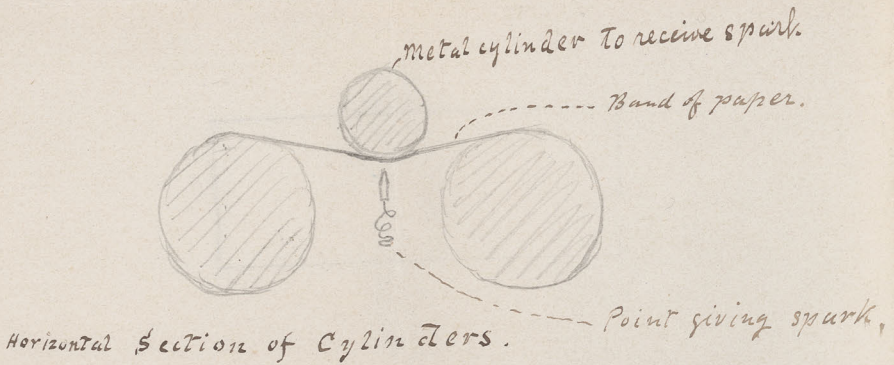
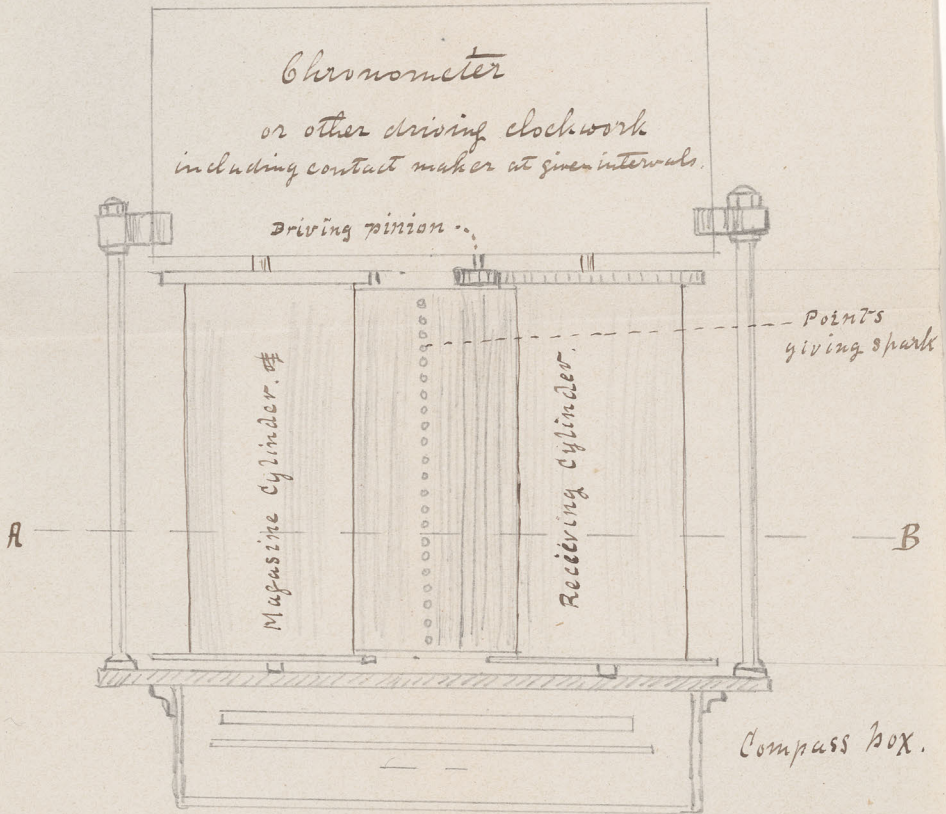


# General Arrangement

Actual size



Points indicating bearing  
by spark on paper

Paper

Cylinder receiving sparks

32 insulated pieces  
corresponding to the  
points of the compass

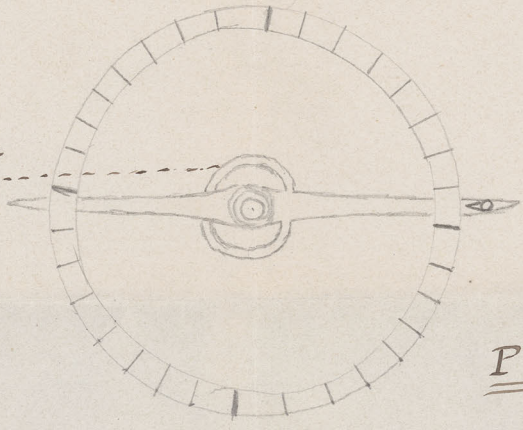
Needle

Point giving  
spark to needle

Point  
attached to needle  
giving spark to iso-  
lated piece represent-  
ing the bearing.

Elevation

Annular piece  
attached to needle  
to receive sparks



Plan



needle