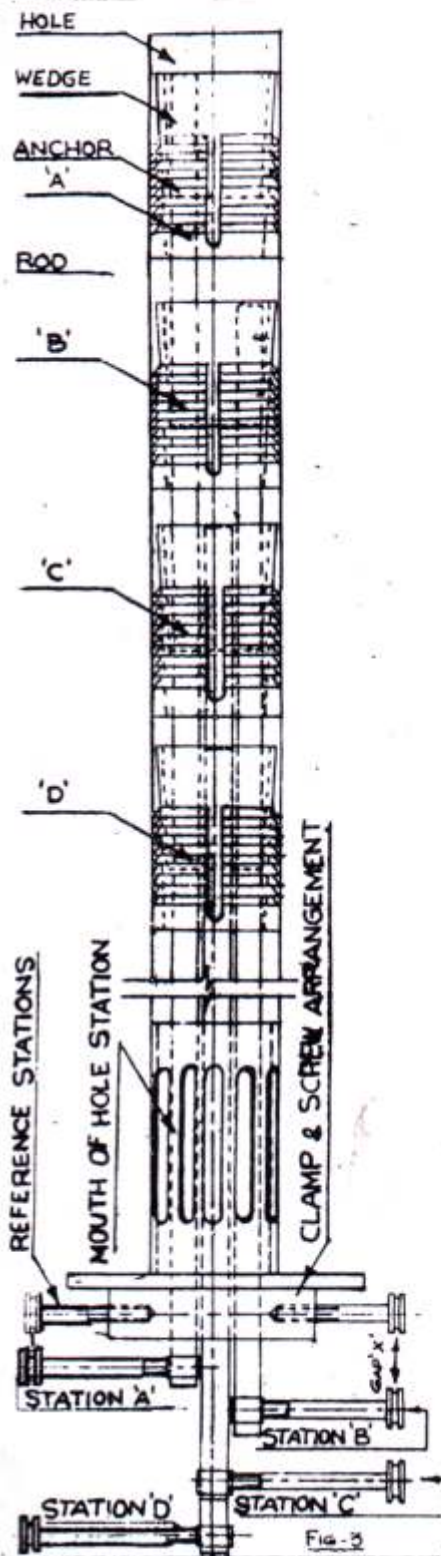


MULTIPOINT RODTYPE BORE HOLE EXTENSOMETER



'NMC' Bore Hole Extensometer is a device which measures movement and deformation of natural and artificial structures . It is widely used in mining quarrying , civil and foundation engineering .

The Strata movement at the anchor points are transmitted to the collar of the hole by rods A, B, C, D. The anchors are fixed through anchors. Rods from the deeper anchors go through the shallower ones until they reach the shallowest one at the collar of hole, where either the relative movement for each anchor is monitored by deformation-measuring devices.

Deformation measuring device comprises Reference knobs, and the number equal to anchorage points in the hole. Reading between knobs and the anchors will give the idea of movement or extent of loosening at different depths.

A setting tool comprising: (a) Installation tool and (b) a set of pipe is also supplied to fix the anchors at different depths.

Scope of supply for Extensometer :

- 1) Anchors.
- 2) Wedge.
- 3) Rods in 1 meter plus spare Rods.
- 4) Mouth of hole station.
- 5) Reference Stations.

Installation Equipments. :

- a) Setting tool.
- b) Set of Pipes.

While ordering please specify:

- a) Direction of Hole viz. upwards or downwards.
- b) Diameter of Hole.
- c) No. of Anchors and depth of anchors.

INSTALLATION OF MULTI POINT BORE HOLE EXTENSOMETER

- 1) Put wedge and anchor A, the deepest one at the back of hole at the desired level by joining rods in 1 meter length.
- 2) Join pipes of 1 Meter section and see that Anchor 'A' abuts against the mouth of pipe.
- 3) Allow Rod 'A' to pass through setting Tool.
- 4) Tighten Rod 'A' with the help of Screws.
- 5) Rotate lower handle's holding upper handles.
- 6) It will pull the wedge through Anchor expanding it and fixing it at desired level.
- 7) Unscrew the pipes and install the wedge and Anchor 'B'.
- 8) Repeat steps for installation of Anchor 'B', 'C', 'D' etc.
- 9) After installation of all Anchors, grout mouth of Hole station at collar of Hole.
- 10) Readings are observed between Reference Station and Anchor station as shown in fig. 1

