WYOMING BASIN, LUZERNE COUNTY, ANTHRACITE DISTRICT. CHAS. A. ASHBURNER, GEOLOGIST IN CHARGE. NORTHERN COAL FIELD COLUMNAR SECTION SHEET Nº III. No.20.
Mine Sheet No.VII.
KINGSTON N°I. SHAFT
FROM SURFACE THROUGH
CHECKKIR HEADAT 347 '2'
INTO SANIESTONE 346'0'. No.II.

Mine Sheet No.VII.

DIAMOND DRILL BORE HOLE
ON LINE BETWEEN
SWOTER & MALTEY PROPERTIES No.21. Mine Sheet No VII.
KINGSTON Nº3 SHAFT
FROM SURFACE TO
BENNETT BED.
K.C. Go. No.19. Mine Sheet NaVII.

EAST BOSTON SHAFT
FROM SURVACE TO
RED ASH BED.
W. G. Payne & Co. COLUMNAR SECTIONS J. H. Swoyer OF THE COAL MEASURES No.7. No.18.
Mine Sheet No.VII.
BLACK DIAMOND SHAFT
FROM SURFACE TO
BENNETT BED.
Haddock & Steele. Mine Sheet No VII.
MALTBY SHAFT No.1 IN THE VICINITY OF FROM SURFACE TO
9 FT OR BENNETT BED.
L V. C. Co. WYOMING, MILL HOLLOW, KINGSTON No.10.
Mine Sheet No.VII.
DIAMOND DRILL BORE HOLE
NEAR FORTY FORT BREAKER
FROM SURFACE TO
CONGLOMERATE.
J. H. Swyrer. No. 9. AND PLYMOUTH Mine Sheet NoVII. O State LUZERNE COUNTY, CONSTRUCTED FROM MEASURMENTS OBTAINED FROM THE No.5. COMPANIES NAMED IN THE INDIVIDUAL TITLES Mine Sheet NoVII. AND FROM THOSE MADE BY THE 7/200 2 - /: SECOND GEOLOGICAL SURVEY. THROUGH COAL SEAM AT 328 5' INTO SANDSTONE AT 338' 5 21.0 Shaly Sandsto L.V. C Co Scale: 40 feet to 1 inch. 14,0' Clay 1.95 Course Sand and COAL LANCE BED 6 FT. BED 6 FOOT, BENNETT Mine Sheet No.VII.
TRIPP FARM,ROPE
DRILL BORE HOLE No.3
NEAR MILL HOLLOW
FROM SURPACE TO 4,4 Sandstone with souns of state and COAL Mine Sheet No.VII.
"HARRY E"SHAFT & DIAMOND 30'0' Hard Sandstone DRILL BORE HOLE
FROM SURFACE TO
RED ASH BED.
J. H. Swayer. Mine Sheet No.VII. 7. 95 State
Bony COAL
4. 0 State Total COAL BEDS 27, 1°
Total Thickness 230, 0° 'G' BED AT 288.10'

J. H. Swoyer See Note 3. 9 FT OR BENNETT BED No. 14. TRIPP FARM ROPE DRILL BORE HOLE No.1 FROM SURFACE THROUGH WASH. J.H.Swoper Total COAL BEDS 28'11'
Total Thickness 267'9' FROM SURFACE TO ROSS BED. Waddel & Walter State and Bone State and COAL 4. 6" Sandstone and State 6.0 Sandstone and State
3.11 State with COAL sean
COAL BED
1.25 State
1.0 State and Sandstone S FT or 'F' BED "Il" Sand Slate Bony COAL Sandstone and State 10 Slate COAL& Slate State with COAL Bony COAL 8 State Total Thickness 33 6 Fine Conglomerus
3 State
5 Sandstone
6 Sandstone 10' State COAL
State
COAL
TO State
COAL
ROSS SED No 8.
Mine Sheet No VII
ROPE DRILL BORE HOLE State 500 FEET NORTH OF MOUNT THOM. DRIFT, FORTY FORT. J. H. Swoyer. II',1" Conglomerate Total COAL BEDS 34.3% No. 6. Mine Sheet No.VII. MALTBY SHAFT No. 2 Total Thickness 215'0' No.15.

Mine Sheet NoVII.

