

MAP OF SOMERSET TOWNSHIP

BELMONT CO. OHIO
SCALE 2 INCHES = 1 MILE

PITTSBURG COAL

This forms the southwestern corner of the township within the limits of the township the coal varies more than elsewhere in the county. On the west side of the township the coal thins, but is mined at a number of places. In section 31 in the southwestern corner of the township, however the coal is represented by a black streak only or is entirely wanting. The same is true along the southern margin of section 25. In such places the horizon of the coal is sometimes determined by the limestones.

The coal is everywhere below drainage in the township except in the two western tiers of sections. It has long been mined at Temperanceville and vicinity and in the valley in the northwestern corner of the township. Section 11 was taken in the Jeffries bank at Temperanceville.

SECTION 11

- 4. Shale, unmeasured ----- Ft. In.
- 3. Coal, ----- 0-10
- 2. Shale and pyrites, rejected ----- 0-3
- 1. Coal, ----- 3-0

The upper part of the seam contained three very thin pyrites and shale partings, and substantially the same is true of the lower or principal part of the seam. Occasionally films of pyrites are found in vertical cracks in the coal.

This section is another illustration showing how the Pittsburg coal loses its well known structure along the western margin of the field in this part of the state. The structure is more like that of the Meigs Creek seam than of the Pittsburg, though it undoubtedly belongs to the latter.

The Jeffries mine supplies the village and surrounding farmers with fuel. The coal is fairly hard and has a good roof. Below the coal the thick beds of limestone are found which are so common throughout the County. In fact these limestones are sometimes more persistent than the coal itself.

Chemical analysis and calorific value of section 11:

ULTIMATE	PROXIMATE
Carbon ----- 68.77	Moisture ----- 4.05 (10)
Hydrogen ----- 4.89	Volatiles matter ----- 37.08
Oxygen ----- 9.68	Fixed carbon ----- 48.23
Nitrogen ----- 1.10	Ash ----- 10.61
Sulphur ----- 0.95	
Ash ----- 10.61	

Calorific value 6,931 calories.
(a) Sample slightly wet, Moisture passible one-half per cent high on this account.
(b) Moisture in the air-dried sample about 3%
Below is a record of a diamond drill test made at Somerton on the eastern side of the township:

