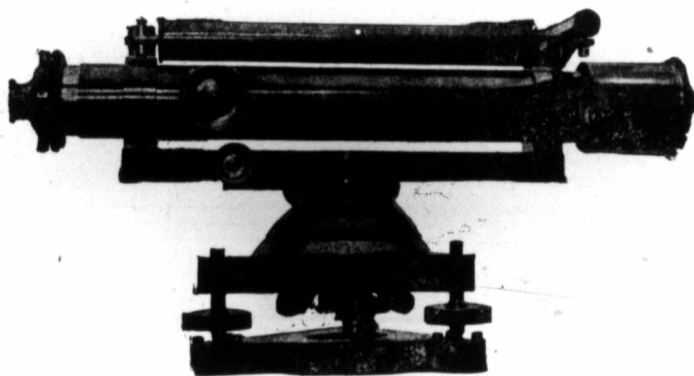


Railway Level

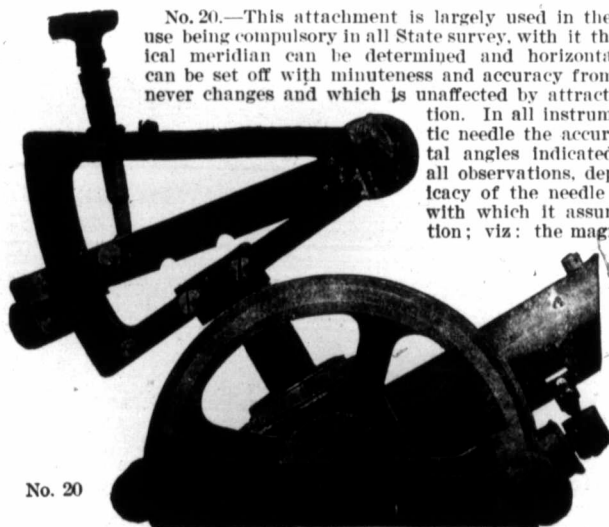


No. 19

This instrument has been designed for rapid levelling on very uneven ground, such as railway embankments, etc. In addition to our improved three-screw and locking plate levelling adjustment, it has a quick setting ball and socket arrangement. Clamp and slow-motion screw of new design is also provided. This instrument will be found exceedingly rigid and convenient.

No. 19.—Price, 14-in. \$125.00

Solar Attachment



No. 20

No. 20.—This attachment is largely used in the United States, its use being compulsory in all State survey, with it the true or astronomical meridian can be determined and horizontal angles therefore can be set off with minuteness and accuracy from a direction which never changes and which is unaffected by attraction of any description.

In all instruments with a magnetic needle the accuracy of the horizontal angles indicated and therefore of all observations, depends upon the delicacy of the needle and the regularity with which it assumes a certain position; viz: the magnetic meridian. Error is very likely to occur through the first wearing, loss of magnetism in the needle, local attraction, etc., and the effect of the sun's rays. From all these influences the solar attachment is free. It can be fitted to any of our transit theodolites having vertical circle with clamp and tangent.

No. 20.—Price, 14-in. \$65.00

No. 21.—Or
No. 22.—Op
No. 23.—St

No. 24.—Pl

No. 25.—Gr

No. 26.—Gr

No. 35
No. 36.—Re
No. 37.—Plu
ed
sigl