

52566

# The Scientific Shop

ALBERT B. PORTER

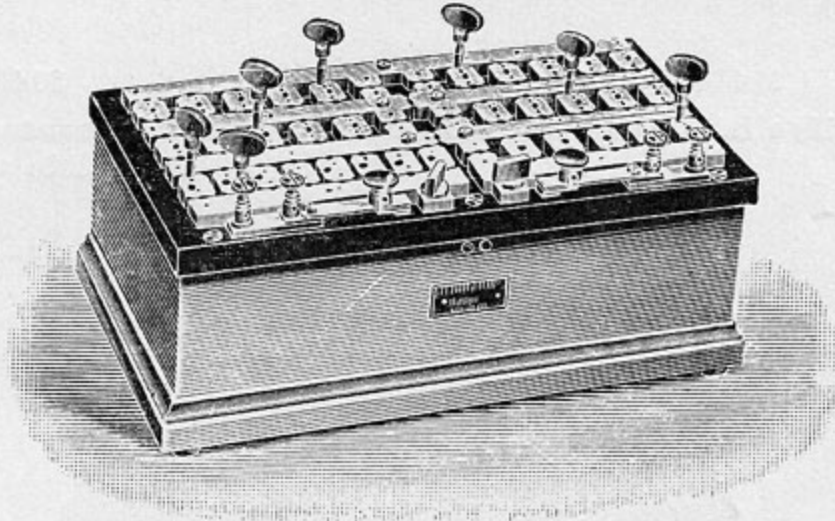
Scientific Instruments

324 Dearborn St., CHICAGO

CIRCULAR 334

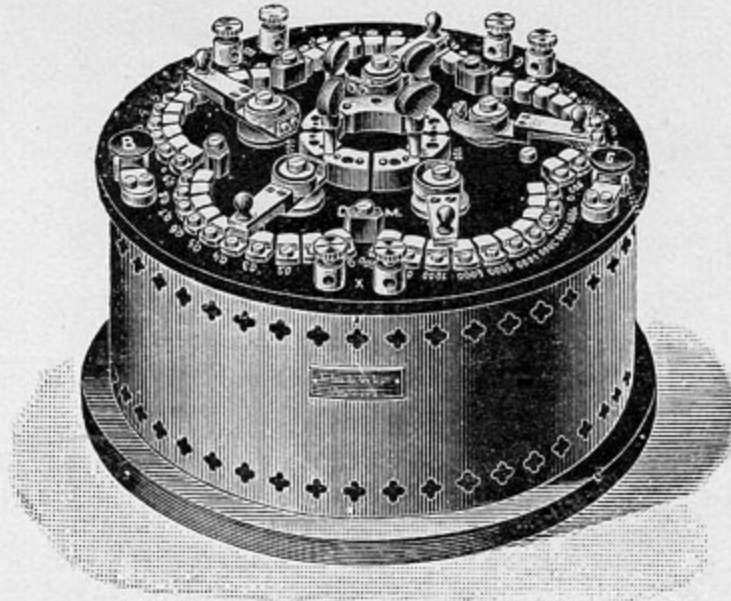
JANUARY 1907

## Siemens & Halske A.-G.'s Resistance Bridges



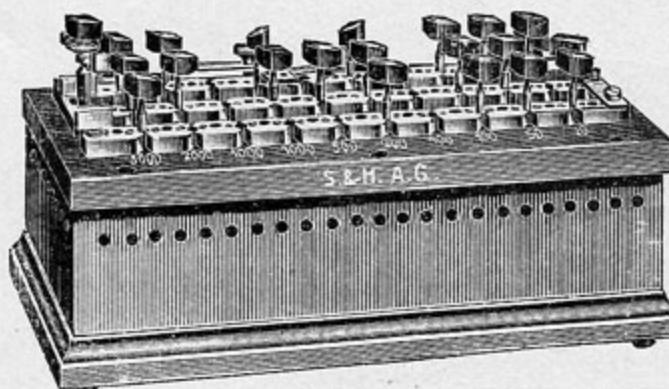
31347

Decade resistance bridge 15526



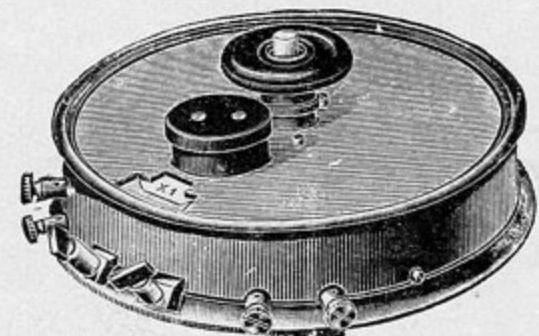
31438

Switch resistance bridge 6901 I



31433

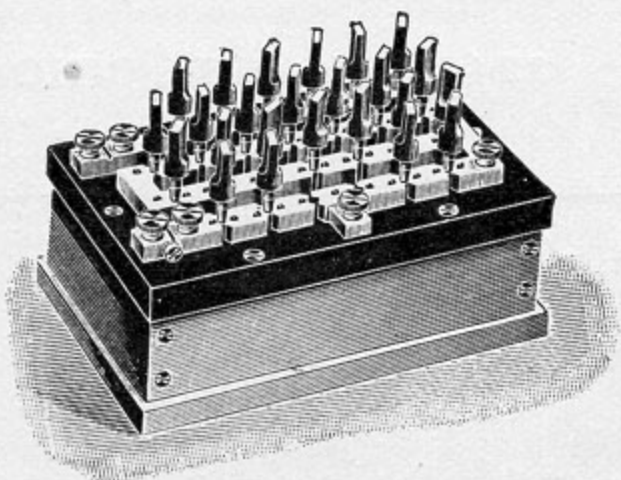
Standard resistance 2452



31432

Slide wire bridge 15528

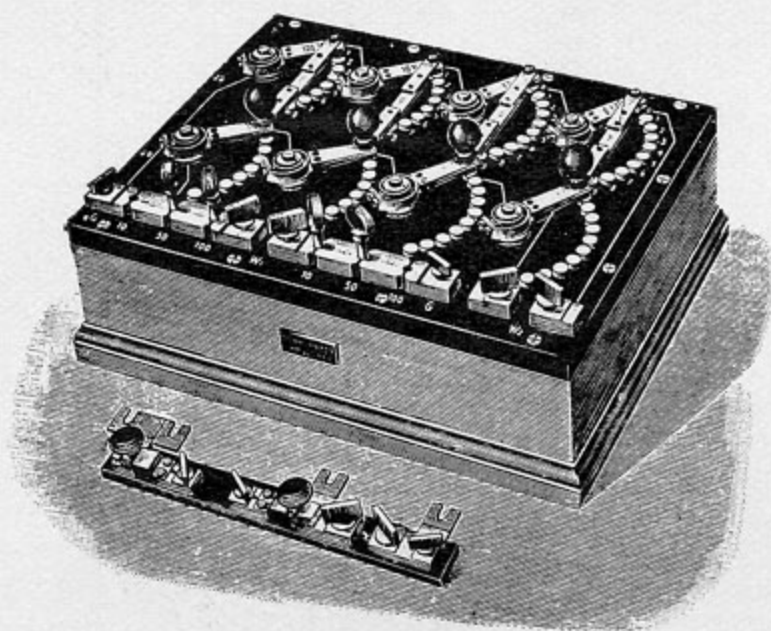




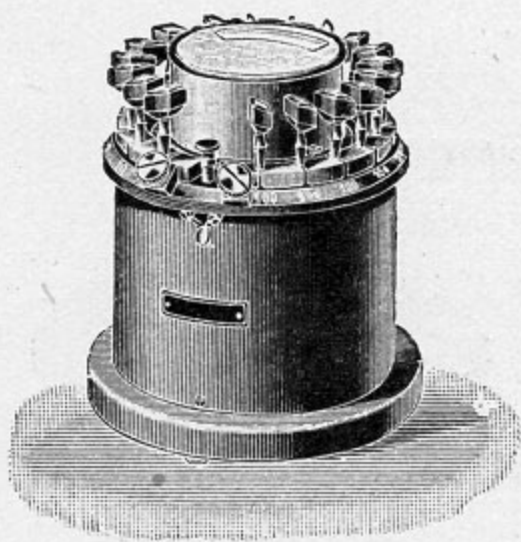
31434

**Resistance bridge in ebonite box 1458**

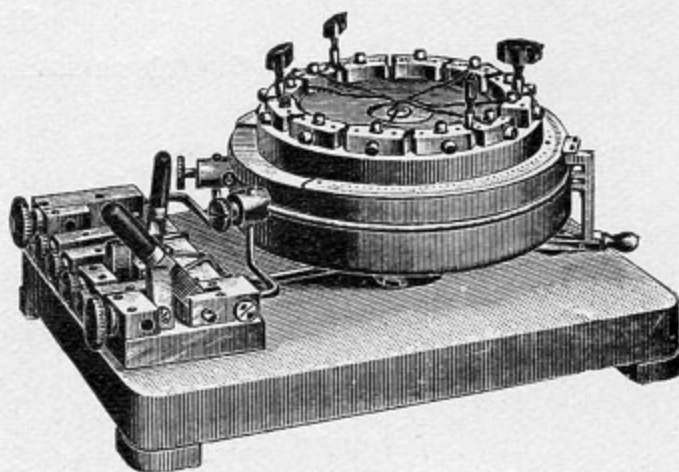
31431

**Small resistance bridge  
with slide wire 6944**

31440

**Resistance bridge with double switches 15527**

31430

**Resistance bridge  
for testing purposes 0.802**

31439

**Thomson bridge 4581**



Cat. No.	Article	Net Weight Kilos	Price \$	Pack- ing \$
31430	<b>Portable Testing Set O.802</b> with compensating resistance from 1—500 Ohms, 2 bridge resistances of 1, 10, 100 Ohms each, galvanoscope, Deprez-d'Arsonval System, 3 dry cells and double key. Range 0,1—100000 Ohms. Price with carrying case and shoulder strap . . . . .	4	<b>75.00</b>	0.40
31431	<b>Small Slide Wire Bridge 6944</b> , in wooden box, for 0,1—1000 Ohms, with plug and compensating resistances of 1, 10, 100 Ohms, with terminals for galvanometer or telephone and battery or inductor . . . . .	1	<b>64.00</b>	0.20
31432	<b>Small Slide Wire Bridge 15528</b> , for quick resistance measurements with protecting case, with compensating resistance of 0,1, 1, 10, 100, 1000 Ohms, adjustable by switch, double key and terminals for galvanometer and battery. The resistance is read off directly from the slide wire . . . . .	4,8	<b>116.00</b>	0.40
