

*Deficiencies.*—There were no payments made under the minimum-wage clause during the year.

*Accidents.*—Two serious accidents occurred at this colliery. On 28th May, 1948, a rope-boy suffered a fracture of the right tibia and fibula when crushed between two trucks. On 15th September, 1948, a trucker suffered a fracture of the right radius when caught between two trucks.

*Stone-dusting.*—This work was carried out regularly in the dry portions of the mine.

*Underground Workings.*—The output for the period was obtained from the completion of pillar-extraction in the Slant Dip section and from development work in the north-east Bayne Area and in extending the dip.

*Slant Dip Section:* On the completion of all pillar-extraction in December, this area was sealed with concrete stoppings.

*North-east Levels:* The development levels from the Friction Winch Dip were extended to within 7 chains of the north-east boundary of the Bayne Area. Twelve chains north-east of the main haulage both levels encountered a sharp synclinal fold trending approximately north and south, with associated vertical dips in the trough. East from the trough of the syncline the dips flattened to  $32^\circ$  and then increased again to an average of  $60^\circ$ .

Two rise headings with levels off them were driven outbye of the syncline on an average grade of  $27^\circ$  to develop the area to the south-west of the folding and to provide a new return airway for the north-east section.

The coal in this section, with the exception of that in the trough of the fold, was of good quality and of a minimum thickness of 8 ft. where steepening occurred. Chutes facilitate coal handling.

*Main Dip Haulage:* The now disused 340 ft. landing was graded out during the Christmas vacation and heavy-gauge rails were connected through, giving the use of the additional 450 ft. of haulage from the 144 ft. datum. This eliminated the need for two subsidiary dip haulages.

*Dip Extension:* From the west development dip sunk from the 144 ft. main level, a level was driven north-east and south-west at the 54 ft. datum. From the north-east Extension a rise at a normal grade of  $26^\circ$  was driven to connect with the bottom of the present main haulage. The level was then extended a further 108 ft. north-east and a parallel rise heading to the 144 ft. level driven for a return airway.

On the west side of the development dip the level was driven a distance of 3 chains in coal of excellent quality 8 ft. thick.

The sinking of the Main Dip was recommenced, and at a datum of 28 ft. another level was begun with the object of developing a panel area to the dip on each side of the main haulage.

On this and the level above the quality of coal to the north-east has shown some inconsistency, patches of soft coal being encountered whilst to the north-west and south-west a general thinning of the seam is indicated.

*Main Sump:* A level 6 chains in length providing new standage for water was driven below the north-west 144 ft. horizon.

*Reconditioning:* The reconditioning of the main return airway above the 340 ft. level and to the north-west of the main haulage was completed for a distance of 3 chains.

*Pumps:* With the completion of the new bottom sump, a scheme to rearrange the pumping system and eliminate the necessity of dewatering in three lifts was commenced and it is now nearing completion.

*Winches:* Six winches on order from overseas were delivered and five put into service.

*Electric Cables:* The main feeder underground was replaced with one of higher carrying-capacity, and with the installation of a new sub-station at 144 ft. level a new cable was laid into the north-east section.