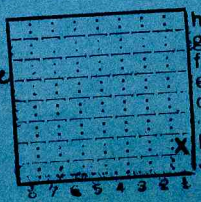
Do not confuse with Ulrich mine. It was called #1 before

La Salle County Carbon CC
Mine #1 or
La Salle mine



Sec. 15
T. 33 N.
R. 1 E.
Index No.
1615

M Inv Dep
#3

✓

MOORE'S MODERN METHODS

Mine originally operated by: (1) LA SALLE Co CARBON C. Co. LA SALLE

Date 1865

Orginal name or number: LASALLE #1.

Illinois Coal Report p.

LATER OPERATORS

	Date	Operator	Name or No.
2	1930	UNION COAL Co — incorrect. This applies to L.C.C.C.C., Union mine in 1C-33N-1E. J.D., 1956	
3	1931	Ab'dd	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

* Also owners # See ownership sheet

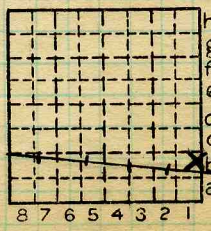
Railroad, Wagon, Idle, Abondoned

IDENTIFICATION

County No. Coal No. 7

Quad. 62 Part 8

County LA SALLE



Sec. 15

T. 33 N. S.

R. 1 E. W.

Index No. 1615

COAL MINE OPERATOR

(34216—1M—3-30)

Town, La Salle
Local Authority,
Level: Auth., Bull ID

Grade
450
36

Surface alt., 495 ft.
Depth to coal, 395 ft.
Alt. top coal, 100 ft.
Thickness: Av. 42 in.
Max. in., Min. in.

Method,

R. R., Chi. R.I. & Pac.; G.C.

Location: authority, La S. & Hen. map.
Mine notes.

R. 1 E
T. 33 N
Sec. 15
(Show R. R.)

Aux-11
1865-1930

Operator

Mine Name or No.

19 La Salle County Carbon Coal Co. LaSalle 3?
LaSalle, Ill.

Successor to
Date
Succeeded by In operation before 1879.
Date
Succeeded by Union Coal Co } incorrect - see
Date Feb. 15 1930 } 1930 Coal Rpt.
J. D.

Q-0

PRODUCTION.

19		U. S. No.
1928		
1939	Closed & sealed - Abd.	

13 14 15

Geol. Notes? Yes, Coop. No. #3 Coal secs.? 10
Analyses No. 5307, 5306, 5311, 4067, 393,
U.S. 1779, U.S. 1742, U.S. 1741,
Examined by Ref.

Coal bed name: Local
County La Salle

Survey No. 2
Index No. 1615.92

K.—~~ACTIVE~~ SHIPPING ~~OR LOCAL~~ COAL MINE.
CA IDLE

ILLINOIS COAL MINE NOTES

TOWN La Salle T 33 N R. 1 E S. 15 NE cor. SE. SE. La Salle CO.
COAL BED # 2 DATE 11/4-5/08 COLLECTOR F W D 1615
OPERATOR La Salle County Carbon C Co MINE La Salle
HEAD OFFICE
CAPACITY 400-600 T MARKETS, FRT. I.C.R.R. & NW
ENTRANCE Shaft 400'±
CAGE ENGINES
DRUM
SCREENS
STORAGE No
VENTILATION Stagnant locally & hot. Fan-
GAS, SOURCE
COAL THICKNESS, AV. 4.2 MAX. 5' MIN 30" ELE. Same as I.C.= FT.
SECTION LOCATED 3rd N - & 9th E, & left off Rockwell Main N

No.		In.	No.		In.
1	Coal	2 1	7	~~3rd~~ Main 3rd N. ck No 2 &	
2	Sulf. bens	2	8	Coal	9
3	Coal	2 1	9	Sulf band	0 – 2
4			10	Coal	30
5			11	fc	1'+
6				TAPE	

