The "ARCHES" in the 1950's
BRITISH ELECTRICITY AUTHORITY
CWMORTHIN PROPOSALS
FFESTINIOG
HYDRO-ELECTRIC SCHEME
1951-52
OAKELEY SLATE QUARRIES - LOWER QUARRY

DEVELOPMENTS in the PEAK QUARRY Ca. 1952

Fig. 159
OAKELEY SLATE QUARRIES

LOWER QUARRY

'C' INCLINE MOTOR & DRUM HOUSE

KEY

1) Consumption Meter
2) Lightning Arresting Coils
3) Main Oil Switch
4) 200HP Liquid Resistance Controller
5) Reversing Switch Position
6) Later Liquid Cooling/Circulation Tank
7) Air/Hydraulic Brake Cylinder
8) Brush Gear & 200HP BS90 Motor
9) Brake Wheel on Motor Shaft
10) Cast Motor Base Frame
11) 1:5 Gearing
12) 'Star' Coupling of Gear to Drum Shaft
13) Wood Lagged Winding Drum
14) Brake Level Pivot
15) Clutch Lever Pivot
16) Dog Clutch
17) Clutch Locking Pins
18) Drivers Stage
19) Resistance-Speed Control Levers
20) Main On/Off Switch Levers
21) Motor Brake Levers
22) Link Rod to Safety Catch Shaft
23) Safety Catch Return Weight
24) Safety Catch / Stop Blocks
25) Original Drive from Steam Engine House
26) Cut-off Valve on Air Supply to Brake

NOTE: Rope burns on both top and bottom of main beams indicate that winding ropes have worked over and under stage - latterly over.