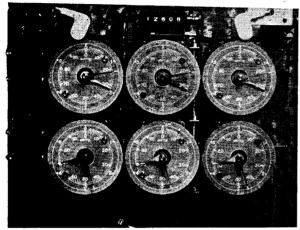
SPECIALISTS

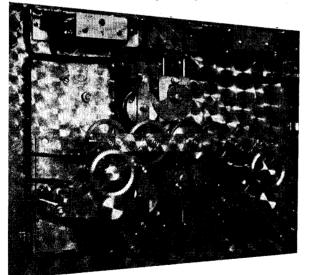
Model work and the Quantity Production of High Grade Instruments.

For 35 years we have been manufacturing electrical and mechanical devices. We would be pleased to estimate on your requirements.

Front View of Walker Propeller Log Without Case



Back View of Walker Propeller Log Without Case



Ship propeller log recently completed by us. This instrument was designed by Mr. George Walker. It indicates the exact number of revolutions of each propeller shaft for the previous minute, the average of both shafts and the total propeller miles traveled by the ship.

FOOTE PIERSON & CO., Inc.

Manufacturers of electrical and mechanical devices and instruments of precision

75 Hudson Street, Newark, N. J.

electronics





Contents for DECEMBER, 1930

Copyright, 1930, by McGraw-Hill Publishing Company, Inc.

The march of the electronic arts	409
Broadcast-station power and 1931 radio-set sales By O. H. CALDWELL	412
Analysis of uniform r.f. amplification	414
A dual-frequency audio source for general laboratory use By G. F. LAMPKIN	
Phototube voltage supervisor By W. P. KOECHEL	418
Acoustic and light characteristics of sound screens. By BARTON KREUZER	420
The importance of phase control in synchronizing By C. W. Horn	423
Voice number calls from dial phones	424
Simplified method of measuring broadcast harmonics By E. C. MILLER	425
Output transformer design—Part II, Ву R. C. Нитснсоск and W. O. Osbon	42 7
Electronic musical instruments	435
Electrical transcriptions for broadcasting	438

DEPARTMENTS

New books on electronic subjects	426
High lights on electronic devices in industry	430
Editorials	432
Letters to the editor	434
News of the electron industries	439
Review of electronic literature here and abroad	440
New products	443
Patents	445
Index to Volume I (April-December, 1930)	446

McGRAW-HILL PUBLISHING COMPANY Cable Address:

JAMES H. MCGRAW, Chairman of the Board MALCOLM MUIR, President JAMES H. MCGRAW, JR., Vice-Pres. and Tress. EpwARD J. MEHREN, Vice-President

MASON BRITTON, Vice-President EDGAR KOBAK, Vice-President HAROLD W. MCGRAW, Vice-President H. C. PARMELEE, Editorial Director C. H. THOMPSON, Secretary