



FRACTURE LINE AT GREATEST CAPACITY 3000 FEET LONG.
 60 PILLARS BEING EXTRACTED 120 MEN 1200 CARS OF TWO TONS CAPACITY = 2400 TONS PER DAY.
 140 ROOMS BEING DRIVEN 1400 CARS OF TWO TONS CAPACITY = 2800 TONS PER DAY.
 TOTAL 2600 CARS OF TWO TONS CAPACITY = 5200 TONS PER DAY.
 TONS PER FOOT OF FRACTURE LINE PER DAY FOR SEAM MINED 7 FEET THICK = 1.45
 TONS PER MILE OF FRACTURE LINE PER DAY FOR SEAM MINED 7 FEET THICK = 7660
 LINEAL FEET OF TRACK 30345 OR 8.42 LINEAL FEET PER FOOT OF FRACTURE LINE.

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
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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 HEADINGS 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.