



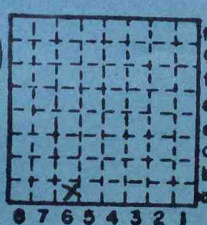
Form 180 Blue

Seymour C.C., "Freeman Spur"

(Cartersville + Newin C.C.,
#1 of Jeffrey)

mi. 61
BM 27

426
S-17



Sec. 22 AL

T.	M.
	8 S.
R.	2 E.
	W.

Index No. 0322





Mine originally operated by: (1) Carterville-Herrin C. Co.

Date 1902

S-17

Original name or number:

Illinois Coal Report

p. 1882-1930

LATER OPERATORS

Date	Operator	Name or No.
2 1916	Pratt Bros. Coal Co.	
3 1929	Darterville Herrin C. Co.	
4 1933	Seymour Coal Co.	
5 1946 (navy)	Freeman Coal Mining Co.	Mine #2
6		
7 1948	Seymour Coal Mining Corp.	"Freeman Spur"
8		
9		
10		
11		
12		
13		
14	215'N 80'E of SW corner	SE SW (1948) 1946 OK

From SW cor. SE of SW. 22

Coal location Rly

130 E 220 N

* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned Shaft

S-17

IDENTIFICATION

County No. 426

Coal No.

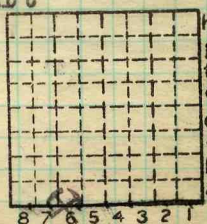
6

Quad. W. Frankfort

Part

(1948) 8th

County William son



Sec. 22

T. 8 N. S.

R. 2 E. W.

Index No.

COAL MINE OPERATOR

0322 a6



No.	Period						Tons	
	Mo.	Day	Year	Mo.	Day	Year		
						1935	396	812
17	1	1	1936	12	31	1936	438	239
17	1	1	1937	12	31	1937	316	102
S-17	1	1	1938	12	31	1938	456	166
						33	8	322
						34	286	363
						1939	543	701
						1940	570	685
S-17	1	1	1941	12	31	1941	655	137
S-17	1	1	1942	12	31	1942	671	130
						1943	788	512
						1944	800	544
						1945	740	304
						1946	661	281
						1947	627	105
						1948	526	028
						1949	331	734
						50	366	590
						51	336	363
						52	219	002

#18

6288778

6727017
6288778
437339

SUMMARIES

No.	to	No.		
1902		1930	6 288	778
			6727	017

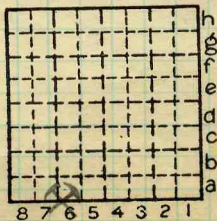
Railroad, Wagon, Idle, Abandoned

S-17

IDENTIFICATION

County No. 426 Coal No. 6

Quad. W. Frankfort Part
County Williamson



Sec. 22

T.	8	S.
R.	2	E.

Index No.

0322-a-6



LOCATION AND ELEVATION

Location: N side ILLINOIS CENTRAL side

R. R. R. R.

side Highway No.

on top. map

Location sheet Map File # 5-28-21

Elevation: Method, 1. Est. () ft. 2. Inst. (kind Hand Level) 410 ft.

By G.H.C. NB 79 p. 83-J8 Data sheet

DEPTH

Authority To coal 134 ft.

Authority Rail to rail ft.

Top of coal above rail. (Est. Rule) ft.

To coal 1600 ft.

ALTITUDE OF TOP OF COAL

By estimated data

By instrumental data

276 ft.

Thickness

Max. in. Min. in. Aver. 108 96 in.

GEOLOGICAL DATA

Mine notes, date 1912

Coop No. Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Table with 4 columns: Analyses Face, U. I., B. M., Others. Rows include Car, Org. Sulf, Ash fusion, Ash anal., #61.

Classification R.I. 132 U.C.I. 147

Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

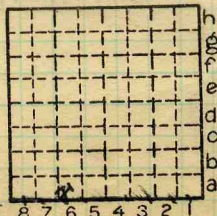
County No. 426

Coal No. 6

Part

Quad. W. Frankrot

County Williamson



Sec. 22

T. 8 S.

R. 2 E. JV.

Index No.

