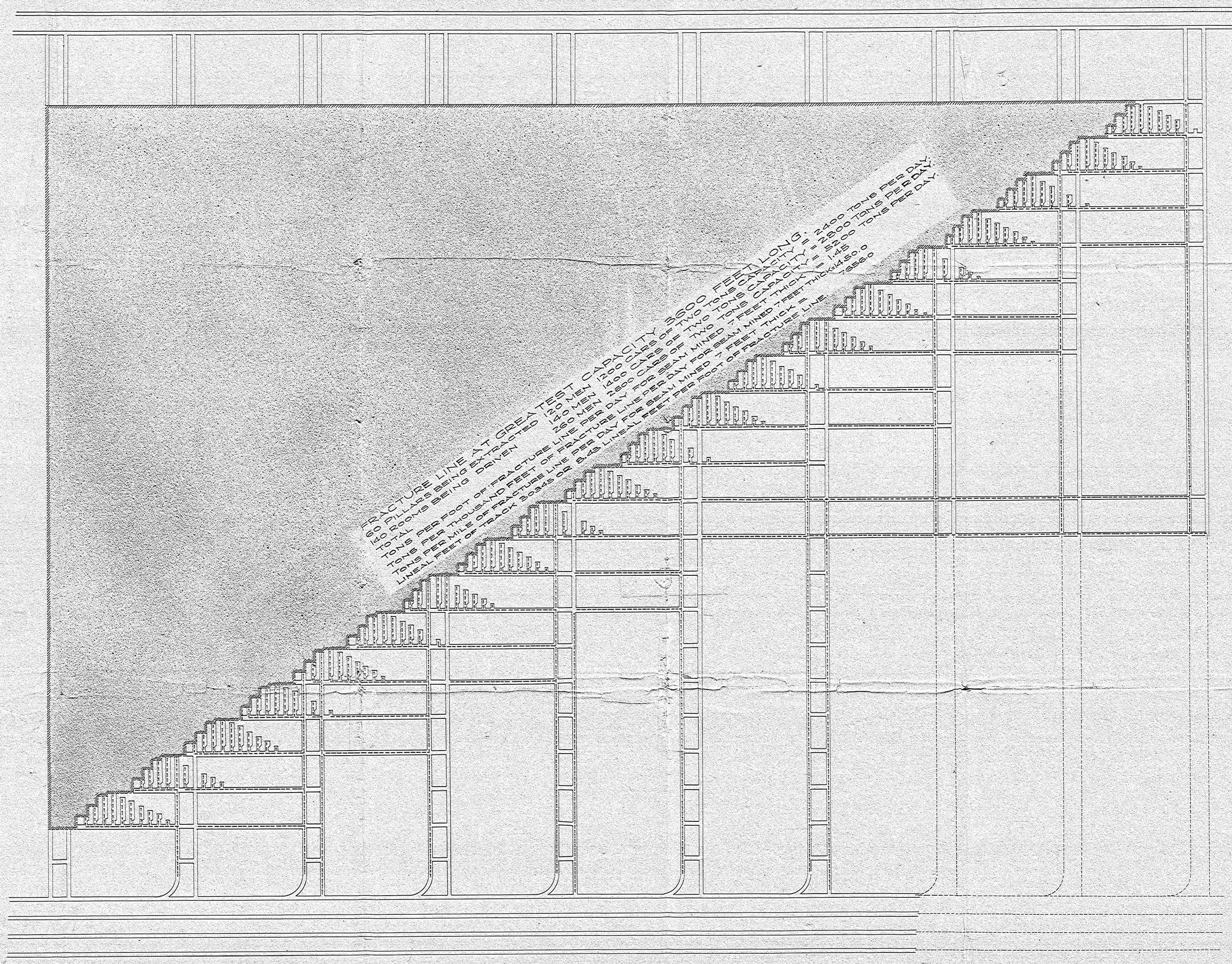


PLAN OF
SHORT WALL SYSTEM OF MINING
(WORKING ADVANCING)
ADOPTED AND IN USE IN THE MINES OF
H. C. FRICK COKE COMPANY

SCALE 1"=100' JAN. 1ST 1914

COPYRIGHT APPLIED FOR.

ADVANTAGES

SHORTEST DISTANCE BETWEEN FRACTURE LINE AND SOLID COAL, RANGING FROM 75 FEET TO 150 FEET ELIMINATING THE POSSIBILITY OF AN EXPENSIVE SQUEEZE RESULTING IN THE LOSS OF COAL.

MINIMUM AREA OF HEADING AND ROOM EXCAVATIONS (AND ALL ACTIVE) RESULTING IN MINIMUM LENGTH OF STEEL TRACK AND HAUL REQUIRED FOR TONNAGE PER FOOT OF FRACTURE LINE.

MINIMUM COST FOR MAINTENANCE OF TRACK, HAULAGE, VENTILATION, DRAINAGE, TIMBERING AND SUPERVISION FOR TONNAGE PER FOOT OF FRACTURE LINE.

IN THIS SYSTEM THE SPEED OF THE MOVEMENT IN THE OVERLYING STRATA IS LESS THAN THE ADVANCEMENT OF THE FRACTURE LINE, RESULTING IN BETTER TOP CONDITIONS AND GREATER SAFETY TO THE MINER.

63-I-11