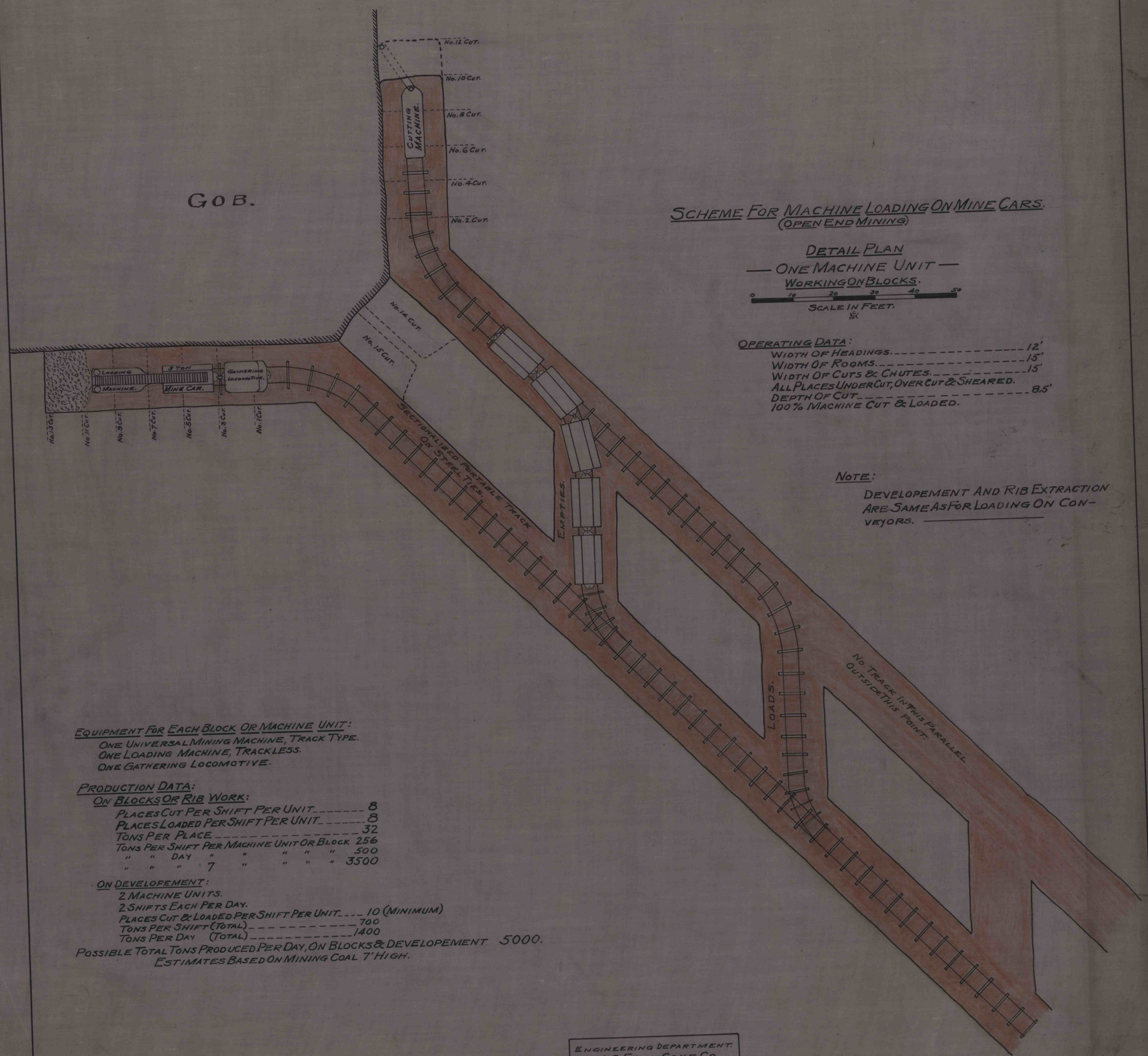

SCHEME FOR MACHINE LOADING ON MINE CARS.
(OPEN END MINING)

DETAIL PLAN
— ONE MACHINE UNIT —
WORKING ON BLOCKS.

0 10 20 30 40 50
SCALE IN FEET.

OPERATING DATA:

WIDTH OF HEADINGS	12'
WIDTH OF ROOMS	15'
WIDTH OF CUTS & CHUTES	15'
ALL PLACES UNDERCUT, OVERCUT & SHEARED.	
DEPTH OF CUT	8.5'
100% MACHINE CUT & LOADED.	

NOTE:
DEVELOPEMENT AND RIB EXTRACTION ARE SAME AS FOR LOADING ON CONVEYORS.

EQUIPMENT FOR EACH BLOCK OR MACHINE UNIT:
- ONE UNIVERSAL MINING MACHINE, TRACK TYPE.
- ONE LOADING MACHINE, TRACKLESS.
- ONE GATHERING LOCOMOTIVE.

PRODUCTION DATA:

ON BLOCKS OR RIB WORK:

PLACES CUT PER SHIFT PER UNIT	8
PLACES LOADED PER SHIFT PER UNIT	8
TONS PER PLACE	32
TONS PER SHIFT PER MACHINE UNIT OR BLOCK	256
" " DAY " " " " "	500
" " " 7 " " " " "	3500

ON DEVELOPEMENT:

2 MACHINE UNITS.
2 SHIFTS EACH PER DAY.

PLACES CUT & LOADED PER SHIFT PER UNIT	10 (MINIMUM)
TONS PER SHIFT (TOTAL)	700
TONS PER DAY (TOTAL)	1400

POSSIBLE TOTAL TONS PRODUCED PER DAY, ON BLOCKS & DEVELOPEMENT 5000.
ESTIMATES BASED ON MINING COAL 7' HIGH.

ENGINEERING DEPARTMENT.
H. C. FRICK COKE CO.
SCOTTDALE, PA.
MARCH, 1930.

87-II-7.