03 22 a6

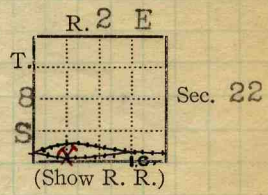
COAL MINE LOCATION AND DATA



Town, Herrin
 Local Authority,
 Level: Auth., Cady; NB79-p83
 Method, HL

Surface alt., 410 ft.
 Depth to coal, 134 ft.
 Alt. top coal, 276 ft.
 Thickness: Av. 108 in.
 Max. 114 in., Min. 96 in.

R. R., Ill. Cent, CB&Q, ~~St. Louis~~ Mo. P.
 Location: authority, Cady; top. map



GEN'L COAL REPT.
 Operator #426 Mine Name or No.

19 04 Carterville & Herrin Coal Co Jeffrey

Successor to
 Date
 Succeeded by
 Date
 Succeeded by
 Date

~~Pratt Bros.~~
 629 Palace Bldg., Minneapolis, Minn.

Jeffrey #1

PRODUCTION.

					Fiscal		U. S. No.	
1915					167	304		907
26	Daily Cap		2500 Tons					
1927		278	588					
1928								
1929	Sale							
							1930	# 14

Geol. Notes? Yes Coop. No. 61 Coal secs.? 4
 Analyses No. 5121-33-34, 19714, 17719, 17721, 362, 17720
 Examined by Grout; HFB; GHC; Kay Ref.

Coal bed name: Local Survey No. 6
 County Williamson Index No. 0322.31

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.



STATE GEOLOGICAL SURVEY.

COUNTY

Williamson

0322

TOWNSHIP

8

RANGE

2

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

MN/912

Operator *Chicago Herrin Coal Co.*

Office address *Herrin*

Mine name or number *Jefferys.*

Surface at mine is *400* feet above sea level
or about *—* feet (above) (below) railroad
station at *—*

Depth to bottom of coal is *150* feet

Average thickness of coal is *9* feet *—* inches

Kindly note changes in name and address

0322

02:22



COAL MINE NOTES.

0322

COUNTY *Williamson*

TOWN *Herrin.*

MAP No. ~~0322~~ *

T. *8S*

R. *2E*

S. *22 SE. 1/4 SW 1/4*

OPERATOR *Corterville & Herrin Coal Co.*

OFFICE *Herrin.*

MINE *Jeffrey.*

TIPPLE

ENGINES

BOILERS

DRUM

SHAFT

CAGE *Hr H.*

HAULAGE *Mule*

CARS *4400 lb. capacity.*

VENTILATION *Fan.*

DRAINAGE *2 Cameron and a national pump.*

SPRINKLING

WORKING SYSTEM

MINING METHODS

*Mine off solid.
Draw pillars where possible.*

SIZE OF ENTRIES—MAIN *10* CROSS *10* ROOM *20'* NECK *10'*

SIZE OF PILLARS—MAIN *30* CROSS *30* ROOM *30*

SHAFT CHAIN BARRIER

AMOUNT OF TIMBERING

SIZE

PROPORTION OF COAL UTILIZED

AMOUNT AND CHARACTER OF WASTE

ACREAGE OF COAL MINED

ACREAGE OF COAL REMAINING

PROPORTION OF MINE RUN AND SCREENED COAL

METHOD OF SIZING *screens.*

RESCREENED

SIZES *2 1/2" 4" 6" lump.*

PER CENT *40% 22% 20% 18%.*

PROPORTION AND SIZE OF WASHED COAL

DAILY OUTPUT

UTILIZATION

MARKETS

FREIGHT RATES

SELLING PRICES AT MINE

~~0322~~

COAL LAND OWNED

LEASED

HELD IN FEE

0322

COST OF LAND OWNED

LEASED

HELD IN FEE

ADDITIONAL NOTES

on sizing see Bain H.B. 10 P. 46 to 49 inc.



0322

COAL MINE NOTES.

CONTINUED

OPERATOR *Cartersville + Hermin Coal Co.* MINE *Jeffrey.*
 ENTRANCE *Shaft.* NAME OF COAL BED *#6.*
 ELEVATION *410* THICKNESS OF COAL
 DEPTH TO FLOOR *143* MAX. MIN. AV.
 ALTITUDE OF COAL *267* *Top C = 134 as used in G.C. Report*
 LOCATION OF SECTION *Room #5, 1st West, on south side.*

No.	SECTION.	In.
1	<i>Ls.</i>	<i>6'-7"</i>
2	<i>Sand Rock</i>	<i>4'</i>
3	<i>Black Slate</i>	<i>18"</i>
4	<i>Sandy Shale</i>	<i>many feet.</i>
5	<i>Soft top coal</i>	<i>24"</i>
6	<i>Coal</i>	<i>69"</i>
7	<i>Blue Band. 1/2" or less.</i>	
8	<i>Coal</i>	<i>24"</i>
9	<i>Fire Clay</i>	<i>1' to 3'</i>
10		
11		
12		
	<i>Tape</i>	<i>Total</i>

SAMPLE No. *9126*

CAN No.

