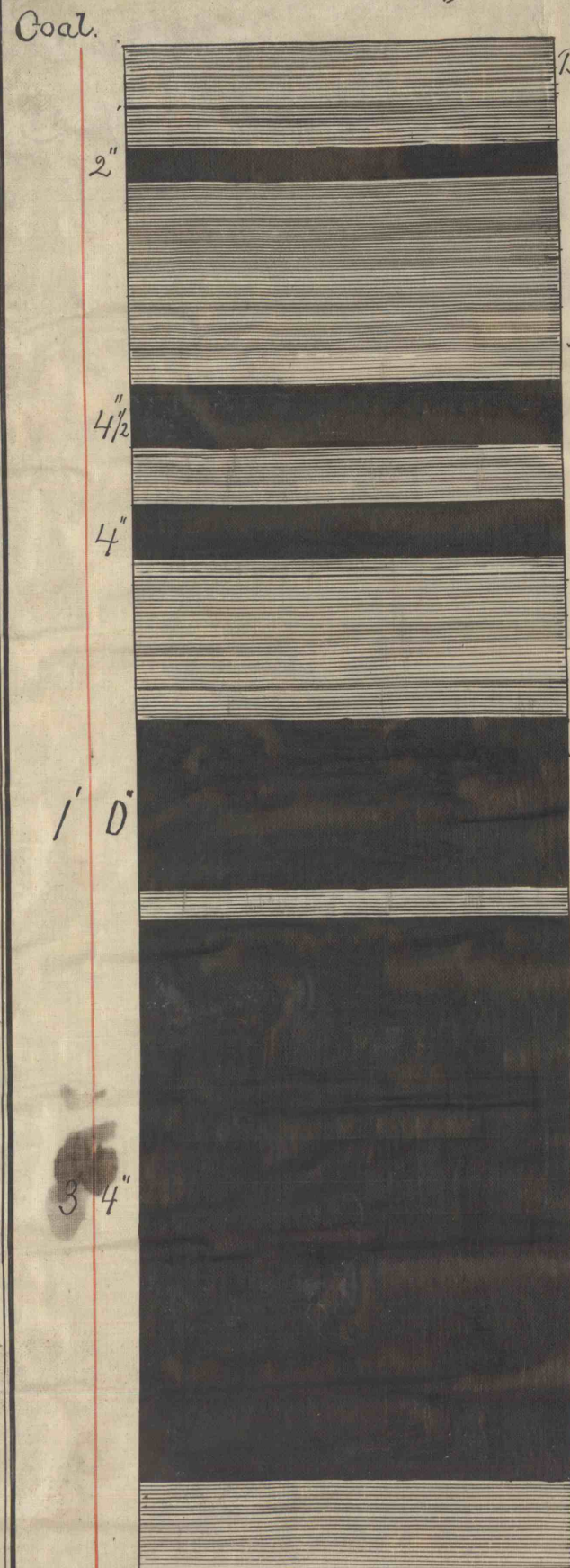


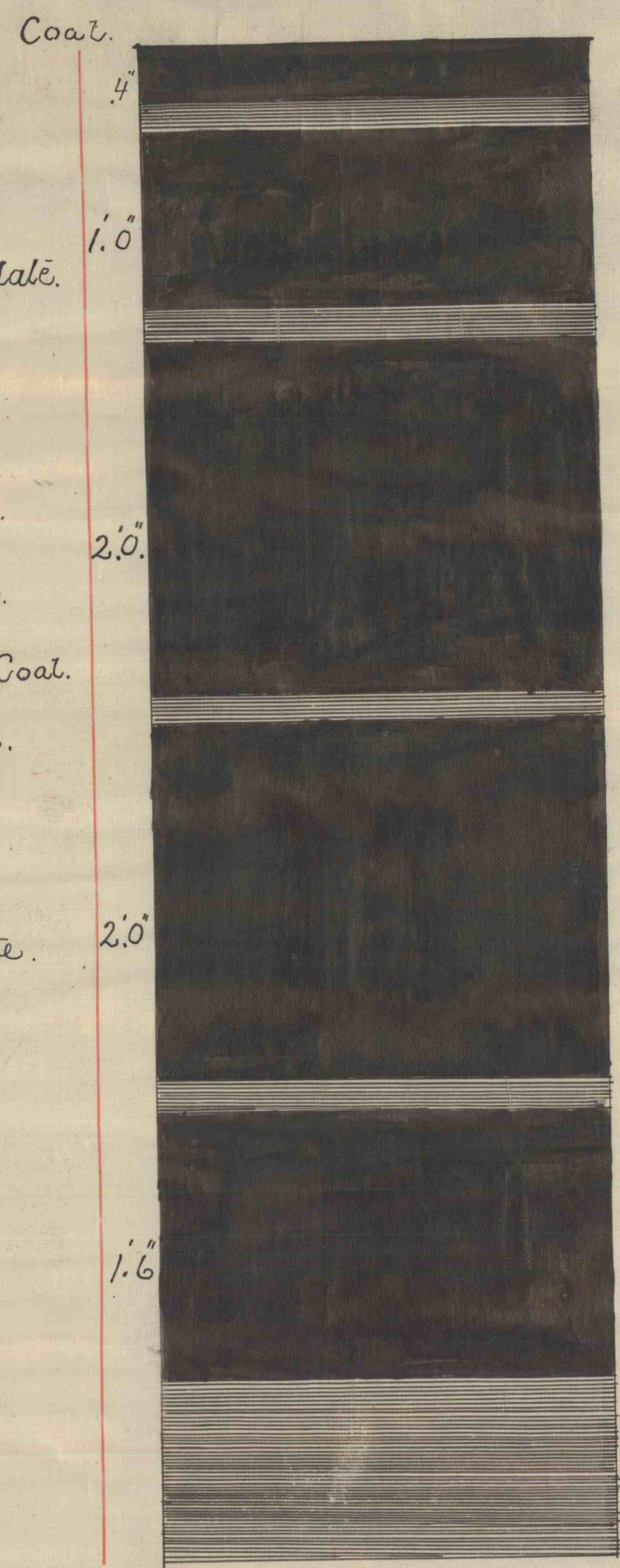
*Buck Mountain Vein
Packer Colliery.*



Refuse.
Boney Coal.
4" 4 1/2"
3" Slate.
1' 0" Hard Slate.
2 1/2" Slate.
4" Slate.
1" Slate.
8" Boney Coal.
1 1/2" Slate.