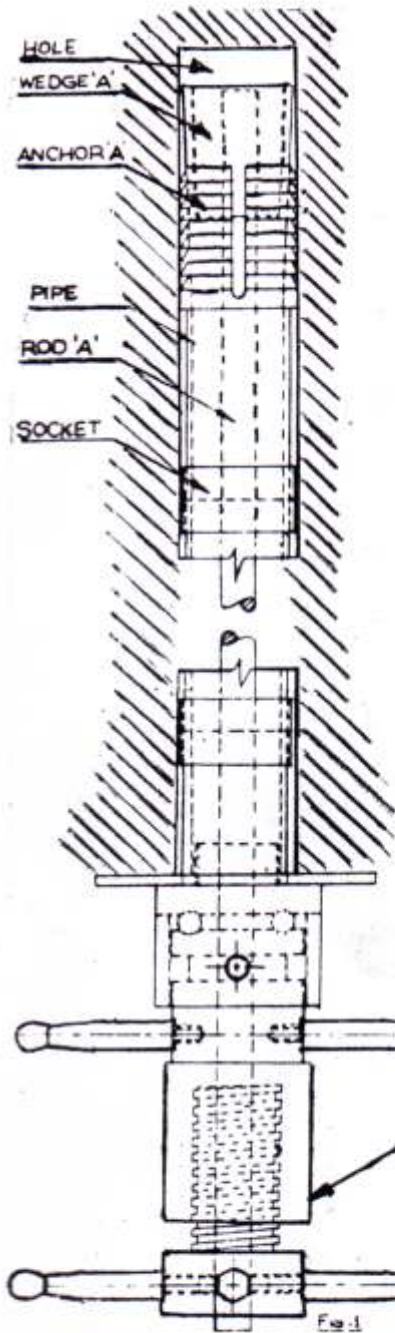


Fig. 1

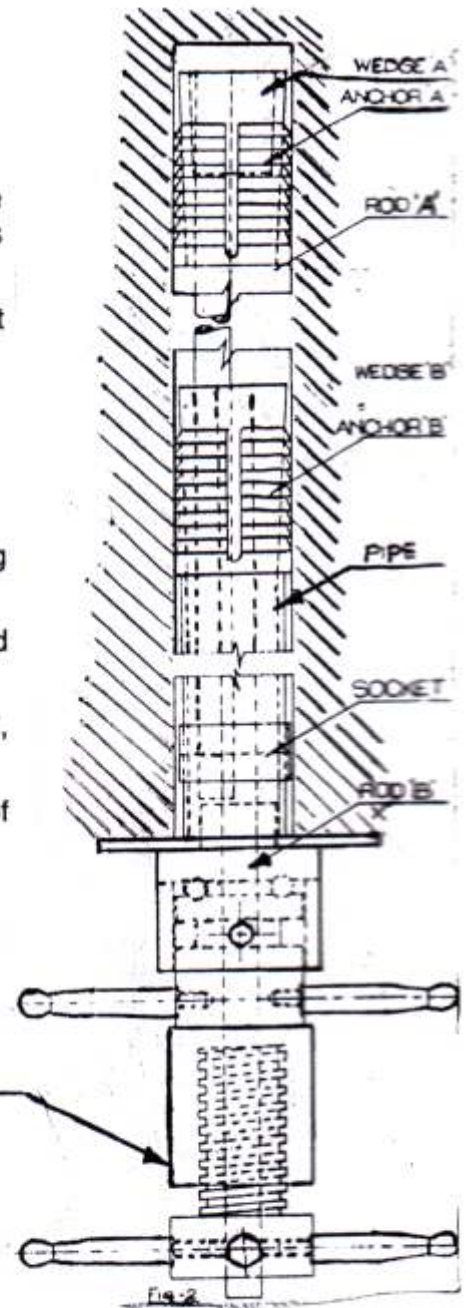


Fig. 2

INSTALLATION EQUIPMENT