CONDITION *24"*

GROSS WEIGHT

TIME EXPOSED *69"*NOT SHIPPED *1/2" or less.*NOT INCLUDED *29"*

SECTION

Feet

X X X X
X X X X

PHYSICAL PROPERTIES BY NUMBERS

ROOF

FLOOR

DIP

FAULTS, ETC. *Several small faults reported.*

GAS

COLLECTOR *Grant*REFERENCE *M.B.7.P. 82.*DATE *0322*



COAL MINE NOTES.
CONTINUED.

OPERATOR *Cartersville & Herrin Coal Co.* MINE *Jeffrey.*
 ENTRANCE *Shaft.* NAME OF COAL BED #6 *0322*
 ELEVATION *410* THICKNESS OF COAL
 DEPTH TO FLOOR *143* MAX. *9'-6"* MIN. *8'-0"* AV. *108"*
 ALTITUDE OF COAL *267*
 LOCATION OF SECTION

No.	SECTION.	In.
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
Tape		Total

143
 SAMPLE No.
 CAN No.
 CONDITION
 GROSS WEIGHT
 TIME EXPOSED
 NOT SHIPPED
 NOT INCLUDED

SECTION	Feet

PHYSICAL PROPERTIES BY NUMBERS

Blue Band 1/2" to 2" , 21" to 24" above coal.

ROOF *Upper 18"-24" left in as roof. parting occurs at this point. above 1" to 24" draw slate, 12' Ls.*

FLOOR *Fire Clay 1'-3'. Lst.*

DIP *North. 17.89' in 300'*
Little cleat and irregular.

FAULTS, ETC.

GAS

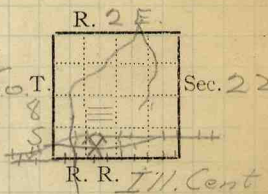
COLLECTOR *Cady.*
Bain

REFERENCE *N.B. 79-18*
N.B. 10-192.

0322
DATE *0322*

COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., *Jeffrey*
 3 miles E from *Herrin*
 Operator, 191 *Carterville and Herrin C. Co.*
 Operator, 191



Entrance, *shaft*. Elev., *410* ft. { above, *sea level.*
 below, *Iron Mt.*
 Depth to bottom coal, *160* ft. Alt. *250*

(Depth given in Coal Report 1936) SURFACE DATA.

- A. Topography *Almost level*
- B. Surficial materials, (1) Character

CGB See *267 base coal* Mine Map.

- (2) Thickness,
- (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

Shaft caved fall of 1911 but said to be result of decayed timbers, rather than from quicksand.

- C. Outcrops, (1) Character,
- (2) Structure,
- (3) Fossil horizons

See
See
See
See

Collection No.,
 (4) Evidences of subsidence, *100 yds S. 40° E. shaft.* See *X 1*

- D. Note collection of mine maps, drill records and shaft logs.

Mine map and profile. latter to be returned to Richard Dowson, Herrin Route #1.

See drill record sheet.

- E. Notes on surrounding area,

Oak Ridge mine has fault or strong dip, said to be break. NW-SE 300 ft W. of shaft. 20 ft drop to west. N.E. - S.W.

See

Coal bed name: Local, *#6.*

Collector, *Kay*
 Mine, *Jeffrey*

Co.

Survey

State No. *0322*

Co-op. No. *61*

UNDERGROUND DATA

F. Thickness of rock above bed worked,

(1) Important variations,

See

G. Note presence of strata having important effect on mining.

See

(1) Position,

(2) Character,

(3) Persistence,

(4) Other workable coal beds,

See

H. Cap rock, *Gray sh.*

(1) Thickness,

(2) Height above coal,

See X 1

I. Immediate roof *Gray sh., Top coal*

(1) Thickness, *top 20"* (2) Contact with coal,

clean except in rolls.

(3) Horizontal variation,

See X 1

J. Draw slate. (1) Thickness, *to 6"* (2) Contacts

smooth above and below.

