

THE AMERICAN TUNNELING RECORD

AGAIN BROKEN

BY **LEYNER-INGERSOLL** DRILLS

817 feet of 7'-6" x 10'-0" Tunnel in 30 Days,
Driven from a Single Heading

| | | |
|---------------------|-----------|---|
| Name of Tunnel | - - - - - | Rogers Pass (West End Pioneer Heading) |
| Location | - - - - - | Glacier, British Columbia |
| Contractors | - - - - - | Foley Bros., Welch & Stewart |
| Character of Ground | - - - - - | Slate with small quartzite bands |
| Drills | - - - - - | 3 Leyner-Ingersoll Water Drills on 9'-6" Cross Bar. |

CREW

| | | | | | |
|---------------|-----------|---|-----------------|-----------|---|
| Drill Runners | - - - - - | 3 | Trackman | - - - - - | 1 |
| Drill Helpers | - - - - - | 2 | Pumpman | - - - - - | 1 |
| Muckers | - - - - - | 8 | Walking Foreman | - - - - - | 1 |

Haulage was done by mules.

PERFORMANCE

| | | |
|----------------------------------|-----------|------------------|
| Average Advance per day | - - - - - | 27.84 feet |
| Best Day's Work (Nov. 27) | - - - - - | 37 feet |
| Best Week's Work (Nov. 23 to 29) | - - - - - | 220 feet |
| Total No. of Blasts | - - - - - | 140 |
| Rock Removed | - - - - - | 2270 cubic yards |

COMMENTS

The Superintendent, Mr. A. C. Dennis characterized the ground as follows—
"Driven down grade through rock that could not be broken over six feet per round."

The Assistant Superintendent, Mr. J. Fowler, comments as follows—
"Pump had to be placed in face before dropping bar to drill lifters. After the machine men had finished drilling the top holes of heading and while waiting for the muck to be cleared away they would oil the machines and have the hose lines connected, so that when bar was dropped and fixed the machines would be running in one and a half minutes. Have a very high opinion of your machines."

CANADIAN INGERSOLL-RAND CO., LIMITED.

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