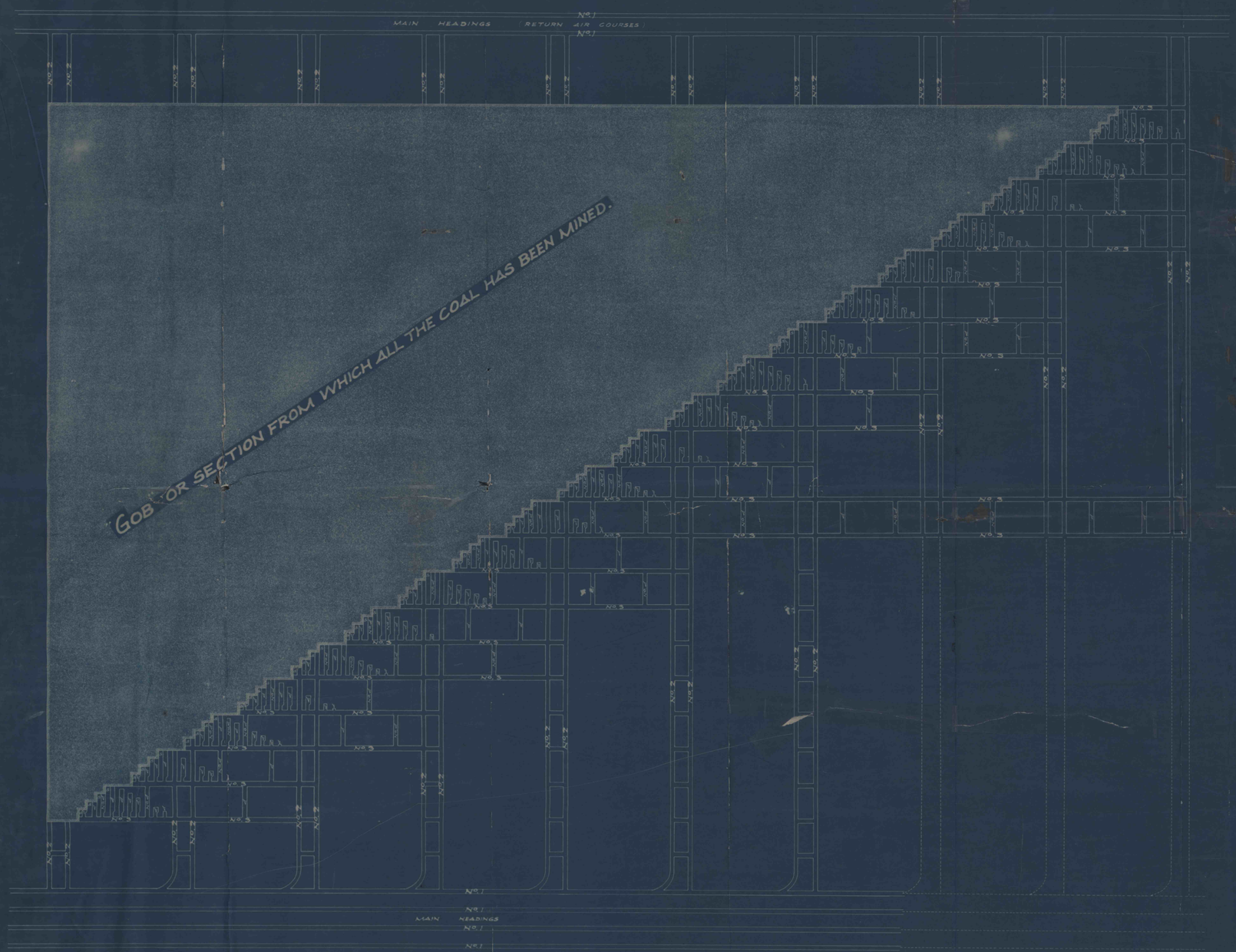

PLAN
OF
SHORT WALL SYSTEM OF MINING

DESIGNED BY PATRICK MULLEN – LECKRONE, FAYETTE CO., PA.

JAN. 1ST 1914

PATENT APPLIED FOR

ADVANTAGES.

SHORTEST DISTANCE BETWEEN FRACTURE LINE AND SOLID COAL 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 MULE REQUIRED FOR TONNAGE PER FOOT OF FRACTURE LINE.

MINIMUM COST FOR MAINTENANCE OF TRACK, HAULAGE, VENTILATION, DRAINAGE, TIMBERING AND SUPERVISION PER 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.

LEGEND.

No.1 MAIN HEADING EXCAVATIONS.
No.2 " BUTT "
No.3 " ROOM "
No.4 BUTT ROOM AND MAIN ROOM CUT THRU EXCAVATIONS.
No.5 NEXT PORTION OF THE RIB TO BE DRAWN.

63-1-11