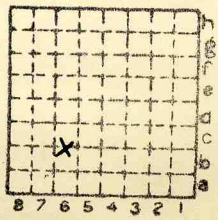
Sec 14-33N-1E H-8
and mined out area
map. These are both
part of same workings.

Manhiessen & Hegler Inc. Co.

M & H CC



Mine index 5660

MOORE'S MODERN METHODS

Mine originally operated by: (1) M & H. COAL CO. LA SALLE

Date 1875

Orginal name or number: KENTUCKY SHAFT

Illinois Coal Report p.

LATER OPERATORS

	Date	Operator	Name or No.
2			J.C. Quade.
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			✓
14			

* Also owners # See ownership sheet

~~Railroad~~, Wagon, ~~Idle~~, Abondoned 1937

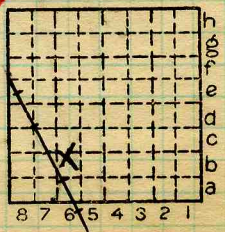
Captive

IDENTIFICATION

County No. Coal No. ☐

Quad. 62 Part 6

County LA SALLE



Sec. 11

T. 33 N. ~~S.~~

R. 1 E. ~~W.~~

Index No. 1611.

COAL MINE OPERATOR

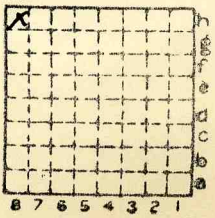
Form 180

See also 11-33N-1E.

MATHIESSEN & HEGELER

L-1

Mi. #231



Sec. 14

T. 33 N. S.

R. 1 E. W.

Index No.

Mine originally operated by: (1) MATHIESSEN & HEGELER
Date 1883 (1879) L-1 LA SALLE

Orginal name or number: M&H
Illinois Coal Report p.

LATER OPERATORS

	Date	Operator	Name or No.
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13	1879 - 1937	R+P in Herrin (No. 6)	
	1931 - 1937	Longface in Colchester (No. 2)	
14			(Quade)

* Also owners # See ownership sheet

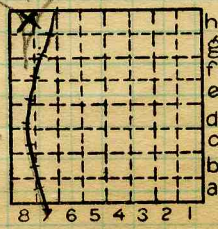
Railroad, Wagon, Idle, Abondoned
Captive '38

IDENTIFICATION

County No. Coal No.

Quad. 62. Part 5

County LASALLE



Sec. 14.
T. 33 N. S.
R. 1 E. W.
Index No. 1614.

COAL MINE OPERATOR

(34216—1M—3-30)

Mine Name ~~or No.~~ M & H Mine Mine Address La Salle

Operator Matthiessen & Hegeler Zinc Co

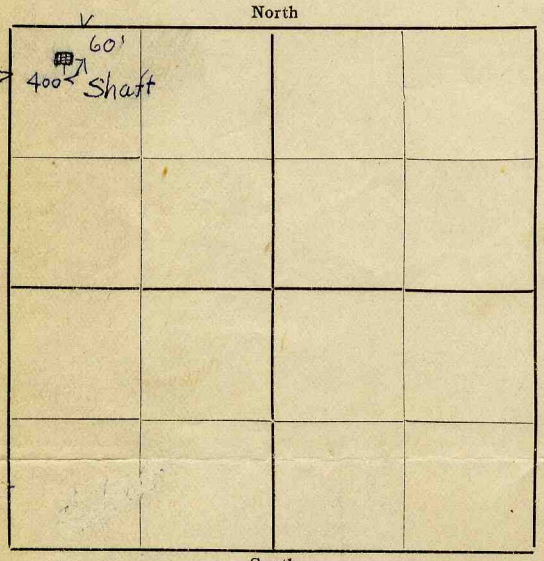
Main Office Address La Salle, Ills

Location of Mine:

Township Name La Salle County La Salle

Section No. 14 Township 33 N/~~S~~ Range 1 E/~~W~~

Indicate location of mine and position of R. R. in plat of section below.



Kindly state number of feet from ~~quarter~~ section lines:

60 from N. line

.....from E. line

.....from S. line

400 from W. line

Idle entire year 1924 ~~Yes~~ No.

Abandoned (date) 19.....

LOCAL MINE

Surface landing is 572 feet above sea level or about 557 feet (above) ~~(below)~~ railroad ~~station~~ track at C. R. I. & P. R. R. Depot (nearest town).

Depth to top of coal is 308 feet.

Average thickness of coal is 4 feet — inches.

E. H. N.

Do not fill in below this line.

Coal Bed Name..... Survey No.....

County La Salle Index No. 1614

V—MINE LOCATION SHEET.