NOT SHIPPED NOT INCLUDED CAN SAMPLE

PHYSICAL PROPERTIES BY NOS. (1) Dark brt, bk, & with minute joints, pass proximity to anticline. Main cleat N 80° E. (2) Not much partings. Std mining Cleat not seen - Coal bk shiny. Underclay 2'+ & blasted. A more frequent band, 10"-2½" off bottom not seen here.
ROOF gr. slate. Locally bk sl comes down (2) - & to 1-3' bk - with concretions FLOOR fc - locally 2 3'+.
DIP Level till rise NE to anticline CLEAT N 80° E.
FAULTS, ETC. 1 local normal 1' throw.
MACHINES Undercut 1-2' by hand.
HAULAGE Mules. Face out ¼ Mi+.
CARS Wood
DRAINAGE Dry.
WORKING SYSTEM Long wall advancing. Rooms & entries @ 45°±
ENTRIES, MAIN 20'± CROSS ROOMS
PILLARS, MAIN CROSS ROOM
DRAWN TIMBERS Very little. Shale arches well. Gob packs. No surface settling.

Note also: Variation in coal, impurities, roof, structure.
Collect records, analyses, fossils. Note land values, etc.

1615

COAL MINE NOTES.
CONTINUED.

OPERATOR LaSalle County Carbon Coal Co. MINE LaSalle.
ENTRANCE Shaft. NAME OF COAL BED #2. 1615
ELEVATION THICKNESS OF COAL
DEPTH TO FLOOR MAX. 60 MIN. 36 AV. 42-3.
ALTITUDE OF COAL
LOCATION OF SECTION 14th east off 3rd north.

No.	SECTION.	In.
1	Coal	23 1/4
2	Sulphur.	3/4
3	Coal	18"
4		
5		
6		
7		
8		
9		
10		
11		
12		
	Tape Total	42.

SECTION

Feet

SAMPLE No.
CAN No. 77
CONDITION Dry
GROSS WEIGHT 25
TIME EXPOSED 30.
NOT SHIPPED #2
NOT INCLUDED #2

PHYSICAL PROPERTIES BY NUMBERS

Some sulphur in horizontal streaks. at varying positions in coal. Only one streak where section was taken.

ROOF Soapstone

FLOOR Fireclay 4"-10" - Sndy shale below

DIP a little to the east

FAULTS, ETC. near roll or slip"

GAS none.

#14069

1615

COLLECTOR Cady Grout REFERENCE N.B. 9-28 DATE Dec 14 1910

MOORE'S MODERN METHODS

COAL MINING INVESTIGATIONS

Cooperative Agreement

Mine Name or No., La Salle Shaft.
mile from In La Salle
Operator, 1912 La Salle Co. Carbon Coal Co. 33N T. Sec. 15

Operator, 191

Entrance, Shaft. Elev., ft. { above, below,
Depth to bottom coal, 400' ft. Alt.

Surface Data.

A. Topography Undulating to hilly. See

B. Surficial materials, (1) Character

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

See

C. Outcrops, (1) Character, See
(2) Structure, See
(3) Fossil horizons See
Collection No.,
(4) Evidences of subsidence , See

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

No log in file see Cady for notes

See drill record sheet.

E. Notes on surrounding area,

Get location and depth of shaft.

See

Coal bed name: Local, Third Vein. Survey #2
Collector, KDWhite State No. 1615
Mine, La Salle Shaft Co. La Salle Co-op. No. 3

L.—SURFACE SHEET (Geol.)

Underground Data

F. Thickness of rock above bed worked,

(1) Important variations,

See

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

Black Slate See #2, #1

(1) Position, Between Gray shale and Coal

(2) Character, Sheety

(3) Persistence, Over mine

(4) Other workable coal beds,

Thickness. 3'to5'

See

H. Cap rock, Black Slate

(1) Thickness, 3'to5'

(2) Height above coal,

0'to50' See #2

I Immediate roof Gray Shale and Black slate

(1) Thickness, (2) Contact with coal,

Gr.sh. 0'-50' Av. 15'to20' Yes.

