

The Scientific Shop

ALBERT B. PORTER

Scientific Instruments

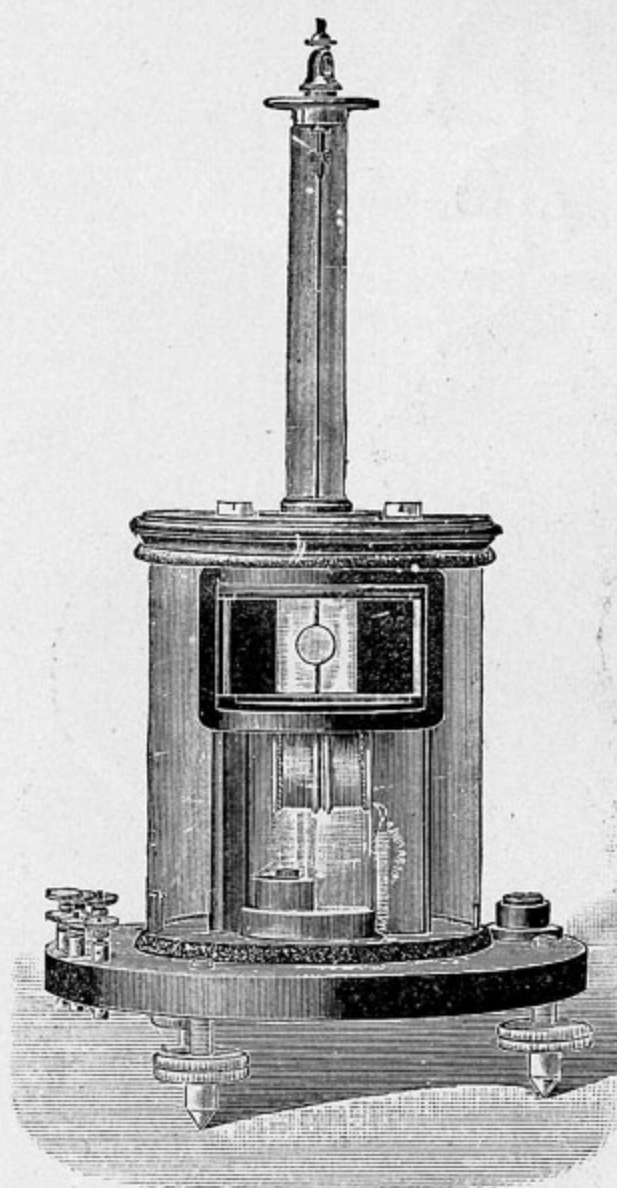
324 Dearborn St., CHICAGO

CIRCULAR 337

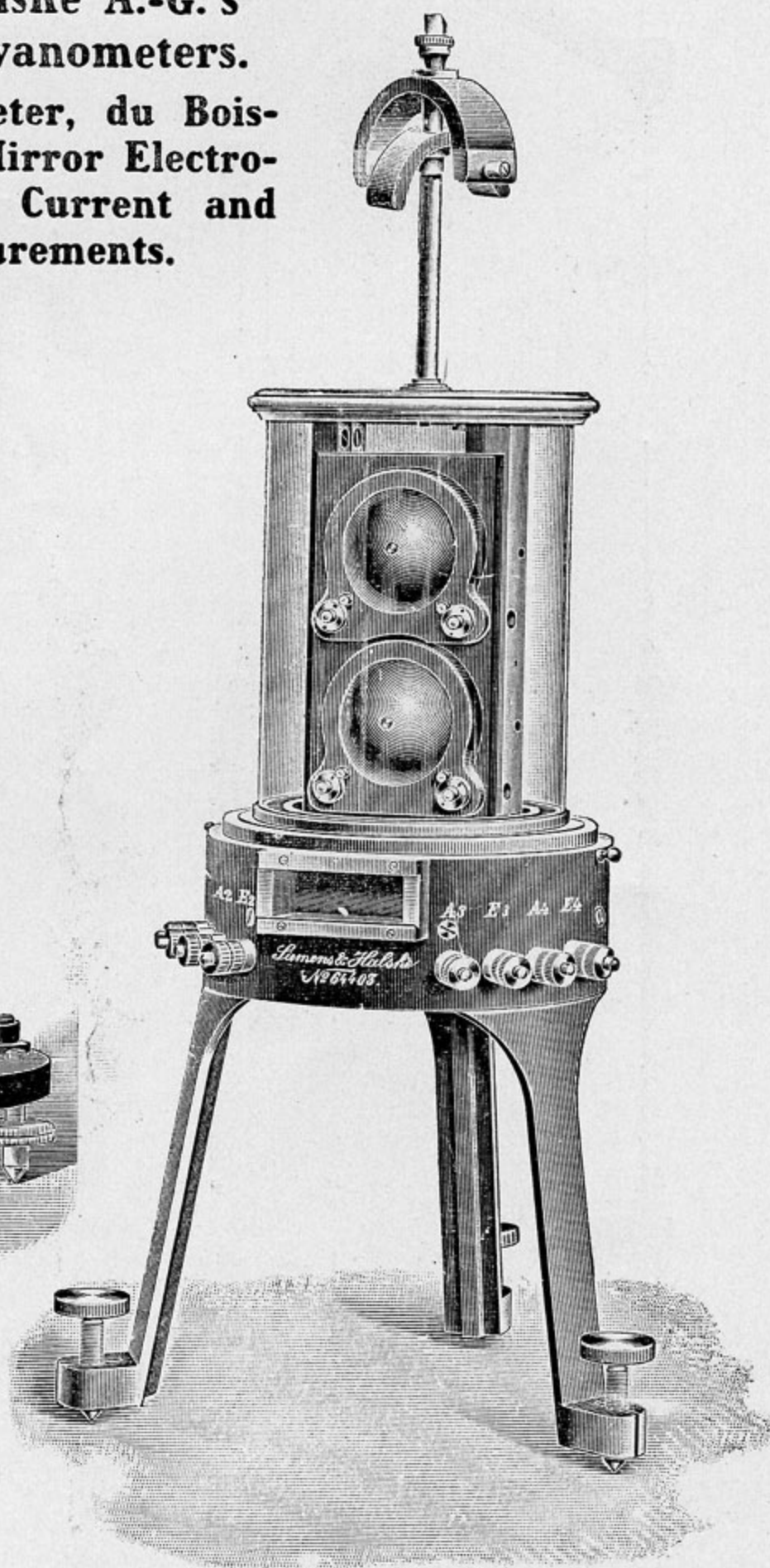
FEBRUARY 1907

