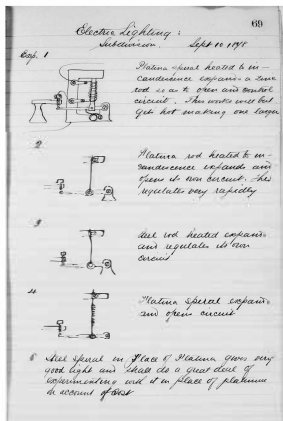


-1426-

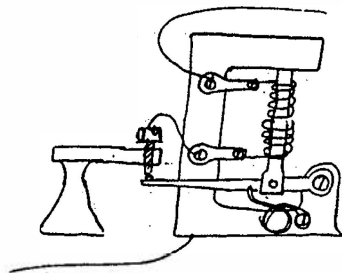
[Menlo Park,] Sept 10 1878

Notebook Entry: Electric Lighting



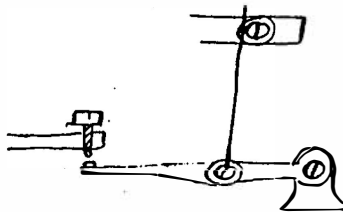
Electric Lighting: Subdivision

Exp. 1



Platina spiral heated to incandescence expands a zinc rod so as to open and control circuit. This works well but gets hot making one larger¹

2

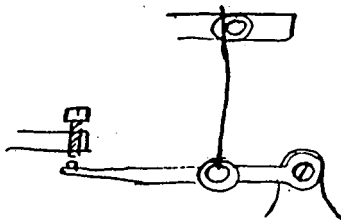


Platina rod heated to incandescence expands and opens its own circuit. This regulates very rapidly

September 1878

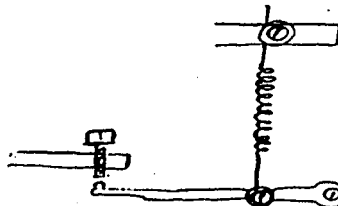
472

3



Steel rod heated expands and regulates its own circuit

4



Platina spiral expands and opens circuit

5 Steel spiral in place of Platina gives very good light and shall do a great deal of experimenting with it in place of platinum on account of cost²

X, NjWOE, Batchelor, Cat. 1317:69 (*TAEM* 90:691). Written by Charles Batchelor.

1. Edison's drawing of a spiral regulator similar to this one is found in Vol. 17:10, Lab. (*TAEM* 4:490).

2. Edison had discussed the high price of platinum and its use in telegraph instruments in an 1875 *Operator* article (Doc. 489). Among the laboratory scrapbooks is one labeled "Platinum Group" that contains material about platinum and related metals (Cat. 1134, Scraps. [*TAEM* 27:678]).