(3) Horizontal variation,

See

J. Draw slate. (1) Thickness, (2) Contacts

Gray shale 2"to12", av. 8"

(3) Persistence

K. Coal bed: Max. 4'-0" Min. 3'-0" Av. 3'-6" inches

(1) Benches,

(a) Position,

(b) Persistence,

See

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

See extra sheets.

See

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

Slips and rolls See #2, #3

(a) Effect on mining,

Roof Bad. See

SECTION				
Ft.	In.	Name	Index	Sym.

Collector, KDW Coal, #2 State No. 1615

Mine, LaSalle Shaft Co. LaSalle Co-op. No. 3

M.—UNDERGROUND SHEET (Geol.)

UNDERGROUND DATA (cont'd.)

K. (5) Physical character of coal in benches,

(a) Relative hardness, Hard

(b) Lustre, Bright

(c) Fracture, Hackly.

(d) Texture, Solid See #1

(6) Impurities in coal. other than bedded,

(a) Kind, Sulphur

(b) Position and persistence, See #2

(c) Rejected, Fires if gobed, and burns on damp. Probably responsible for heat of mines due to slow oxidation Ease of separation, Difficult. See

Yes

L. Floor: (1) Material Fire clay.

(2) Thickness 0' to 20'+

(3) Variation Constant.

(4) Note character, condition, tendency to heave, relation to undercutting, commercial value.

Floor a dark gray clay, fairly hard, with breaking faces slickened. Below clay a hard sandy shale is reported, at times it is reported to cut out the clay and lay next to the coal. Very little carbonaceous matter in clay. Dug 20' in clay and did not get thru. Reported a few ironstone balls scattered thru.
Mine in fire clay about 8" See #2

(5) Clay sample No. 1 Location,

Face 1st Room, 15th N.E. Rockwell

M. Stratigraphy

(1) Fossiliferous horizons underground,

Collection No. Location,

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

See

Collector, KDW Coal #2 State No. 1615

Mine, La Salle Shaft Co. La Salle Co-op. No. 3

N.—UNDERGROUND SHEET (Geol.)

INDEX

Section 14th E - 1L - North

Ks Roof gray shale

Bed a very bright, hard, very brittle coal. Clean save of sulphur bands and balls. Sheets of calcite and sulphur, along clearage planes, give coal a whitish appearance. Occurance irregular. Present section does not contain excessive amount. A band of sulphur balls occurs 21" from top, presistant.

A portion of the bed has a banded texture while the remaining part will be solid. No regularity as to what portion will be banded.

Total Thickness 3'-5"

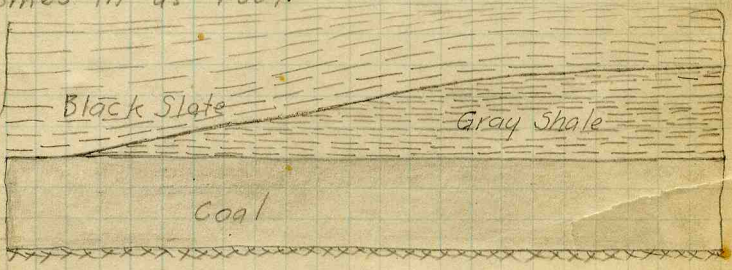
Between roof and coal, occurs a band ½" to 1" thick of brown, soft, sulphurous clay, with thin stringers of pyrite near the top. Clay is frozen to the roof.

Bottom a dark, gray, fire clay, with few plant impressions, badly slickened along breaking surfaces.

Coal shoots into an excellent blocky coal.

Coal is reported to be noticably thinner under the black slate, and much harder; though no difference, kind or quality of impurities is noticable.

G When gray shale lenses out black slate comes in as roof.