31433	<b>Precision Plug Resistance Bridge (Standard Resistance 2452)</b> , with compensating resistance of 0,1—5000 Ohms and 2 branch resistances of 1, 10, 100, 1000 Ohms each, with 2 keys and terminals for battery and galvanometer and arrangement for determining the location of faults . . . . .	9,6	<b>126.00</b>	0.80
31434	<b>Plug Resistance Bridge 1458 in ebonite case</b> , with compensating resistance of 10000 Ohms, in steps of 0,1—5000 Ohms, 2 branch resistances of 10, 100, 1000 Ohms each, with terminals for galvanometer and battery . . . . .	5	<b>128.00</b>	0.50
31435	<b>Plug Resistance Bridge 1458 I</b> , same as under Cat. No. 31434, but in wooden case . . . . .	5	<b>116.00</b>	0.50
31436	<b>Small Plug Resistance Bridge 4566</b> with compensating resistance of 1000 Ohms, in steps of 1—500 Ohms and bridge resistances of 10, 100, 1000 Ohms, with terminals for galvanometer and battery . . . . .	4,8	<b>80.00</b>	0.50
31437	<b>Decade Bridge 15526</b> for very accurate measurements, with compensating resistance of 11111 Ohms in 5 decades for tenths, ones, tens, hundreds and thousands with 5 plugs only, 2 interchangeable comparison resistances of 1, 10, 100, 1000 Ohms each, 2 keys and terminals for galvanometer and battery . . . . .	10,5	<b>230.00</b>	1.25



Cat. No.	Article	Net Weight	Price	Pack- ing
		Kilos	\$	\$
31438	<b>Precision Switch Resistance Bridge 6901 I</b> with 5 sections of $9 \times 0.1$ , $9 \times 1$ , $9 \times 10$ , $9 \times 100$ , $9 \times 1000$ Ohms, 2 branch resistances for plugging 10, 100, 1000 Ohms, 2 keys and terminals for galvanometer and battery . . . . .	5.7	<b>170.00</b>	1.00
31439	<b>Thomson Bridge 4581</b> for resistance measurements by the Thomson method with slide wire and plug resistances of $2 \times 10$ and $2 \times 100$ Ohms and $2 \times 1$ , $2 \times 10$ , $2 \times 100$ Ohms respectively, current key and terminals for galvanometer and battery for resistances of 0.1—0.000001 Ohms . .	7.5	<b>192.00</b>	0.80
