

*S. & M. "Tycos"*

## SURVEYING AND MINING ANEROIDS

**T**HE *Tycos* SURVEYING ANEROID is the limit of perfection in Barometer making.

Used intelligently it is the very best field instrument for accurate and rapid approximate surveys in ascertaining variations in gradients and levels in road making, railways, canals, water courses and in mining.

The vernier admits of dividing the altitude scale in tenths—10 feet divisions can be read to single elevation and 20 feet to 2 feet.

### Scaling

On *Tycos* SURVEYING ANEROIDS the divisions of the pressure or inch scale gradually increase in value as the scale ascends, whereas the altitude scale is divided equally—this reverses the order of scaling employed with ordinary Altitude Barometers, and admits the use of a vernier, which could not be applied to a scale unequally divided.

### The Vernier

The vernier is scaled in ten equal divisions, covering in its total length exactly twenty-one divisions of the altitude scale, hence no two lines of vernier and altitude scale can be coincident at the same time.