Sketch showing lensing of shale.
No Scale

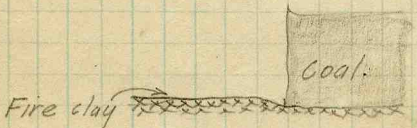
Collector KOW | Coal #2 | State No. 1615
Mine La Salle Shaft | Co. La Salle | Co-op No. 3
X.—EXTRA SHEET No. /

INDEX

G — Black Slate contains limae and iron concretions discoid in form, some are 2' to 3' across, Occurance pockety generally a large number to the pocket.

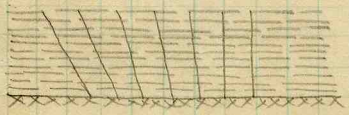
L5 — Top 21" of clay sampled. 2" directly under coal excluded on account of carbonaceous matter. Very little carbonaceous matter in clay sampled.

L4 — Fire clay is always slightly raised from face of coal due to pressure.



Sketch showing bearing of clay next to face due to pressure.

I — Roof a gray shale, or soap stone, with very little sand, beded in layers from 2" to 2' thick Sample taken.



Slips in shale from settling are always inclined away from the face of the coal, and run generally from 57° to 75° angles of inclination with the horizontal, and up to 90°

K3 — Face 15th N.E. Rockwell Shaft Going up Anticline

The coal thickens as the entry advances, Coal is softer, fracture more conchoidal, face measures 4'-4". Coal thickens 1' in 6', angle of dip increases.

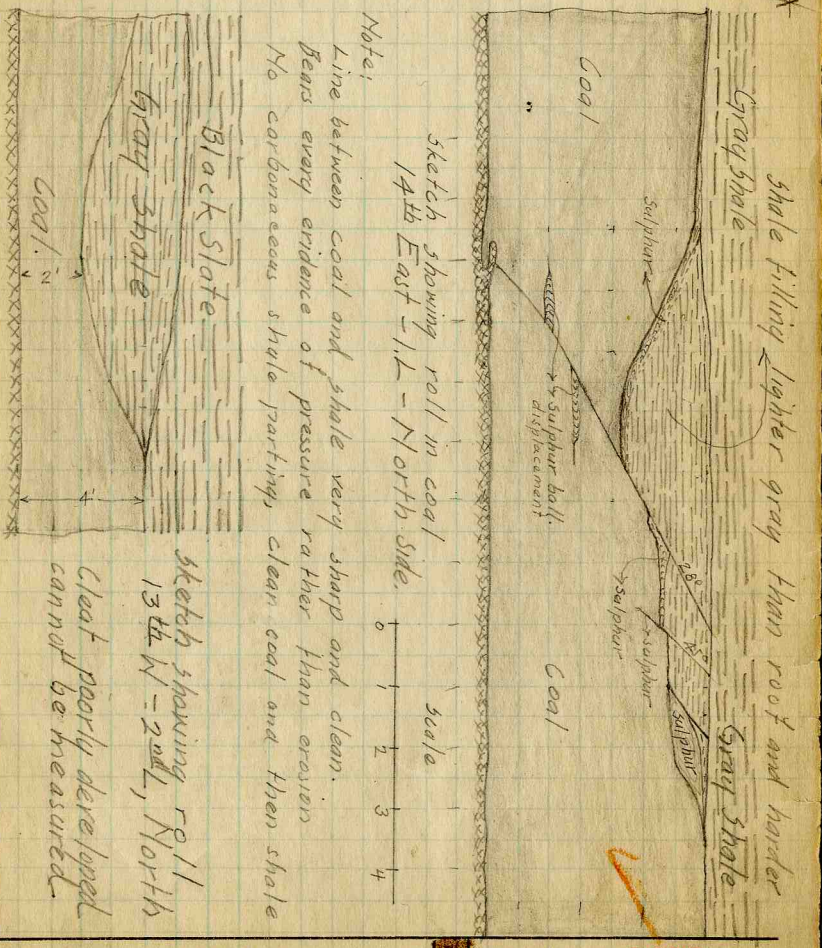
Collector KDW Coal 2 State No. 1615
Mine La Salle Shaft Co. La Salle Co-op No. 3
X.—EXTRA SHEET No. 2

INDEX

K3

Section Sheet 2 cont.