(3) Persistence *Through out mine.*

K. Coal bed: Max. *10'* Min. *7'* Av. *8'* inches

(1) Benches,

(a) Position, *Top, middle & bottom*

(b) Persistence, *Throughout except blue band out in places.*

See

(2) Bedded impurities, kind, position in benches, persistence, ease of separation.

See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement).

See X

(a) Effect on mining,

See X

SECTION				
Ft.	In.	Name	Index	Sym.

Collector, *Kay*

Coal, *#6*

State No. *0322*

Mine, *Jeffrey*

Co.

Co-op. No. *61*

UNDERGROUND DATA (cont'd.)

- K. (5) Physical character of coal in benches,
- (a) Relative hardness, *Uniform.*
- (b) Lustre, *Mostly bright.*
- (c) Fracture,
- (d) Texture, See
- (6) Impurities in coal, other than bedded,
- (a) Kind,
- (b) Position and persistence,
- (c) Rejected, Ease of separation, See
- L. Floor: (1) Material *Clay.*
- (2) Thickness *taper edge to 4 ft.*
- (3) Variation *Some places cut out by limestone.*
- (4) Note character, condition, tendency to heave, relation to undercutting commercial value.

*Not undercut
No heave.*

(5) Clay sample No. *61 A.* Location, See

M. Stratigraphy

- (1) Fossiliferous horizons underground,

Collection No.

Location,

N. Notes on effect of deep drilling in coal mine areas.

Collector, *Kay.* Coal

Mine, Co.

State No. *0322*

Co-op. No. *61*

INDEX

H. The roof in this mine is gray sh. similar to the light sh. at Johnston City. No black top, or linst. In the entries, the top coal is usually left & forms good roof, but men will not leave it in rooms.

The gray shale proper usually has about 2-4 inches of light colored sh. (draw sl.) beneath. This comes down without warning. Is wedged down or propped up in mining.

The roof proper is similar to that at Danville in that it shows little bedding. It shows frequent rolls, to which two causes may be assigned; deposition and pressure. (See sketches). After top coal is down, roof is treacherous.

It has many planes of movement which take no definite direction, but result in the fall of large conchoidal blocks. In a few places (Fig. III) the shale has been pushed down into the coal and has the effect of a roll.

C4 100 yds S 40° E of shaft, is a depression caused by subsidence. It occurs back of a company house. Water at least 4 feet deep. Filled with cans, bottles, dogs, cats etc; the well 20 ft away contains the pure filtered quintessence of overripe dog; said

Collector

Kay

Coal

Co.

State No.

0322

Mine

Co-op No.

61

X.—EXTRA SHEET No.

I.

INDEX

to be finest water in town by man who owns well. Pond about 40 feet in diam.

K₃

N.E. and S.E. parts of mine are greatly affected by sags and hills which are local in extent.

In some of the sags, the top coal is cut out by erosion, no pressure noted

See (fig I)

On the hills (Sketch II) the limestone underlying the fireclay occurs directly under the coal cutting out the fire clay. In this case the ~~coal~~ thickness of the coal is not affected.

The local dips in the mine are as much as 15-18° and give hummocky surface to coal. (See profile.)

K_{3a}

The dip is so great in places & so irregular that coal cannot be hauled out of rooms. Entries are driven down dip with the strike and rooms made up the dip. Coal is then hauled around the hills.

General dip of coal is N. 48 ft. dip ~~south dip~~

N. dip face Main S to face Main N. (See profile.)

Collector Kay

Coal

State No.

Mine

Co.

Co-op No.

X.—EXTRA SHEET No.

11

0322

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13

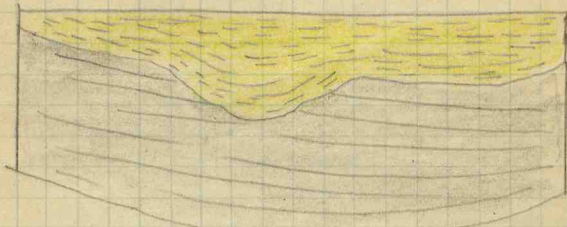


Fig. I. Deposition.

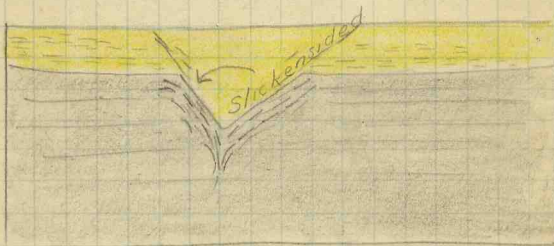


Fig. II. Pressure.

