OBSERVATIONS:

To Calibrate the given ammeter

Balancing length of lo = 206 × 10-2 m

(Length of the were lealancing the emf of the Daniel well).

0 1	1			
S.No		Length balancing	Calculated	Correction
	reading I(A)	the P.d scross	ammeter reading	(I'-1)
	a to a way	I ohm call tm	ů' = 1.08 x l (A)	(A)
	,		lo	educa.
1	0.2	35.6	0.1866	-0.0134
2	, 0.3	55.3	0. 2899	-0.0101
3	0.4	80.3	0.4209	0.0209
4	6.5	101.3	0.5310	0.031
5	0.6	123.9	0.6495	0.0495
6	0.7	144.3	0.7565	0.0565
7	0.8	171.1	6.8970	0.097
8	0.9	196.9	1.0322	0.1322
9	1:0	223.5	1.111	0.1717

Calculation:

1. $2' = \frac{1.08}{206} \times 35.6$

2' = 0.1866

2. $2' = \frac{1.08 \times 55.3}{a06}$ 2' = 0.2899

1. 1'-2 = 0.1866-0.2 I'-2 - 0.0134

2. I'-i = 0.2899 - 0.3I'-i = -0.0101



