

The following figures show the ratios of the strengths of current under these circumstances :

	Closed plate.	Open plate.
On closing circuit.....	1.25	1.30
After one minute.....	1.10	1.15
After two minutes.....	1.075	1.125
After three minutes.....	1.05	1.10
After four minutes.....	1.0375	1.10
After five minutes.....	1.025	1.10

W. H. G.

REPORT ON POROUS CELLS.

Made and Exhibited by J. E. Jeffords & Co., 1412 Salmon Streets, Philadelphia.

The two cells tested were of the same size, about 3×8 inches, and differed in color only, so far as could be seen. One cell was of white ware, and the other of a light buff ware.

Resistance was determined in a solution of copper sulphate, the cells being filled to the level of the surrounding solution. The height of liquid in each case was six and three-sixteenths inches. The results were

	White.	Buff.
Time to wet through with water.....	$3\frac{1}{2}$ min.	$5\frac{1}{2}$ min.
Fall of water by leakage in forty-eight hours.....	$2\frac{1}{8}$ in.	$1\frac{3}{4}$ in.
Resistance in ohms, of $6\frac{3}{16}$ inches in height.....	.69	1.14

F. C. VAN D.

TESTS OF SECONDARY BATTERIES.

As soon as practicable after the organization of the section for the consideration of secondary batteries, a copy of the following scheme was addressed to each of the three parties making an exhibit of such batteries. The conditions were accepted by the *Railway Light and Power Company*, and by the *Brush Company*, but the parties exhibiting the *Star Battery* declined having their battery examined, and ignored the communication of the examiners.