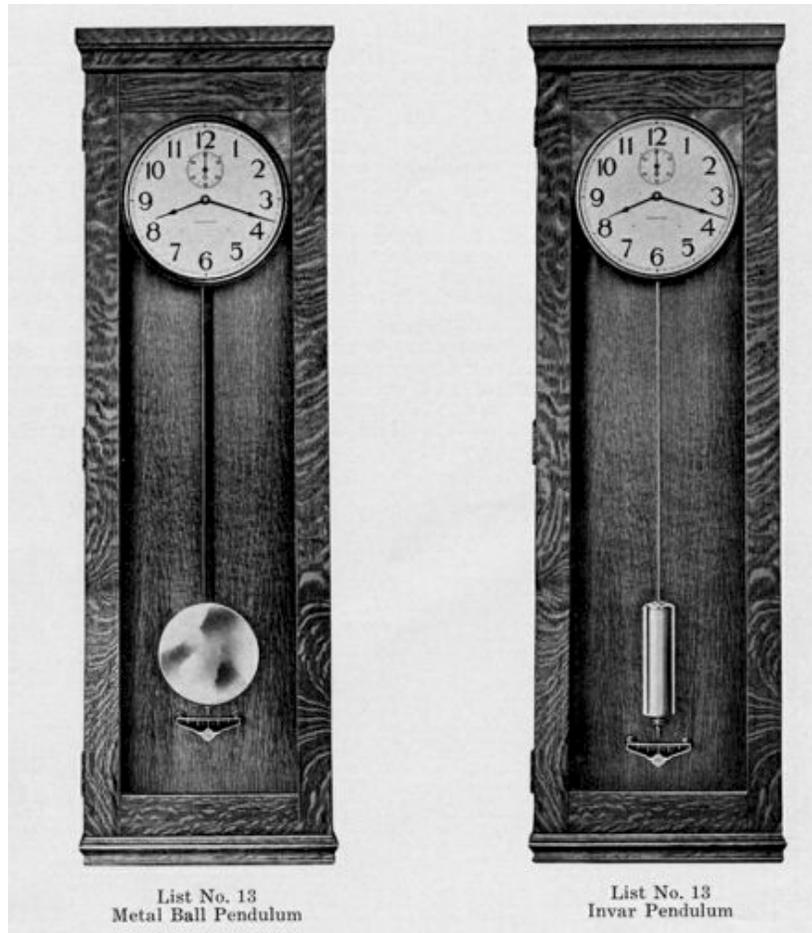


[The following is a reproduction of an IBM product data sheet published probably in April 1939 on the Number 13 electric self-winding master clock.]