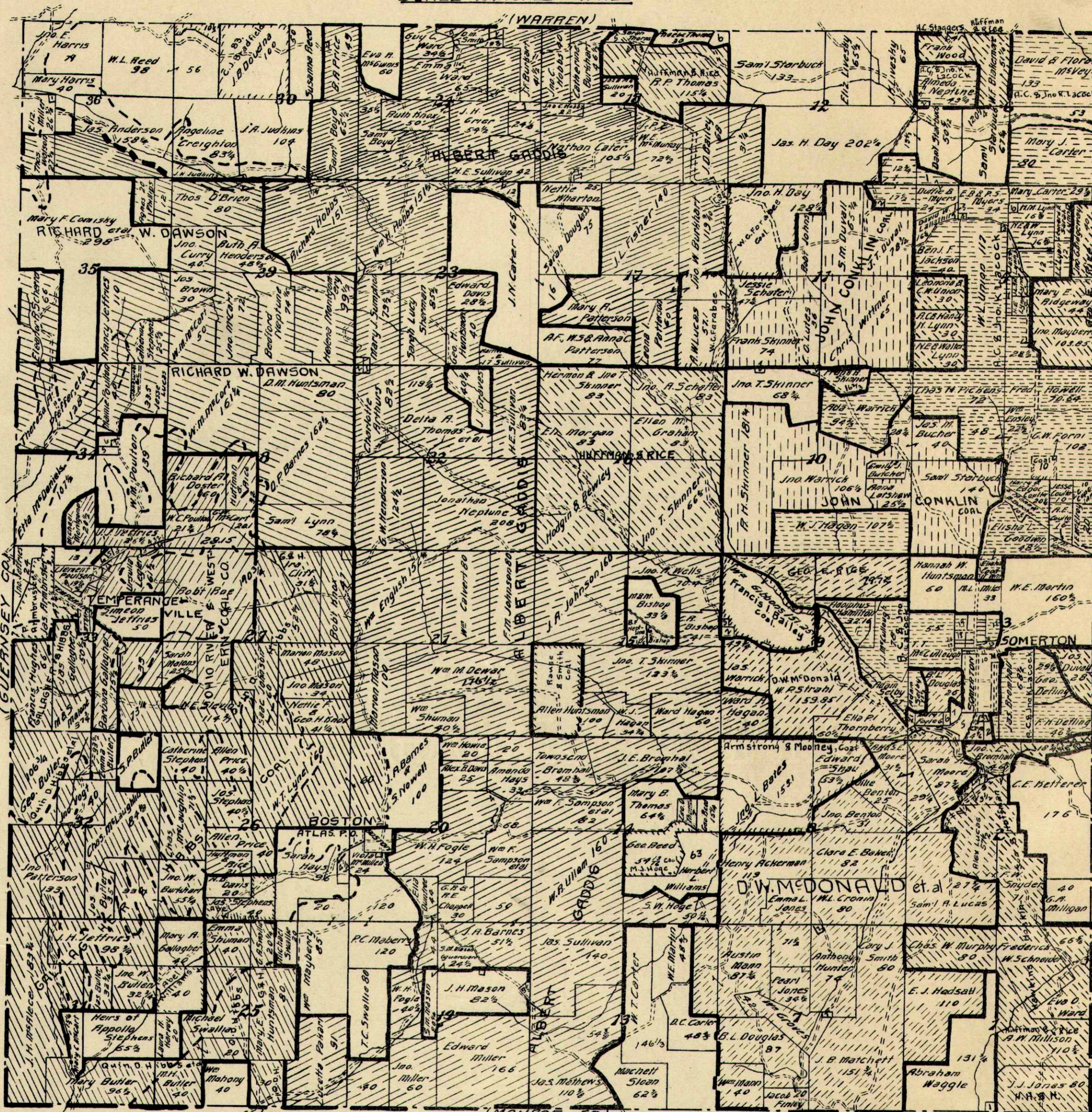
	Ft.	In.
Surface	11	00
Soft yellow shale	1	06
Gray sandstone	61	02
Fire clay, limy	0	04
Slate and coal, MEIGS CREEK No. 9	1	09
Limy shale, dark	0	05
Limestone	2	10
Hard dark shale	0	03
Limestone	0	06
Cement rock	1	06
Limestone	0	07
Limestone with fossils	0	06
Dark shale, hard	0	02
Limestone	3	00
Black shale, hard	0	03
Limestone	1	03
Cement rock	3	06
Greenish sandy shale, with lime nodules	1	06
Clay shale	14	00
Greenish shale, sandy with little lime	4	00
Lime or iron nodules	0	03
Gray sand shale	5	00
Gray sandstone, place of Redstone Coal	30	00
Dark gray shale with thin sandstone bands	2	09
Gray sandstone	1	05
Dark gray shale	0	03
Gray sandstone	2	03
Dark slate with fossils	3	04
Slaty coal	0	03
Dark slate	2	11
COAL, PITTSBURG, NO. 8	4	07
Dark slate	0	02
Hard dark limy shale, fire clay	3	03
Shale with limestone nodules	0	09
Limestone	1	00

TOWNSHIP ACREAGE

Pit and Cultivated land	4596.315 Acres
Meadow & Pasture land	13632.7574 "
Uncultivated and Wood "	3600.0463 "
	21829.1197 "

TOWNSHIP VALUES

Land	78.28 Per Cent
Houses	15.11
Barns & Stables	5.97
Mills & Factories	.02
Other Buildings	.64
	100.00



This shows a feet 4 inches Pittsburg seam, but less than two feet of the Meigs Creek while the Pomeroy or Redstone coal is wanting. Another test was made in the north-west quarter of section 21 near the center of the township. This showed a feet 2 inches Pittsburg coal, but none of the Pomeroy or Meigs Creek seams. For these records the survey is indebted to Hon S. L. Mooney of Woodsfield.

MEIGS CREEK COAL

Nearly the whole of this township is underlain with the Meigs Creek coal. Very few exposures of the seam are found, however, owing to its being so generally below drainage. In the extreme northeast corner of the township, on the Starbuck farm, section 6, a bank was opened a few years ago. The writer was not able to enter the mine, but learned that the coal measures about 4 feet in thickness.

On the western side of the township the coal has been mined near Temperanceville on the Austin Gallagher farm in section 33. The seam is reported to be 2 1/2 feet thick and contain many impurities. The coal has been mined in every small way at a number of places. In the southwestern corner of the township, especially along the stream which heads near Boston (Atlas P.O.) and flows southwest into Monroe county. On the Shuman farm, northwest corner, section 25, the following section of the coal was furnished by the proprietor:

	Ft.	In.
Soapstone	0	06
Coal	1	00
Soapstone	0	02
Coal	0	10

The coal is reported to vary in this locality from 2 1/2 to 4 feet in thickness and to be very impure. In the valley of Captina Creek at Somerton several wells for coal have been drilled. One found the Meigs Creek coal at a reported depth of 90 feet and another at 93 feet. The

seam is said to be about 4 feet in thickness. The Pittsburg or No. 8 seam lies about 72 feet below the Meigs Creek and is reported to be 4 feet 10 inches thick. A higher coal known as the 'Hill or Three-foot seam' has been mined at a number of places in the southern part of this township. On the Yocum farm, just south of Somerton, this coal formerly supplied the village grist mill with fuel. The mine is said to have been abandoned because of trouble from water. Usually this seam is less than 3 feet in thickness and sometimes about disappears. It is of poor quality. Practically speaking this entire township is underlain with the Pittsburg coal which as yet has scarcely been touched. The same is almost equally true of the next higher seam, the Meigs Creek. The 'Hill or Three-foot' seam is smaller in area and otherwise inferior. Obviously this township contains a very large quantity of fuel.

