

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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