TR9-16-18

2 BRICKMAKING MATERIAL PROCTORS ROAD, KINGSTON

By V. M. Threader.

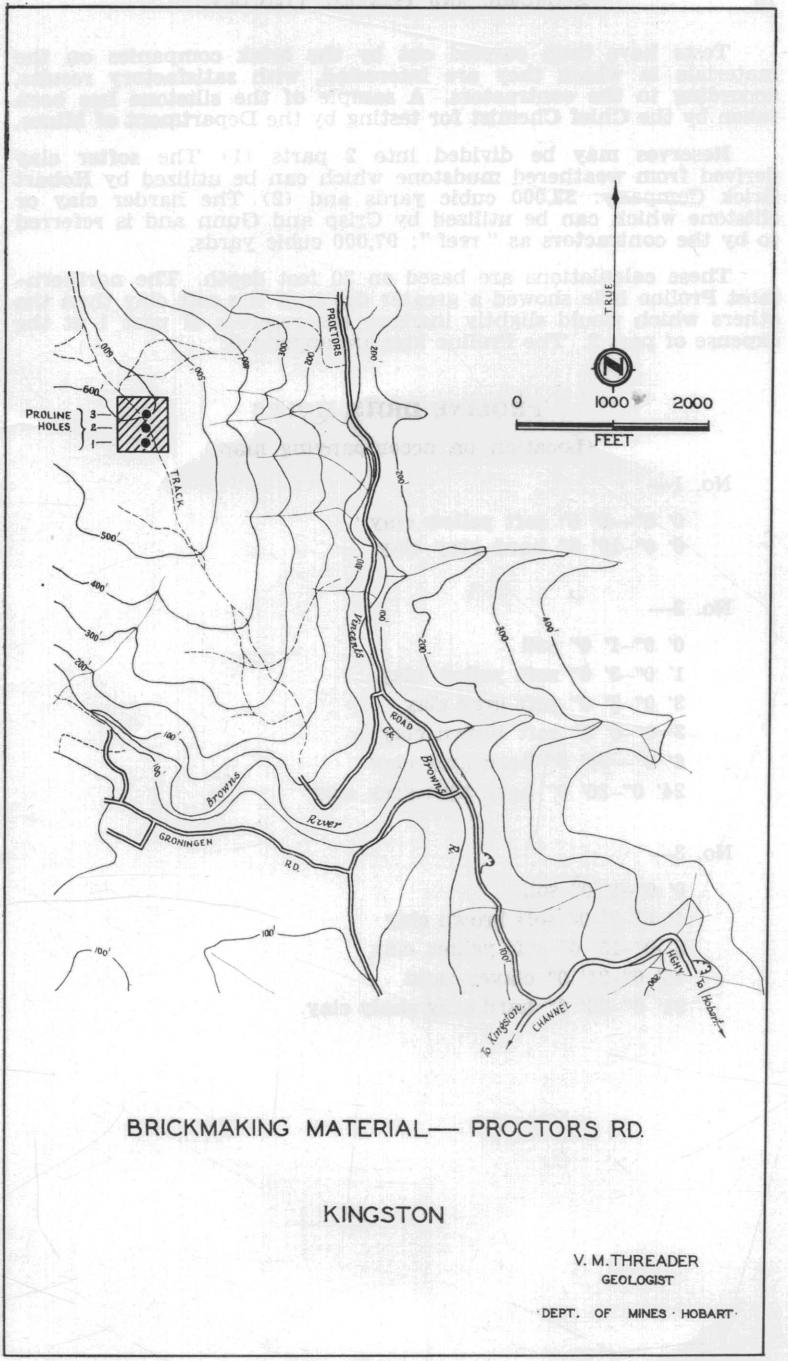
At the request of Messrs. Wells and Fenton of Kingston, a visit was made to a proposed quarry site west of Proctors Road, Kingston.

Two local brick companies are interested in material from this site. Crisp & Gunn in the rock and Hobart Brick Company in weathered material above this.

The area is situated on a spur trending NW-SE between Dunns and Vincents Creeks. Access is by a private road to the west from Proctors Road 1½ miles from its junction with Channel Highway.

The rocks consist of interbedded Permian mudstone and siltstone which are mostly horizontally bedded but a gentle southerly dip (1° or 2°) was observed in a quarry face.

On the crest of the spur a hand auger hole was attempted but was abandoned at 10 feet in hard siltstone. Three auger holes were drilled with the Proline rig to depths of 19 ft. 6 ins., 26 ft. 0 ins., and 28 ft. 6 ins., the material being logged as soft clay to 6 feet and hard clay for the remainder of the hole. A newly opened quarry face shows 6 feet of weathered mudstone underlain by fissile siltstone, about 5 feet of which is exposed in the face. The Proline was unable to drill further owing to hardness of the ground. Later, six more hand auger holes were drilled over an area of 4 acres to an average depth of 20 feet in clay.


5 cm
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PROCTORS
PROLINE HOLES
3
2
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TRACK
600'
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ROAD
BROWNS
RIVER
GRONINGEN
RD.
CHANNEL
to Kingston
to Hobart
BRICKMAKING MATERIAL— PROCTORS RD.
KINGSTON
V. M. THREADER
GEOLOGIST
DEPT. OF MINES · HOBART

FIGURE 5.

Tests have been carried out by the brick companies on the materials in which they are interested, with satisfactory results, according to the contractors. A sample of the siltstone has been taken by the Chief Chemist for testing by the Department of Mines.

Reserves may be divided into 2 parts (1) The softer clay derived from weathered mudstone which can be utilized by Hobart Brick Company: 32,000 cubic yards and (2) The harder clay or siltstone which can be utilized by Crisp and Gunn and is referred to by the contractors as " reef ": 97,000 cubic yards.

These calculations are based on 20 feet depth. The northernmost Proline hole showed a greater depth of the soft clay than the others which would slightly increase the reserves of part 1 at the expense of part 2. The Proline logs are appended.

PROLINE DRILL HOLES

(Location on accompanying map.)

No. 1—

0′ 0″—6′ 0″ soft yellow clay
6′ 0″–19′ 6″ hard grey clay

No. 2—

0′ 0″–1′ 0″ soil
1′ 0″–3′ 0″ soft yellow clay
3′ 0″–3′ 6″ soft grey clay
3′ 6″–6′ 0″ soft brown clay
6′ 0″—24′ 0″ hard grey clay
24′ 0″–26′ 0″ hard blue-grey clay

No. 3—

0′ 0″–1′ 0″ soil
1′ 0″–3′ 0″ soft brown clay
3′ 0″–15′ 0″ soft yellow clay
15′ 0″–21′ 0″ clayey sand
21′ 0″–28′ 6″ hard grey shaly clay.