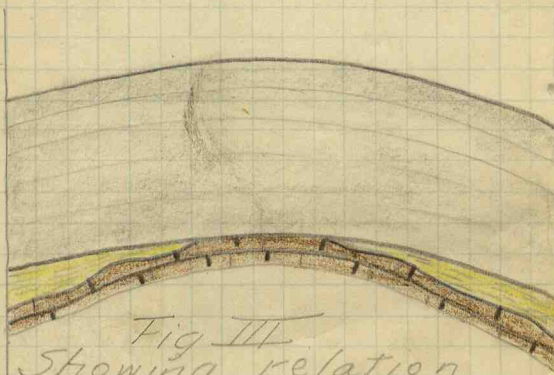


Fig. III
Showing relation
of limestone &
clay to coal.

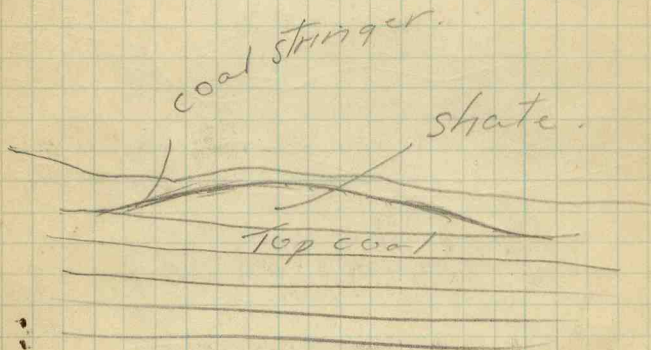
Collector F.H. Kay.
Mine Teffrey.

Coal # 6
Co.

State No. 0322
Co-op No. 61.

X.—EXTRA SHEET No. III

caption



Mr. Richard Dawson.
 Herrin, Ill.
 Route #1.
 Rankin, Arkansas.

Thompson Sowden.
 Streater

Cummins
 Bracerille
 Ill.

Macalister
 Streater.

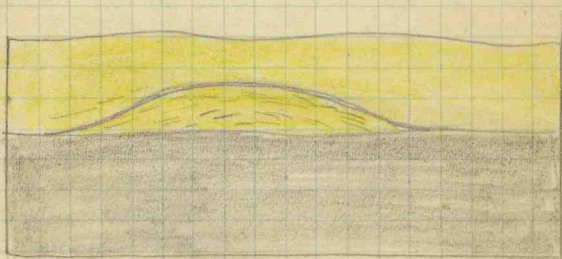
Wm Arkess
 Coal City

Drilling men
 recommended
 by Mr Dawson.
 Jeffrey. Mirie.

61.

INDEX

13



Sketch showing stringer
 of coal in roof 10-12
 feet. Make s dome
 shaped fall. Weakens roof.

Collector F.H. Kay
 Mine Jeffrey

Coal # 6.
 Co. IV

State No. 0322
 Co-op No. 61

X.—EXTRA SHEET No. IV

caption f



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Carterville & Herrin* Date, *7/20* 191*2*
 Mine, *Jeffrey* Located *3* miles* from † *Herrin*
 Location in mine, *3 West North*
 Total (vertical) depth from surface at point of sampling, *160* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippel).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal	4	8 1/2
2	Blue clay band		7
3	Coal		1
4	white clay band		4
5	Coal	1	
6			
7			
8			
9			
10	Hop coal not included ✓	111	19
11		80 2 112	
12			
13			
14			
15			
16			
17			
TOTAL,		6	8 1/2

Is coal wet or dry? *moist*
 Time exposed, _____ hours, *56* minutes.
 Weight, *46* gross, _____ net.
 What are the impurities, and how do they occur? *clay band*

What are shipped? *1*
 What are excluded from the sample? *3 2 5 4*
 Coal bed, *6*
 *Direction (N., NE., etc.). †Nearest railway station.