Reported that 50' farther up anticline the coal goes up by jumps, and thickens. Coal makes lots of water and roof is poor Dip at face is 15°, decreases to the Southwest. The Coal at the face is much softer soils the hands, makes more fine coal, and has about the same amount of calcite.



Collector KDW
Mine La Salle Shaft.
X.—EXTRA SHEET No. 3

Coal 2
Co. La Salle

State No. 1615
Co-op No. 3

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, La Salle Carbon Co. Date, 8/6 191 2.

Mine, La Salle Located at miles* from† La Salle

Location in mine, 2 S. 5 West.

Total (vertical) depth from surface at point of sampling, 460 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 ⅜ inch thick or over (and even those of less thickness if they are rejected at mine or tipple).

Section of Bed at Point Sampled

No.	DESCRIPTION	Feet	Inches
1	Coal	3	4
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14	226	40	
15			
16			
17			
	Total,	3	4

Is coal ~~wet~~ or dry?

Time exposed, hours, 27 minutes.

Weight, 31 gross, net.

What are the impurities, and how do they occur? None

What are shipped? total seam

What are excluded from the sample? Nothing

Coal bed, 2

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

Town, La Salle Mine, La Salle Co. La Salle

Sample No. A 2 Can No. 4 No. 3 1615

I.—COAL SAMPLE SHEET. Sampler. J. M. Webb

#5306

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, La Salle Carbon Co. Co., Date, 8/6 191 2.

Mine, La Salle Located at miles* from† La Salle

Location in mine, 3 South off 3 East

Total (vertical) depth from surface at point of sampling, 460 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 ⅛ inch thick or over (and even those of less thickness if they are rejected at mine or tipple).

Section of Bed at Point Sampled

No.	DESCRIPTION	Feet	Inches
1	Coal	1	11
2	Sulphur band		3/8
3	Coal	1	8/8
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14	210		
15			
16			
17	Total,	3	7 3/8

Is coal ~~wet~~ or dry?

Time exposed, hours, 30 minutes.

Weight, 27 gross, net.

What are the impurities, and how do they occur? Sulphur band

What are shipped? 1 3

What are excluded from the sample? 2

Coal bed, 3

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

Town, La Salle Mine, La Salle Co. La Salle

Sample No. 1A Can No. 204 No. 1615

I.—COAL SAMPLE SHEET. Sampler. J. M. Nott

#5307

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, La Salle County Carbon Co. Date, 8/[illegible] 1912

Mine, La Salle Located at [illegible] miles* from La Salle.

Location in mine, 3 N. 13 West

Total (vertical) depth from surface at point of sampling, 460 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 tipple).

Section of Bed at Point Sampled

No.	DESCRIPTION	Feet	Inches
1	Coal		11
2	Blue clay band		1
3	Coal	2	6
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14	225		
15			
16			
17			
	Total,	3	6

Is coal [illegible] or dry?

Time exposed, [illegible] hours, 31 minutes.

Weight, 21 gross, [illegible] net.

What are the impurities, and how do they occur? Blue clay band

What are shipped? 1 3

What are excluded from the sample? 2

*Direction (N., NE., etc.). †Nearest railway station. Coal bed, 2

Town, La Salle Mine, La Salle Co. La Salle

Sample No. 23 Can No. 201 No. 3 1615

I.—COAL SAMPLE SHEET. Sampler. Jno. McKee

#5311

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, La Salle County Co. Co. Date, 8/6 191 2

Mine, La Salle Located at miles* from† La Salle.

Location in mine, 3 North, 13 West

Total (vertical) depth from surface at point of sampling, 460 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 tipple).

