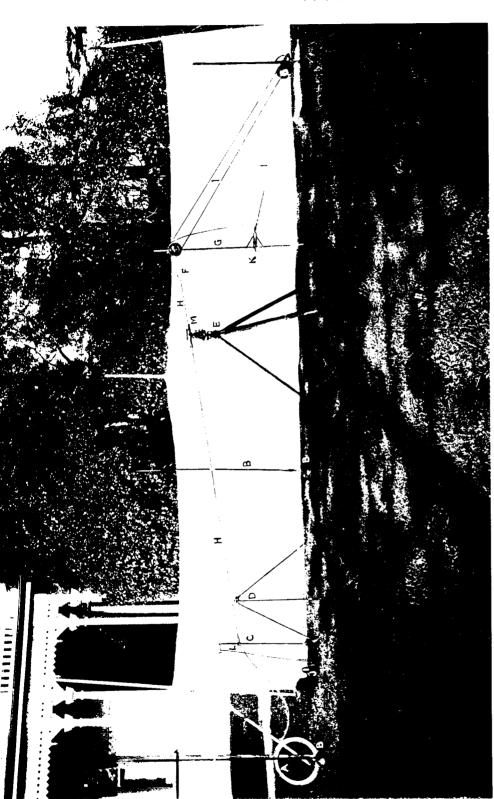
Fig. No. 9.



CEMERAL VIEW OF BASE-MEASURING APPLICATUS SET UP BEADY FOR USE.

A. Tapewinder, Steel-wise frame, covered with stent leather, Is in, inside diameter.

B. Cast-iron universal-jointed support-stands (Crabs), (For details see Fig. No. 11.)

C. Measuring-stand. (For details see Fig. No. 8.) D. Measuring-tripod.

Galvanized-iron tube legs, gunemetal top. . For details see Fig. No. 7.1

E. Five-inch Troughton and Simus transit theodolite, with brass and steel reading-scales attached to the vertical are, - (For details see Fig. No. 6.)

Fension-gear. For details see Fig. No. 10.1 F. Spring balance,

Tension-wares.

Weight.

Winel-handle of slow-motion screw of tension-gear

Scale attached to axis of vertical are of theodolite. Slow-motion serem of chaining-stand.

mark on the tape where it passes the scale M or A clearly shown in Fig. No. 6, always using a strong magnifying glass.

The observer at the rear end, or triped D, stands abreast of the tripod and makes the contact of the rear graduated tape-mark with the zero-mark on the tripod-head (see Fig. No. 7) by means of the slow-motion seriew at L or B in Fig. No. 8. The fine scale on tripod is only in the position shown When measurements are being made in the field, the observer at the scale stands abreast of the theodolite and reads the position of the graduated The tension-recorder stands abreast of F and keeps the index-mark of the balance true by means of the winch-handle K of the slow-motion tension when the tape is on the comparator.