2" Slate.

5' 2 1/2" Coal 5' 2 1/2"
Refuse. 3' 8 1/2"
Total thickness. — 8' 11"

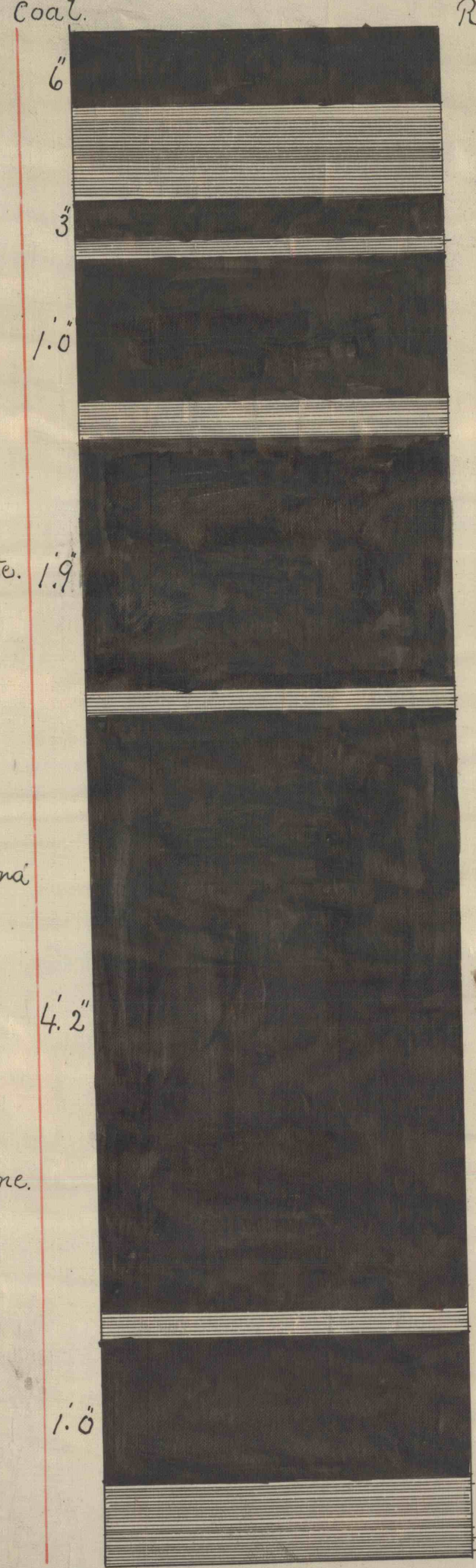
*Buck Mountain Vein
West Shenandoah Colly.*



Refuse.
2" Slate.
2" Hard Slate.
2" Hard Slate.
2" Hard Band Bone.
1' 0" Dirt & Bone.