Town, *Herrin* Mine, *Jeffrey* Co. *Williamson*
 Sample No. _____ Can No. *55* No. *61 0322*

I.—COAL SAMPLE SHEET. Sampler. *J.M.W.*
#5121



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator *Carterville + Herrin* Date, *9/20* 191 *2*
 Mine, *Jeffrey* Located *3* miles* from † *Herrin*
 Location in mine, *No. 3 road 4 East*
 Total (vertical) depth from surface at point of sampling, *160* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippel).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal	1	
2	Blue clay band		<i>1/2</i> ✓
3	Coal	5	<i>5</i> ✓
4	White clay band		<i>1</i> ✓
5	Coal	4	<i>2</i> ✓
6	Blue clay band		<i>1</i> ✓
7	Coal		<i>10</i> ✓
8	Blue clay band		<i>1/2</i> ✓
9	Coal	105	<i>7</i> ✓
10	White clay band		<i>1</i> ✓
11	Coal	2	
12			
13	Total thickness		
14	of seam includ		
15	ed		
16			
17	TOTAL,	8	<i>11 1/2</i> ✓

Is coal wet or dry? *moist*
 Time exposed, _____ hours, *20* minutes.
 Weight, *70* gross, _____ net.

What are the impurities, and how do they occur? *Clay bands*

What are shipped? *1 3 5 7 9 12*
 What are excluded from the sample? *2 4 7 9 11*

*Direction (N., NE., etc.) †Nearest railway station.

Town, *Herrin* Mine, *Jeffrey* Co. *Williamson*
 Sample No. *2* Can No. *46* No. *61 0322*

I.—COAL SAMPLE SHEET. Sampler. *J.M.W.*
 # *5133*



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Cartmell Herring* Date, *7/20* 191*2*
 Mine, *Jeffrey* Located *3* miles* from † *Herring*
 Location in mine, *6, 8, off main shaft*
 Total (vertical) depth from surface at point of sampling, *160* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippel).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	<i>Coal</i>	<i>5</i>	<i>2 3/4</i>
2	<i>clay band</i>		<i>3/4</i>
3	<i>coal</i>	<i>1</i>	<i>4</i>
4			
5			109
6			
7			
8			
9			
10	<i>Top coal not included.</i>		
11			
12			
13			
14			
15			
16			
17			
TOTAL,		<i>6</i>	<i>6 3/4</i>

Is coal wet or dry? *wet*
 Time exposed, *57* hours, *57* minutes.
 Weight, *45* gross, net.

What are the impurities, and how do they occur?

What are shipped? *1 3*

What are excluded from the sample? *2*

Coal bed, *6*
 †Nearest railway station.

Town, *Herring* Mine, *Jeffrey* Co. *Williamson*
 Sample No. *3* Can No. *36* No. *61 0322*

I.—COAL SAMPLE SHEET. Sampler, *J.M.T.*

#5134



USBN Bull 123, p 181

HERRIN. JEFFREY MINE.

Analyses 17719, 17720, and 17721 (p. 36). Bituminous coal, Illinois field, from Jeffrey mine, a shaft mine in the Big Muddy district, near Herrin. Coal bed, Herrin (Belleville, No. 6) of the United States Geological Survey; Carboniferous age, Carlondale formation. Bed is 8 to 10 feet thick, 6 to 7 feet of which is mined. The bed was sampled by R. Y. Williams on August 12 and 13, 1913, as described below:

Sections of coal bed in Jeffrey mine.

Section..... Laboratory No.....	A 17719		B 17720		C 17721	
	<i>Ft.</i>	<i>in.</i>	<i>Ft.</i>	<i>in.</i>	<i>Ft.</i>	<i>in.</i>
Roof, not stated.						
Coal, hard and bright.....	1	2	7	1	6	8
" Sulphur".....		$\frac{1}{2}$				
Coal, hard and bright.....	5	4				
" Blue band".....		$1\frac{1}{4}$		1		$\frac{1}{4}$
Coal, hard and bright.....	1	10	1	11	2	4
Floor, not stated.						
Thickness of bed.....	8	$5\frac{3}{4}$	9	1	9	$\frac{1}{2}$
Thickness of coal sampled.....	8	$5\frac{3}{4}$	9	1	9	$\frac{1}{2}$

Section A (sample 17719) was taken at face of 13 room, 8 east entry, main south entry, 3,000 feet southeast of shaft. Section B (sample 17720) was taken at face of 42 room, 1 west entry, main south entry, 1,800 feet southwest of shaft. Section C (sample 17721) was taken at face of 18 room, 3 west entry, main north entry, 1,500 feet northwest of shaft.

Coal No 6
Jeffrey Mine Williamson Co Index No. 0322