Siemens & Halske A.-G.'s Armoured Galvanometers.

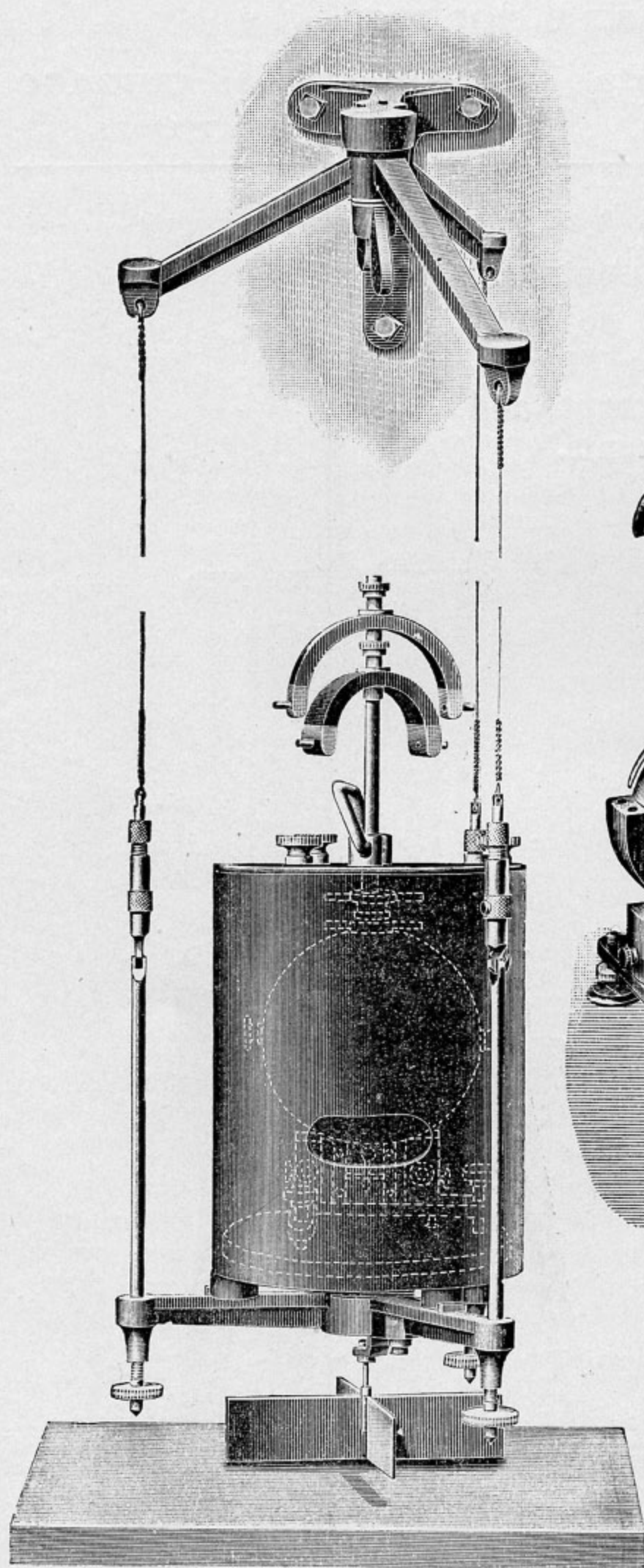
Astatic Galvanometer, du Bois-
Rubens System. Mirror Electro-
dynamometer for Current and
Voltage Measurements.