31440	<b>Double-Switch Resistance Bridge 15527</b> , for resistance measurements of 1—0.000001 Ohms by means of normal boxes by the Thomson method, for resistance measurements of 0.1—10000 Ohms by the Wheatstone method; with 2 sections of $9 \times 0.1$ , $9 \times 1$ , $9 \times 10$ , $9 \times 100$ Ohms each, with 2 comparison resistances of 10, 50, 100 Ohms each, with connecting hoop, keys and terminals for galvanometer and battery . . .	14	<b>206.00</b>	1.60
<b>Accessories</b>				
31441	<b>Standard Box 6911 d II</b> of 0.01 Ohm for resistance measurements of 1—0.0001 Ohm, for Cat. No. 31440 . . . . .	1.2	<b>24.00</b>	0.20
31442	<b>Standard Box 6911 d</b> of 0.0001 Ohm for resistance measurements of 0.01—0.000001 Ohm, for Cat. No. 31440 . . . . .	1.4	<b>24.00</b>	0.20
31443	<b>Shunt Plug</b> of 10/9 Ohms to increase the range of Cat. No. 31440 from 10000—100000 Ohms . . . . .	0.05	<b>5.25</b>	0.10
31444	<b>Stretching Device 5881 a</b> for wires of 1—10 mm diameter, for fixing wires of 1 m length, with leads, for Cat. Nos. 31439 and 31440	8	<b>36.00</b>	0.80
31445	<b>Commutator</b> . . . . .	0.3	<b>3.60</b>	0.10
31446	<b>Carrying Case for the Precision Plug Resistance Bridge</b> , Cat. No. 31438 . . . . .	2	<b>8.80</b>	—
31447	<b>Carrying Case for the Thomson Bridge</b> , Cat. No. 31439 . . . . .	2	<b>12.00</b>	—

### Ives' Spectroscopes

Scientific Shop Circular No. 325 describes a number of novel spectroscopes which are unequalled in "commercial efficiency," if this term may be used to denote the ratio of resolving power to selling price. Their high resolving power is due to the substitution of accurately ruled diffraction gratings for the prisms ordinarily employed; their low cost is due to clever simplification of details of construction.