6" Mining Dirt.
6' 10" Coal. 6' 10"
Refuse. 1' 8"
Total thickness. — 8' 6"

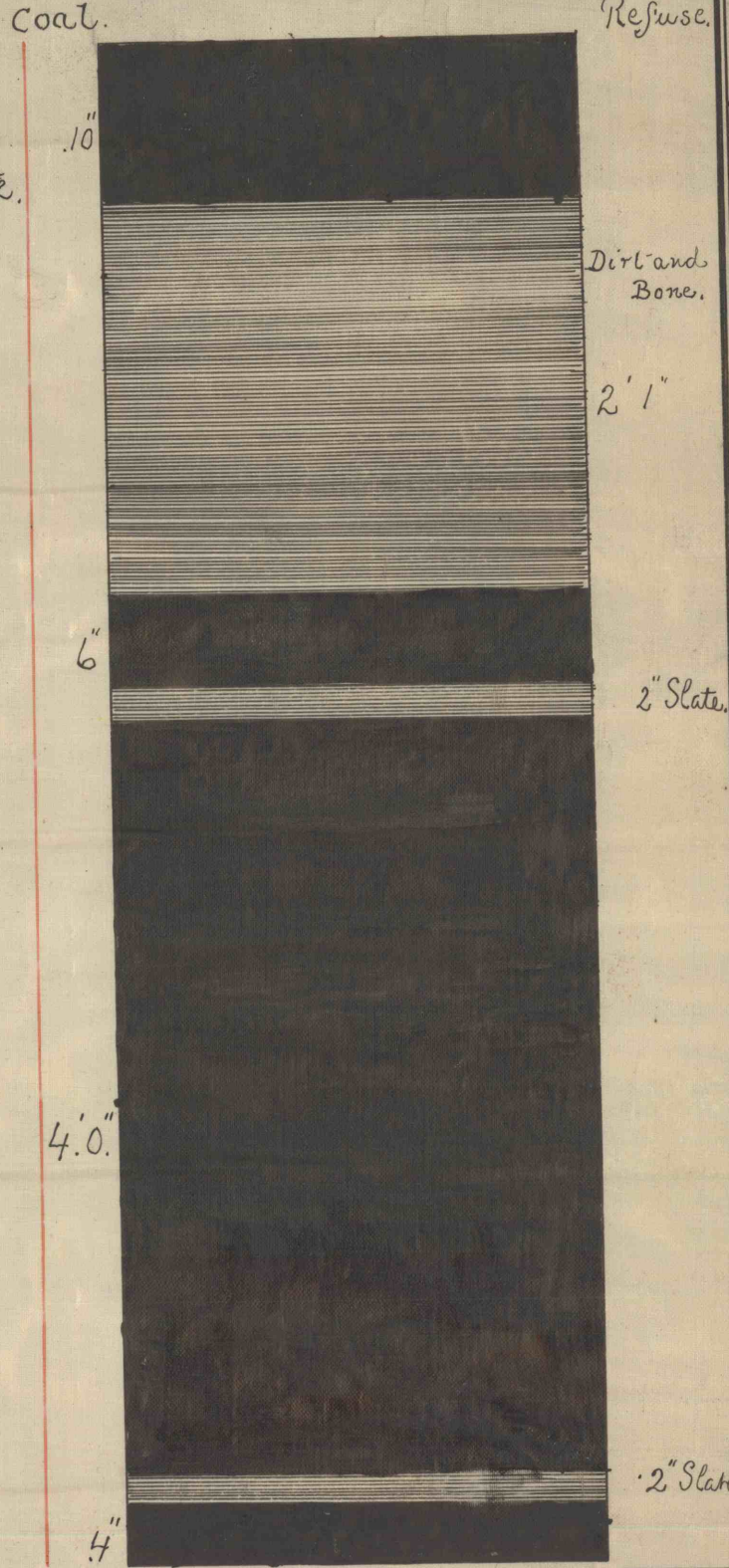
*Vein at Face of Tunnel
William Penn Colliery.*



Refuse.
8" Bone & Slate.
1 1/2" Slate.
3" Slate.
2" Slate.

8' 8" Coal 8' 8"
Refuse. 1' 10 1/2"
Total Thickness — 10' 6 1/2"

*Seven Feet Vein
West Shenandoah Colly.*



5' 8" Coal. 5' 8"
Refuse. 2' 5"
Total Thickness — 8' 1"

2" Slate.
6" Dirt.

1' 10 1/2"

Pottsville. October 27th 1881.

Mining Engineer.

Scale 1 ft = 1 in.