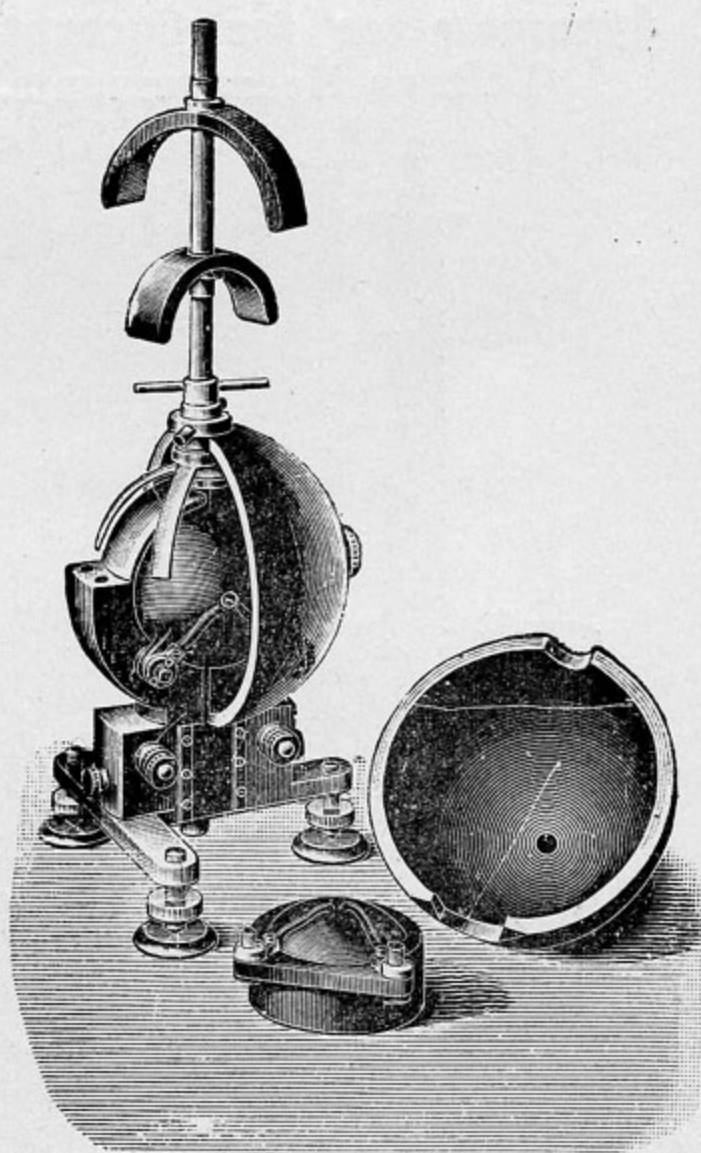
31541
Mirror Electrodynamo-
meter 2425c



31532
Astatic galvanometer with 4 coils 6672a
du Bois-Rubens System



31521 in 31522 and 31567
Galvanometer with spherical armour 6673,
in cast-steel cylinder 6673 a,
with anti-vibration suspension, System Julius