Section of Bed at Point Sampled

No.	DESCRIPTION	Feet	Inches
1	Coal		11
2	Blue clay band		
3	Coal	2	6
4			
5			
6			
7			
8			
9			
10	Duplicate.		
11			
12			
13			
14			
15	219		
16			
17			
	Total,		

Is coal ~~wet~~ or dry?

Time exposed, hours, 31 minutes.

Weight, 21 gross, net.

What are the impurities, and how do they occur? Blue clay band.

What are shipped? 1 3

What are excluded from the sample? 2

Coal bed, 3

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

Town La Salle Mine, La Salle Co. La Salle

Sample No. B 3 Can No. 200 No. 3 1615

I.—COAL SAMPLE SHEET. Sampler. J. M. Webb

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, La Salle Co. Co. Date, 8/6 191 2

Mine, La Salle Located at miles* from† Lasalle.

Location in mine, 2 South 5 West.

Total (vertical) depth from surface at point of sampling, 460 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 tipple).

Section of Bed at Point Sampled

No.	DESCRIPTION	Feet	Inches
1	Coal	3	4
2			
3			
4			
5			
6			
7			
8	Duplicate		
9			
10			
11			
12			
13			
14	221		
15			
16			
17			
	Total,	3	4

Is coal ~~wet~~ or dry?

Time exposed, hours, 27 minutes.

Weight, 31 gross, net.

What are the impurities, and how do they occur? None

What are shipped? Total

What are excluded from the sample? Nothing

Coal bed, 3

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

Town, La Salle Mine, La Salle Co. La Salle

Sample No. B 2 Can No. 202 No. 3 1615

I.—COAL SAMPLE SHEET. Sampler. Jno Webb

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, La Salle Carbon Co. Co. Date, 8/6 191 2.

Mine, La Salle Located at miles* from† La Salle

Location in mine, 3 South off 3 East

Total (vertical) depth from surface at point of sampling, 460 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 tipple).

Section of Bed at Point Sampled

No.	DESCRIPTION	Feet	Inches
1	Coal	1	11
2	Sulphur band		3/8
3	Coal	1	
4			
5			
6			
7			
8			
9			
10	Duplicate		
11			
12			
13			
14			
15			
16	V. 209		
17			
	Total,	3	7 3/8

Is coal ~~wet~~ or dry?

Time exposed, hours, 30 minutes.

Weight, 27 gross, net.

What are the impurities, and how do they occur? Sulphur band

What are shipped? 1 3

What are excluded from the sample? 2

Coal bed, 3

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

Town, La Salle Mine, La Salle Co. La Salle

Sample No. 12 Can No. 203 No. 31615

I.—COAL SAMPLE SHEET. Sampler. J. M. Kelly

MOORE'S MODERN METHODS

Operator,
Mine, La Salle
Located, Ruhun miles from La Salle — L.C.R.R.
Location in mine, E 3 - 53, 4000 ft SE 2 shaft.
Date June 21, 1905
Sec. T. R.

GRAPHIC SECTION In.		No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No.	(Note character and thickness of roof)	Inches
0		1		Roof, shale	
		2		Coal	8
		3		Mother Coal	
12		3		Sulphur	9 1/4
		4		Coal	1 1/4
		5		Blackjack (Shaly coal)	43 1/4
24		6		Coal	3 4
36					
48					

Floor, shale

(Note character and thickness of floor)

Total thickness of coal. 43 1/4

Condition, Time, hr. min.
Wt. Gross, lbs. Net, lbs.
What Nos. shipped by Co.?

Excluded from sample: No. 3
Sample represents 42 in. tons.
Impurities? How do they occur?

Bulletin 22, p. 496

Sample No. Can No. Lab. No. 1743

Collector, J. B. Bowe
Mine, J. S. Burrows Co. La Salle
Coal: Survey No.
Index No. 1615

R.—COAL SAMPLE SHEET.

Operator,
Mine, La Salle
Located, ~~miles from~~ La Salle
Location in mine,

Date June 21, 1905
Sec. T. R.
Suburb L. C. R. R.

