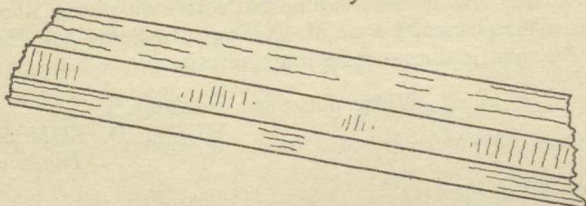


ANNEXE No 3

PIECE N° 20a.

NATIONAL TRANSCONTINENTAL RAILWAY  
SOLID ROCK EXCAVATION

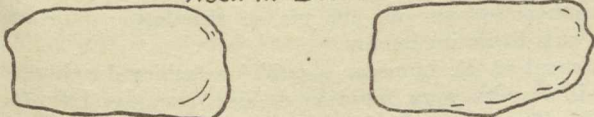
Rock in Ledges



Diagram

No 1

Rock in Boulders over 1 Cubic Yard



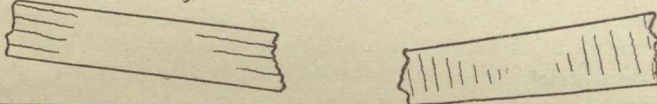
No 2

Conglomerate Rock or Plum Pudding Stone



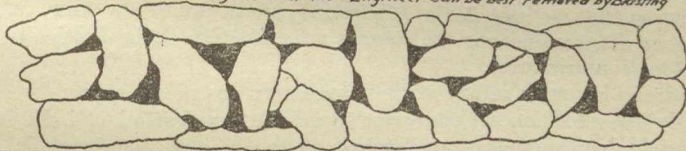
No 3

Detached Ledge Rock in Mass over 1 Cubic Yard



No 4

Rock in Masses of over 1 Cubic Yard (Assembled Rock)  
which in the Judgment of the Engineer can be best removed by Blasting



No 5

Shale Rock

which in the Judgment of the Engineer can be best removed by Blasting



No 6

No 1. Is a mere matter of measurement by the Engineer

No 2. Is a mere matter of measurement by Rock Measurers

No 3. Is a mere matter of measurement by the Engineers

No 4. Is a mere matter of measurement by Rock Measurers

No 5 & 6. To form a judgment as to whether or not it is best removed by Blasting, the Chief Engineer must view the work in progress or leave it to be decided by the Engineer in charge, whose duty it is to frequently visit the work during its operation and to be governed thereby & act accordingly

Hayden D. Lumsden Chief Engineer  
O'Hawa, Dec 17, 1898  
Jan 10, 1899