International Time Recording Division  
Data Sheet I-MC-7

### ELECTRIC SELF WINDING MASTER CLOCK

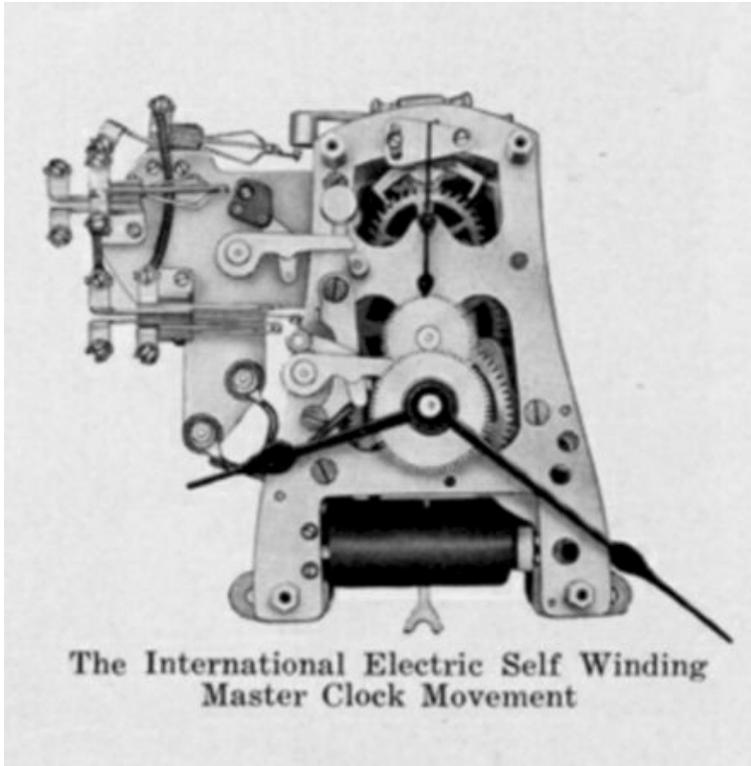


### Specifications

**INTERNATIONAL MASTER CLOCK**, self regulating magnet wound spring driven movement. Several hours reserve power with current shut off, fully rewinding on restoration of current supply, winding spring wound to same tension to prevent overwinding and insuring good time keeping. 60 beat, Graham dead beat escapement with micrometer adjustment. Furnished with Metal Ball, (Invar) or (Mercurial) pendulum. Time rating plus or minus per month with Metal Ball pendulum 30 seconds, (Invar—15 seconds) (Mercurial pendulum—10 seconds). Precision cut gear train of hard brass, burnished and plated. Pinions of stainless steel machine cut and burnished.

2407M132

## Master Clock Movements And Case Details

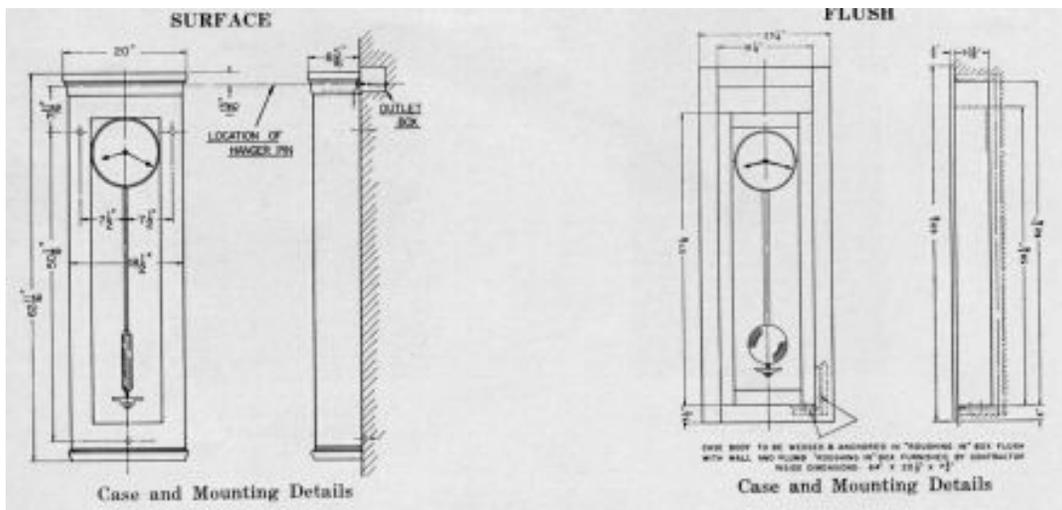


**The International Electric Self Winding Master Clock Movement** incorporates the latest International electrical contact arrangement with a heavily built clock movement of the finest workmanship.

The movement plates are of 1/8 inch thick hard brass with all bearings line-reamed in position to insure perfect alignment. The bearings are also jewel-cut and burnished to take care of end thrust in the arbors.

The gears are precision machined from heavy, hard brass and are plated to prevent oxidation and to eliminate lacquer. The pinions are machine cut from steel and are polished to insure smooth running with the gears.

Old style "contacts" are entirely dispensed with and their place is taken by heavy, mechanically operated circuit closers operated independent of the escape train so as not to interfere with the time keeping qualities of the clock. Contactor surfaces are large and of hammered, copper-free silver, which is the best known material for this purpose.



**Cases For These Clocks** are of the finest cabinet work and are regularly carried in stock in selected quarter sawn white oak and distinctively grained gumwood. The backs are made of 5/8" 5 ply veneer and the doors are double locked to make them dust tight. The style No. 13 and No. 16 clocks are furnished regularly with brushed aluminum or satin finish white enamel dial and Arabic numerals as standard, but Roman or silvered dials with etched or raised bronzed numerals can be furnished at an increase in cost. Flush type cases can be obtained in place of the surface type at extra cost but no roughing in box is furnished.