TRIPP FARM ROPE DRILL BORE HOLE No 2. LVCCO No.2. Mine Sheet No.V. 4',11' Sandstone and COAL seams ROPE DRILL BORE HOLE
NEAR BOSTON MINES
FROM SURFACE TO
COOPER BED.
D.&H.C.Co. B'7" Stated Here Clay NEAR MILL HOLLOW 1'9" State FROM SURFACE THROUGH COAL BED AT 590 2 INTO QUARTZ ROCK AT 638 2 J. H. Swoyer 2', 8' Slate COAL and Bone 1.1' Slate 8'2' Slate COAL and Bone Total COAL BEDS 57'H'
Total Thichness 593.74 21,6 Quartz Rock 34.9 Surface and Broken Rock 9'8' Sandstone SKELETON MAP COAL BED 19,1" Hard gray Sandstone BOSTON SHAFT FROM SURFACE TO BALTIMORE BED. DAR.C.G. The record of this hole is published as reported by the drillers, its accuracy is however questioned since only three coal beds are shown. Total COAL BEDS 40'.11'
Total Thickness 394'.5" MINE SHEETS NO. VII 1'10' State 1,10' State and Bone 2', 3" Black State MINE SHEET NO.V POSITION OF THE COLUMNAR SECTIONS
ON SHEET III
Scale: I mile to 1 inch. Soft blue Clay J. B. Sate J. S. Soft Sandstone J. H. Slate and Fire Gay COAL Soft blue Clay Coarse Sandstone Total COAL BEDS 27, 9'
Total Thickness 471, 0' Fine Sandstone 1, 6° State 1, 2° Soft Sandstone K 1 N 6/3 57 COAL BED I The strata composing the different sections have been named locally and a similarity of name does not necessarily indicate a similarity in the character of the strata and vice versus. This does not capply to the following sections which were measured by the Godogical Surrey Mality Tunnel, (No.5 Mine sheet No.VII), Marry E. Tunnel (No.12 Mine sheet No.VII), Mill Hollow shart (No.17 Mine sheet No.VII).

The thicknesses assigned to the individual strata are their true thicknesses perpendicular to their bedding. In the case of the sections of sharts and bore holes the total heights of the sections to never as great as the depth, of the sharts and bore holes, except where they have passed through horizontal strata. Soft State Fire Clay Hard Sandste - 16:10 Very hard Sandstone 6 FT BED Fire Clay and Hard Sandstone 'C' BED Soft Sandstone
Fire Clay
Slate
9' COAL 267 Fire Clay with from balls The section of Black Diamond shaft (No 18 Mine sheet No. VII ) was reported by Mr I A Steam 3.The section of Black Diamond shall (No 16 Mine sheet No. 11) was reported by the L.A. Neurins.
The section was obtained by Mr. Secars From Mr. Chas Historison, former operator of this folliery.
Since this section was engraved, Mr. Jas. B. Duris, Supt. Br Buddock & Sted, who now work the
Obliery, has Intrushed the Gentequout Survey with a section of the shall recently measured (not
corrected for dip) as Pollows. 100 of Wash [Quicksand and Grard.) 10 of State, 4 of Lance Bed,
46 of Sandstone, 6 of Cooper Bed, 36 of Sandstone, 7 of Bennett Bed. Answ shall 160 north of
the old, shart is being surk (Sapt. 1864) and has passed through 105 of Mash overlying
the Lance Bed. State 4'1' COAL BED 16,6 Sandstone Total COAL BEDS 32'1'
Total Thickness 164'1' 16'0 Fire Clay 24.9 9,10' Sandstone 5,0 State Note: For additional columnar sections within the area embraced by Mine Sheets Nos. Vand VII, see Columnar Section Sheets Nos. I and IV. Total COAL BEDS H. 8'
Total Thickness 638.2' Total COAL BEDS 110'8'
Total Thickness 865.7' Total COAL BEDS 8:#' DEPARTMENT OF ENVIRONMENTAL RESOURCES REFERENCE SURVEY MAPS
MINE SHEETS N° V AND VII
CROSS SECTION SHEETS N° . III AND IV. ASSISTANT GEOLOGIST, FRANK A HILL

so the of Nature SEPTEMBER 1884.

ASSISTANTS, O.B. HARDEN. , Sept. ,
T. J. WILLIAMS, from June 1883 to April 1884
AID, A.D.W.S.MITH.

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