MOORE'S MODERN METHODS

Town, La Salle 1880

Local Authority, (4) 310' 4'6

Level: Auth. MINE NOTES (2) 480 3'6

Method, 1931

R. R., L. & B. Co. Cook up (mine coal from own mine)

IC

Location: authority, MINE NOTES

Surface alt., 572 ft.

Depth to coal, 308 ft.

Alt. top coal, 264 ft.

Thickness: Av. 48 in.

Max. in., Min. in.

R. 1E

T. 33 N

Sec. 14

(Show R. R.)

Auer #10

1883+

Operator

Mine Name or No.

1924 Mathiessen & Hegeler Zinc M+H.
La Salle, Ill.

Successor to

Date In operation before 1879

Succeeded by

Date

Succeeded by

Date

PRODUCTION.

Q-0

	U. S. No.
1926 700 T cap.	

Geol. Notes? Yes Coop. No. Extra Coal secs?

Analyses No. 4771, 394, 5391-2-3

Examined by 1/2 Ref.

Coal bed name: Local LOCAL MINE Survey No.

County La Salle Index No. 16.14.09

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

CAPTIVE

Aug 22 1908

Matthiessen & Hegeler Zinc Co., 1614
La Salle, Ill.

Shaft 312'±. Located in NW¼NW¼NW¼ 14 T33N Range 1E. Elev. C.R.I. & P.R.R. station La Salle 465. Mine 107' above 572. Elev. #6 coal above sea = 460'±.

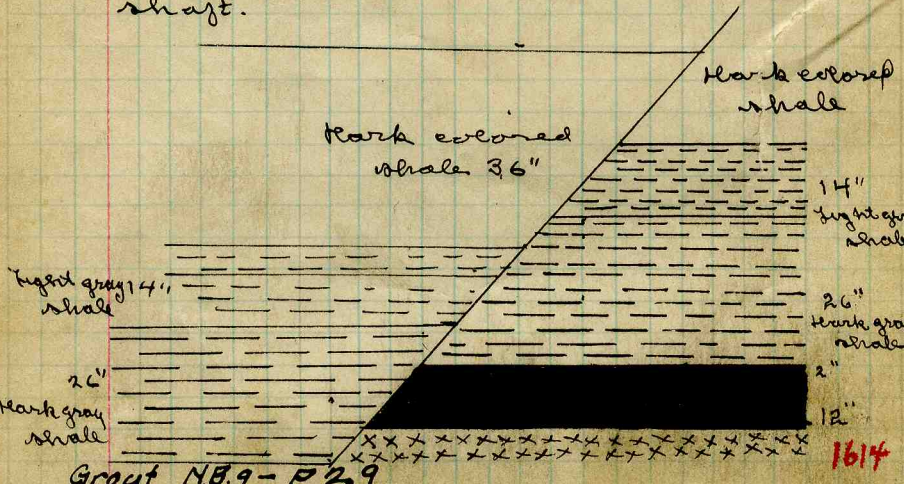
Samples collected in the 3rd W entry, cross entry #7 in Room 6. about 7500 N W of shaft. Warden # 213 Tag 159 Can # 34±

#1771

Black shale	6'-7'	
Cannel coal		6"
Coal		9½"
Sulphur		¼-½
Coal		2"
Mother coal		⅛
Coal		8 ¾
Sulphur		½+1½
Coal		9
Mother coal		¼
Coal		18
Fire clay	2'	Rule 56"

Excluded sulphur ½" & ¼"±

Numerous horsebacks & coal in this mine. One fault was observed about 20'W from a point 6000' NW from shaft.



Grout N.B.9-P.29

1614

MOORE'S MODERN METHODS

COAL MINING INVESTIGATIONS

Cooperative Agreement

Mine Name or No., Hegler

~~mile~~ At ~~from~~ LaSalle

Operator, 191 2. Mathieson & Hegler

Operator, 191

R.

T. Sec.

R. R.

Entrance, Shaft Elev., ft. { above, below,

Depth to bottom coal, ft. Alt.

Surface Data.

A. Topography 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.

See drill record sheet.

E. Notes on surrounding area,

See Notes by Cady.

See

Coal bed name: Local, 2nd Vein

Collector, K O White

Mine, Hegler Co. LaSalle

Survey X C 1614

State No.

Co-op. No. Extra

L.—SURFACE SHEET (Geol.)

