Type of Clean Cut Made

This shows an 11-ft. 3-in. circle cut bored by the machine for about 2000 feet on a Detroit sewer construction job. Compare the following comparative costs. Under the hand method, the labor charge was as follows: 6 miners at $3.00 ea., 3 muckers at $2.75 ea., 1 to 4 car muckers at $2.75 ea. This force averaged 8 ft. per day of 8 hr.

With the machine there were two operators, one on the machine at $4 per day and one on the knife at $8 per day; two muckers in front at $2.75 per day; two men away, at $2.75 per day. This force averaged 12 ft. per day of 8 hr.

A Cost-Saver on Tunneling

The costs of tunneling by ordinary mining methods look big when compared with the cost figures made by this Tunneling Machine for clay, stiff sand and gravel formations.

The average number of feet tunnelled per day, by the more costly mining method, looks small when compared with the average daily drive of this machine.

The cut made by the mining method looks rough and crude when compared with the smooth, even surface made by this Tunneling Machine. No danger of marked overrun; the machine cuts true to line. No extra backing.

As a time, money and labor-saving proposition this demands your immediate attention. Write for further details.

Carpenter Construction Co.
Widicomb Bldg., Grand Rapids, Mich.
Dime Bank Building, Detroit