(OHIO GEOLOGICAL SURVEY)
Fourth Series Bulletin 9

SMALL TRACTS

Sec. No.	NAME	Acres	C.
1	G. G. O'Dowd	2.	
2	H. S. & J. S. Wilson	1.5	
3	Robert Richne	1.	
3	A. H. & S. E. Moore		a
3	Amos P. Thomas	3.5	
3	A. B. Thomas	3.6	
3	Cemetery		
4	"		
5	H. S. & J. S. Wilson	8.75	
6	Robt Gibbons	3.25	
7	Leander Warrick	4.	a
8	Elta Powell	3/8	
9	Herbert Howell	3 3/4	b
10	G. H. A Memorial Assoc.	.5	
11	M. E. & M. Shinner	.5	
12	David M. Brown	.5	
13	Ella Whiteacre	2.25	
14	T. T. McCullough	1.	
15	Mary L. Fink	2.85	b
16	Mary J. Gates	1.5	
17	A. C. Miles	5 1/2	b
18	Carl G. Thomas	4.5	c
19	E. E. Dellins	4.5	b
20	A. H. Moore	.75	
21	H. E. J. S. Wilson	2.5	
22	Geo. B. Gibbons	2.00	
	SOMERTON		
	Wilson Thomas	1/4	c
	Barnesville & Somerton Pike	1/4	
	J. M. Johnson	1/4	
	Harry Thomas	1/4	
	Minerva Sivar	1/4	
	I. A. Hodgins	1/4	
	Frank Mason	1/4	
	G. E. Sivar	1/4	
	Mary J. Morris	1/4	
	Willa Thomas	1/4	
	W. A. Beever	1/4	
5	H. M. Linn	5.	c
1	State of Ohio	2.5	
3	Chas Woodland	.75	
4	School		
5	Benj. Jackson	1.	
6	A. M. Briggs	2.	
7	State of Ohio	.5	
6	Rachel A. Duffie		
	R. J. Myers	3.25	
2	Church		
7	W. H. Coleig	2.5	
2	School		
9	W. T. Gibbons	2.	
2	School		
10	Jno. H. & Nancy A. Martin	1.	
11	Robt G. Johns	4. 1/2	
12	Colored School	1. 1/2	
13	Phillip S. Myers	1. 1/2	
13	Garrie Daniels	2.	
18	Elizabeth Baker	1. 1/2	
2	"	1.	
3	Louisa Starkey	3.	
4	Ella C. Baker	2.5	
5	E. M. Deever	3. 1/2	
6	Ruth Plumley	6.75	
7	School		
20	Andrew West	7.	a
2	W. C. Wheatley	2.5	
3	M. A. "	2.5	
4	Alex. B. Davis	1.	
22	Cemetery		
23	Church		
23	Richard Hobbs	3.	e
2	A. W. Lynn	5 1/2	e
24	Jos & M. Burkhart	7. 1/2	e
2	F. R. Turner	3. 1/2	e
3	Hing Lynn	1.1	
4	Walter Beadle	5.2	
30	Isaac W. Price	1.	e
32	School		
33	School		
2	Alc Stires	1.	
3	Joshua Poulton	1.	
4	J. J. Jeffries	2.25	
5	Mahlon Miller	1 1/2	
6	Reb. Brown	3.75	
7	A. L. Doster	1 1/2	
8	Leo. Peckory	1 1/2	
9	Jno. E. Coine	.25	
	TEMPERANCEVILLE		
	Hate Legler	1/8	
	Mary A. Slevin	1/2	
	Emma Turner	3/5	
	Mary A. Turner	1/2	
	Nancy Brown	1/4	
	Chas. Gallagher	1/4	
	J. F. Hackett	1/4	
	M. & A. Boardley	1/4	
	Wm. Jeffries	1/4	
34	Sarah N. Pittma	.75	
2	Jno. Poulton	.75	
3	Jno. A. Poulton	.25	
4	Joshua Poulton	.75	
5	Bosanna Miller	.7	
6	Phillip & Mary	4.	
7	P. E. Carpenter	1.	
36	Chas. House		

(a) D. W. McDonald et al.
(b) S. C. & Jno. K. Lacock
(c) Huffman, Slaggers & Rice
(d) Louisa A. Brown
(e) Albert Gaddis

G. B. HARTLEY
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