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 162392

MOORE'S MODERN METHODS

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, Sandstone & Limestone

(1) Thickness, Ss. 30'±, Ls 1'

(2) Height above coal,

See 2

I. Immediate roof Black Slate, gray shale, Ss, bone

(1) Thickness, Bk Sh. 0'to 8' (2) Contact with coal,

(3) Horizontal variation,

Roof becomes bad in parts of ~~See~~ mine. See #1

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

(3) Persistence

K. Coal bed: Max. 54" Min. 24" Av. 48" inches

(1) Benches, One Bench

(a) Position,

(b) Persistence,

See

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

Balls and lenticular band of sulphur up to 1" thick, amount not large.

A thin band of sulphur occurs between cannel coal and shale roof.

See

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

Rolls. Clay veins.

See #1

(a) Effect on mining,

See

SECTION				
Ft.	In.	Name	Index	Sym.

Collector, K.O White Coal, 5 State No. 1614

Mine, Hegler Co. La Salle Co-op. No. Extra

M.—UNDERGROUND SHEET (Geol.)

Underground Data (cont'd.)

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

(a) Relative hardness, Medium

(b) Lustre, Bright.

(c) Fracture, Blocky.

(d) Texture, Banded See 1, 2

(6) Impurities in coal. other than bedded, Coal is filled in places with

(a) Kind, with a sandy clay in thin lenses and masses

(b) Position and persistence, Irregular

(c) Rejected, yes Ease of separation, Easy. See

L. Floor: (1) Material Fire clay.

(2) Thickness 2' to 4'

(3) Variation

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

Clay is filled with plant impressions.

See

(5) Clay sample No. Location,

M. Stratigraphy

(1) Fossiliferous horizons underground,

Collection No. Location,

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

See

Collector, KDW Coal 5 6 State No. 1614

Mine, Hegler Co. La Salle Co-op. No. Extra

N.—UNDERGROUND SHEET (Geol.)

INDEX

K5 Section near face North West.

Coal fairly hard, bright & banded. Bottom is more banded than top. Glance coal is better distributed in the top. The layers of glance coal are up to 1" thick. A few sulphur balls occur towards the top. Mother coal in thick bands and lenses, 15 to 7 ft. Amount not excessive. The parting of mother coal however are not sooty.
Thickness 4'-6½"

I Roof: black slate, become streaked with gray shale towards top. Contact with sandstone unconformable. Contact of slate and coal very sharp. Slate contains small marcasite nodules. The slip plane in the black slate also have marcasite deposited along them.

Above the black slate occurs the sandstone. It is light brown color, micaceous, and sharp.

K3 Rolls can be traced for half a mile or more, and are 70' and better wide.

Section 2nd North off North West. 107 Entry

		vis.
1.	Very dark gray or black shale	3'
2.	Bone Coal	0'-8"
3.	Parting	
4.	Cannel Coal 3" to 4"	0'-3"
5.	Coal similar to other section	3'-2"

General Section

1.	Sandstone Unconformable		+
2.	Gray Shale		2' to 3'
3.	Black Slate	av. 6' to 10'	0' to 10'

Collector KOW Coal #5 & 6 State No. 1614
Mine Hegler Co. La Salle Co-op No. Extra
X.—EXTRA SHEET No. 1

INDEX

K5

Section

1. Roof Bone Coal +
2. Cannel coal, "parting indistinct" 5"
3. Coal 41½"

H

A thin bed of limestone rides in where roof is shattered.

Collector KDW | Coal 5 6 | ☐ State No. 1614

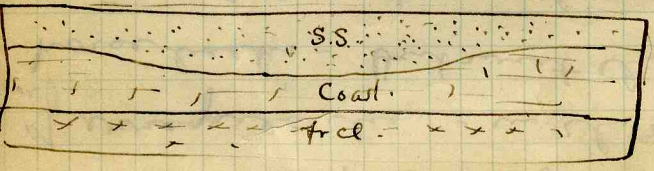
Mine Hegler | Co. LaSalle | Co-op No. Extra

X.—EXTRA SHEET No. 2

~~If~~ May 17. Night also May 10th night.
visited the M&H mine at LaSalle –
May 10 with Dr Savage, & Dr Grant
May 17 alone. (Coghill – Northwestern men)

Mr Nicolet conducted both parties.
Took us up toward the N.W. into area
where whitetops occur. The strata

The condition in the mine are normal
for #5 coal – the roof being variously
black slate or limestone – the latter
not being very conspicuous. In part
of the mine, however, a heavy sandstone
rests upon the coal – in places practically
cutting it out. a condition apparently due
to erosion (Savage)

