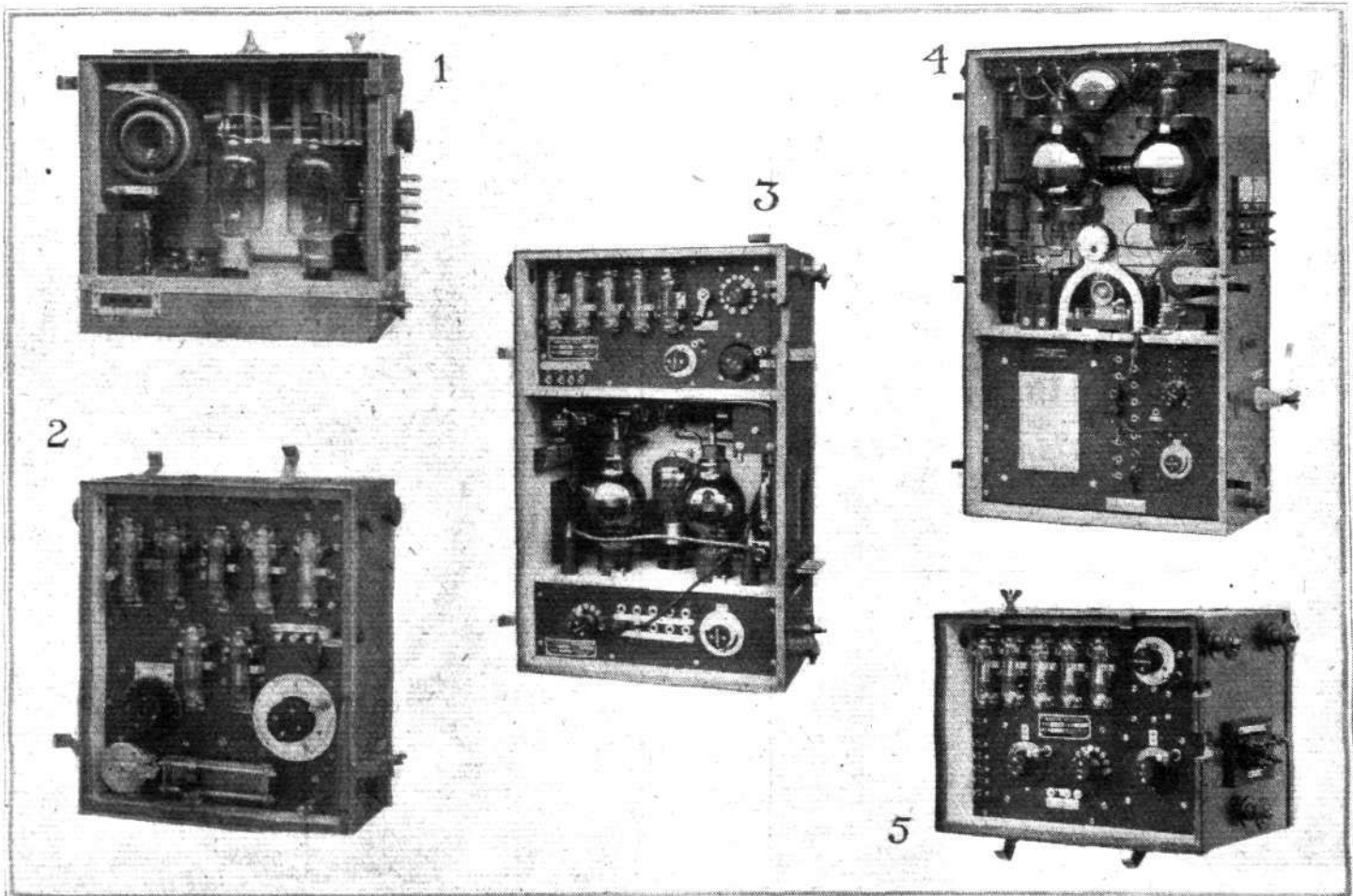
As long ago as 1912, when flying by aeroplanes was still in its infancy, the Marconi Company turned its serious attention to the problem of developing wireless apparatus suitable for installing in aeroplanes for the purpose of main-

taining communication with the aeroplane when in flight.

During the European War, both the art of flying and the art of radio communication developed by leaps and bounds, and wireless telegraph apparatus was extensively used in connection with aircraft throughout the War, and especially during its later stages. After the Armistice, when attention was concentrated on commercial flying, the Marconi Company, realising the enormous importance of wireless communications in connection with such services and the special nature of the requirements, immediately formed a special department for attacking the problem of aircraft communication both for commercial and military purposes. Much valuable research work, leading to the evolution of finished designs, has been

MARCONI AIRCRAFT WIRELESS SETS

Description.	Type.	Power.	Wave-range.	Remarks.	Weight.
Aircraft direction finder set..	A.D.4 ..	—	600-1,000 m. ..	For installing in large long-distance aircraft.	13.2 kilos.
100 watt inter-aircraft set (short wave)	A.D.5 ..	100 watts	T. 75-125 m. .. R. 75-125 m.	For small fighting machines ..	30.5 kilos.
150 watt "all purpose" aircraft set	A.D.6 ..	150 watts	T. 350-1,200 m. R. 350-1,200 m.	An all-purpose set for naval and military or commercial uses.	42 kilos.
150 watt commercial aircraft set	A.D.6A ..	150 watts	T. 350-1,200 m. .. R. 850-950 m.	For commercial service aircraft, or "fixed wave" services	42 kilos.
0.5 k.w. aircraft set ..	A.D.8 ..	500 watts	T. 600-1,500 m. .. R. 600-4,000 m.	For long distance, bombing and reconnaissance machines.	73 kilos.
150 watt aircraft telegraph set	A.D.9 ..	150 watts	T. 350-1,200 m. R. 350-1,200 m.	A.C.W. telegraph set for military and naval services.	—
Aircraft artillery co-operation ground receiving set	A.D.10..	—	R. 200-400 m. ..	For gun-ranging in conjunction with the A.D.11 or 11A transmitter	—
Aircraft artillery co-operation set	A.D.11.. A.D.11A	40 watts .. 100 watts	T. 200-400 m. .. R. 400-1,200 m.	For naval and military gun-ranging	17.2 kilos. 28.6 kilos.
Maintenance engineers' aircraft testing set	—	—	—	For general use at aerodromes ..	—



MARCONI AVIATION WIRELESS SETS : 1, A.D.5 Receiver. 2, A.D.5 Transmitter. 3, A.D.6 Transmitting and Receiving Set. 4, A.D.8 Transmitter. 5, A.D.8 Receiver.