31521
Galvanometer with 2 coils
and spherical armour 6673,
du Bois-Rubens System

Cat. No.	Article	Net Weight Kilos	Price \$	Pack- ing \$
31521	Galvanometer with two coils and spherical armour, Drawing No. 6673, according to du Bois-Rubens,¹⁾ with one light and one heavy magnet, ²⁾ 2 pairs of inner controlling magnets, 2 outer controlling magnets and 2 coils of 2000 Ohms each, in steel case. With plane mirror	4	250.00	1.40
	Accessories			
31522	Cast-steel cylinder 6673 a,³⁾ as third magnetic protection, at the same time transport case for the above galvanometer . .	12	44.00	0.40
31523	2 Coils 6673, of 5 Ohms each in steel case	0.75	46.00	0.20
31524	2 " " " 100 " " " " " " " " " "	0.75	46.00	0.20
31525	1 Light magnet, inclusive of mirror, 35 mg	—	6.80	—
31526	1 Heavy " " " " " " " " " " " "	—	12.80	—
31527	1 Brass frame, with glass cover for the magnets	0.5	8.00	0.20
	Shunts of copper wire for the coil of resistance 2×2000 Ohms			
31528	1454 1/9; 1/99; 1/999	1.7	44.00	0.20
31529	2450 1/9; 1/99; 1/999; 1/9999	2.7	56.00	0.40
31530	2430 1/9; 1/49; 1/99; 1/499; 1/999; 1/9999	3.5	76.00	0.50
31531	1 Box of quartz fibres	0.2	1.80	0.10
31532	Highly sensitive galvanometer with 4 coils, 6672 a, according to du Bois-Rubens,⁴⁾ with one light and one heavy magnet, ²⁾ with 2 outer controlling magnets and 4 coils of 2000 Ohms each, in ebonite case. With plane mirror	11	290.00	2.00
	Accessories			
31533	4 Coils, of 5 Ohms each, in ebonite case .	1.5	80.00	0.20
31534	4 " " " 100 " " " " " " " " " "	1.5	84.00	0.20
31535	1 Light magnet, inclusive of mirror, 60 mg	—	16.00	—
31536	1 Heavy " " " " " " " " " " " "	—	20.00	—
31537	1 Transport case for Cat. Nos. 3152, 31533 and 31534	6.6	20.00	0.40
	1 Shunt of copper wire for the resistance of 4×2000 Ohms			
31538	1454 1/9; 1/99; 1/999	1.7	48.00	0.20
31539	2450 1/9; 1/99; 1/999; 1/9999	2.7	60.00	0.40
31540	2430 1/9; 1/49; 1/99; 1/499; 1/999; 1/4999; 1/9999	3.5	80.00	0.50

¹⁾ A detailed description is contained in the "Zeitschrift für Instrumentenkunde", 1900, No. 2.

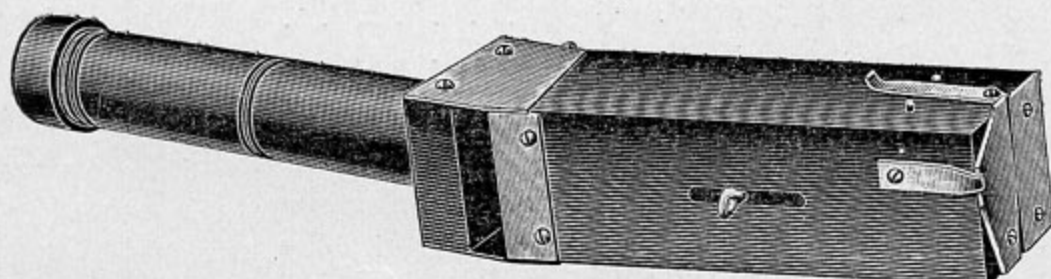
²⁾ Each magnet with one plane mirror is supplied in case.

³⁾ The cast-steel cylinder for the galvanometer is indispensable in case of great variations in the field.

⁴⁾ This instrument is made on the principle of the astatic galvanometer with 4 coils and armour (see "Zeitschrift für Instrumentenkunde" 1900, No. 2), but is supplied without armour.

Cat. No.	Article	Net Weight Kilos	Price \$	Pack- ing \$
31541	Mirror Dynamometer 2425 c , with 2 fixed coils and 1 spherical movable coil, with air damping and plane mirror. Each coil has a resistance of about 150 Ohms. If the coils are connected in series, 1 Milli-Ampère will give a deflection of about 100 mm, with 1 m distance of scale. As the instrument, which is free from Foucault currents, is made of insulating material only, it is especially adapted for the measurement of weak alternating currents	8,7	260.00	1.60
	Accessories			
31542	Carrying case 2425 c I for Cat. No. 31541	—	12.00	—

Three New Ives Spectroscopes.



C 886

These new spectroscopes are of the direct vision pattern. The dispersive element is an Ives Patented Grating of 1500 lines to the inch, mounted under a prism so that the brilliant first order spectrum is swung round into the direction of the incident beam of light. The new instruments are smaller and lighter than the Simplex and Duplex Spectroscopes described in Circular 325. They are made light and compact for hand use, and are not furnished with stands. Every instrument is supplied with an adjustable slit and with a focusing slide, and the two larger sizes have telescopes to give greater magnification of the spectrum.

- C 885 Ives Direct Vision Hand Spectroscope, No. 1**,
without telescope, giving same power as Simplex No. 1.....\$ **7.50**
- C 886 Same, No. 2**, with pivoted wooden tube telescope, hand-
somerely resolving the sodium line **10.50**
- C 887 Same, No. 3**, with brass telescope and well-made Huygen-
ian eyepiece **13.50**