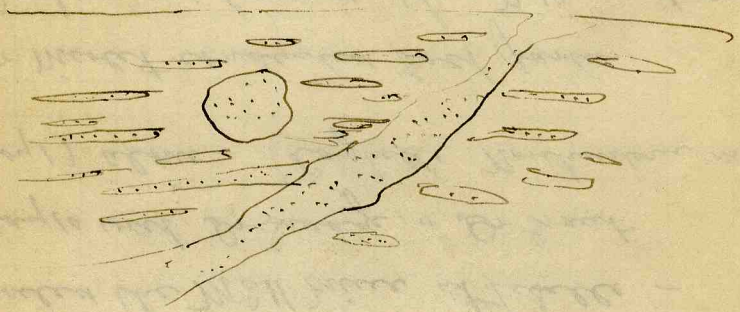


In the northwest part of the mine

Cody
Mathieson & Hegeler La Salle

1614

considerable difficulty is encountered on account of the great prevalence of irregularities - in the nature of horsebacks - but with the inserted material composed of micaceous sandstone instead of clay. In this case the sndstone seems to be forced in between laminae of coal - so that alternate bands of sndstone & coal make up the bulk of the seam - - Transverse masses as - also catch seam away sometimes to the ordinary horseback



Mo H mine cont'd

So far as could be determined from the short examination made there was no actual connection between these sandstone insertions and the occasional occurrence of sandstone roof tho' such connection is thought by Dr Savage highly probable. He was of the opinion that there was no essential difference between the "whitetop" and the "horseback".

In another part of the mine May 17 a well developed horseback appeared - the mass being composed of clay - and penetrating the roof and coal as well It lay in a small vein a few inches thick running at about 45° thru the coal and roof. The Editor Lateral offshoots were not as conspicuous as in case of the whitetop. The impurity being confined practically to the main horseback.

1614

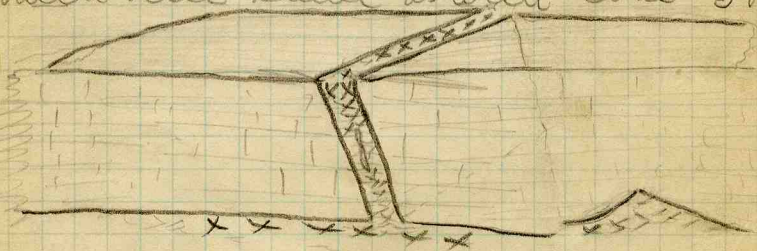
Mathieson & Hegeler La Salle.

Clay – M & H mine –

Mine about 6' below upper vein Probably 22-23 ft - thick – below the post mine contain sulphur balls –

vein

Vein - between 3 + 4 ft thick – pure coal Horse-back running thru the coal very much the same as with coal #5 below



Coal usually very ~~even~~ uniform in character but occassionally some "faulty" places – which extend down into the shale – ?

Shale used by company amounts to 18-20 tons a week, and about 2 car-loads a week is shipped – mostly to Steinmeyer – Lehall & Thiessen Co

Cady
Mathiesen & Hegeler

1614

June 13. M+H Mine

① - - Entrance to new straight west

Cr door - roof like st or soapstone
5 ft + in clay Horseback - nearly vertical - direction

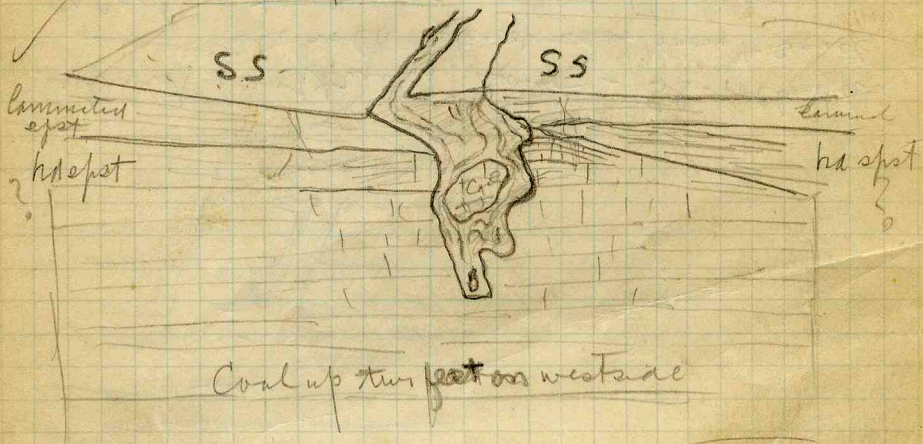
no 8 of E W of S

W
no ft from door slickensided surfaces - N+S approx
N+S end room - Sand rock find in center room -