GRAPHIC SECTION In.	No.	No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) (Note character and thickness of roof)		Inches
			Roof shale		
0	1	1	Coal	16	16
		2	Mother Coal	16 1/8	1/8
12		3	Sulphur		
	2	4	Coal	21 1/8	5
24	5	5	Blackjack (shale & coal)	24 3/8	1/4
		6	Coal	39 3/8	18
36					
			Floor, shale		
			(Note character and thickness of floor)		
			Total thickness of coal.		39 3/8

Condition, Time, hr. min.
Wt. Gross, lbs. Net, lbs.
What Nos. shipped by Co.?

Excluded from sample: No. 3
Sample represents 39 3/8 in. tons.
Impurities? How do they occur?

B. U. Bul. 22, p. 496

Sample No. Can No. Lab. No. 3m. 1741
Collector, J. N. Bowes
Mine, J. S. Burrows Co. La Salle Coal: Survey No. Index No. 1615

R.—COAL SAMPLE SHEET.

Symbol US BM Bull 22 p496. Description Inches

La Salle. La Salle Mine.

Sample.—Bituminous coal; Illinois field; (Illinois No. 18) analyses Nos. 1741, 1742 (p. 85).

Mine.—La Salle; La Salle district; a shaft mine in the suburbs of La Salle, on the Illinois Central Railroad.

Coal bed.—No. 2, supposed to be the Murphysboro coal of the United States Geological Survey. Carboniferous age, Carbondale formation.

At this mine the bed lies flat, with differing local dips, and is worked on the long-wall advancing system through a shaft 420 feet. The bed is from 3 to 5 feet thick, averaging 3 feet 6 inches. It has a roof of massive black to gray shale, and a floor of clay shale of varying hardness. In places the shale floor is rough and some of it may be shoveled up in loading mine cars. In mining, the undercutting is usually done in the clay shale below the coal. In places the coal is softer than the shale, and the undercutting is then done in the coal.

Two sections were measured and sampled at widely separated points in the mine by J. W. Groves and J. S. Burrows on June 21, 1905, as noted below:

Sections of coal bed in La Salle shaft mine at La Salle.

Section	A	B
Laboratory No.	1741	1742
Roof, shale.	*Ft. in.*	*Ft. in.*
Coal	1 4	0 8
Mother coal	0 ⅛	.. ..
Sulphur [a]	.. ..	0 1¼
Coal	0 5	2 10
Blackjack (shale and coal)	0 ½	.. ..
Coal	1 6	.. ..
Floor, shale.		
Thickness of section	3 3⅜	3 7½
Thickness of coal sampled	3 3⅜	3 6

[a] Not included in sample.

Section A (sample 1741) was cut in west entry 12 off the north entry, at a point 4,000 feet north of the shaft.

Section B (sample 1742) was cut in east entry 3 off south entry 3, 4,000 feet southeast of the shaft.

Notes.—The coal from this mine, like that from others working the bed, is hard and brittle. The bed carries streaks of "sulphur" and shale, but no regular partings. The output was used chiefly for steam production. In 1905, the sizes made were: Lump, engine coal, nut, slack, duff, and that which passed through a ⅜-inch screen. The larger part of the product was shipped to Chicago. The duff was used in a cement plant at La Salle.

For results of tests of this coal, see mention of specific tests as follows—steaming tests: U. S. Geol. Survey Bull. 290, p. 89; Bureau of Mines Bull. 23, pp. 60, 153; producer-gas tests: U. S. Geol. Survey Bull. 290, p. 90; Bureau of Mines Bull. 13, pp. 114, 273; washing tests: U. S. Geol. Survey Bull. 290, p. 91; Bull. 336, p. 12.

For chemical analyses see part I of this bulletin, p. 85; also U. S. Geol. Survey Bull. 290, p. 88.

Collector, Coal: Survey No. 2

Mine, La Salle Co. La Salle Index No. 1615.92

Q.—COAL SECTION SHEET.