about 3 ft slick between ~~roof~~ coal + ss -

Slickensided surface ~~between the~~ on the lower
surface of the ss -

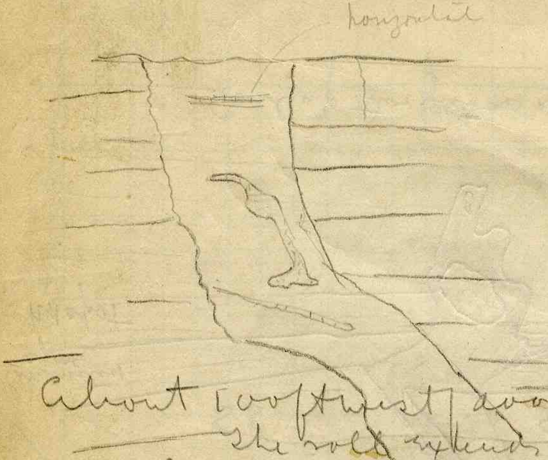
The horse back - is composed of clay
and passes up thru the ss -



Cady
Mathiesen + Hegeler
La Salle

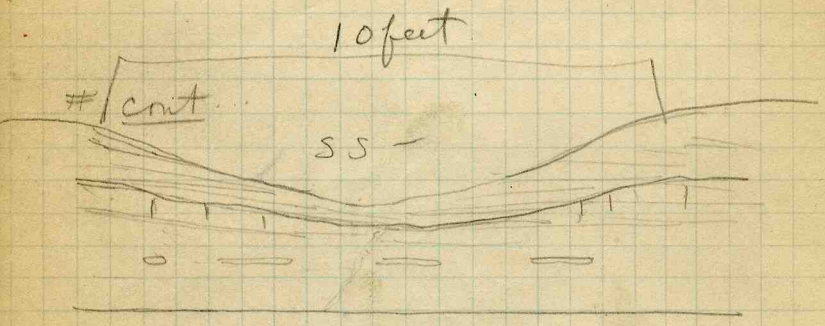
1614

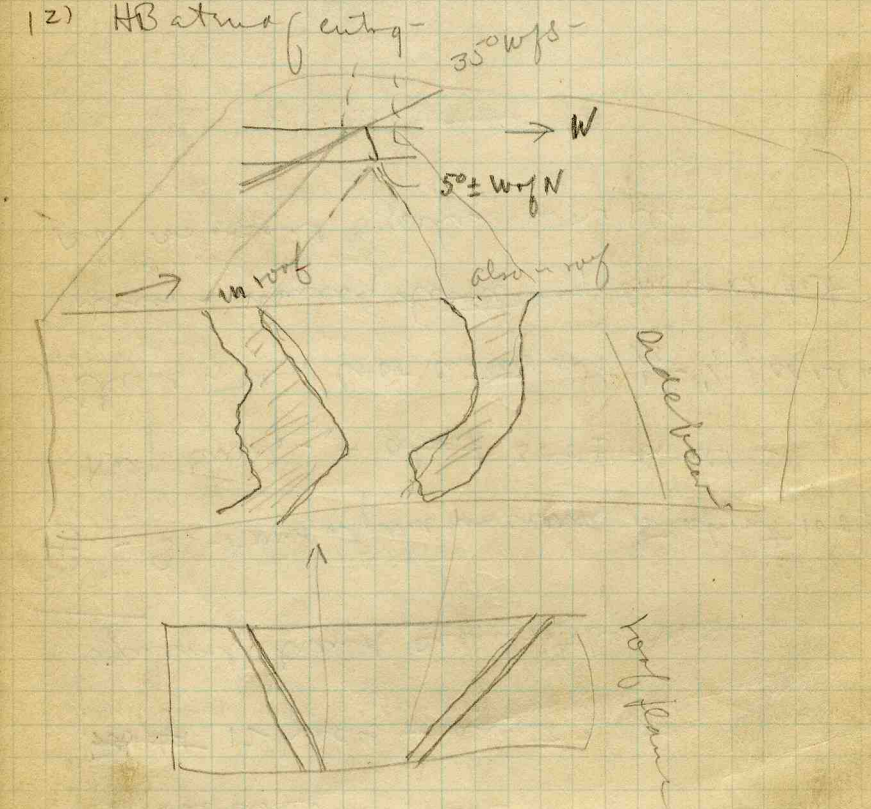
Horsebacks in north [illegible] groom



About 100 ft west [illegible] door - SS - rolls down
The roll extends across room & sound
on coal cut out top - so that thickness of
whole bed decreases from 5 ft appr to between
3 & 4 - ~~the bk sh roof is gone~~ The
The ~~roof~~ shale roof is present but
only 1 ft between coal & ss -

The sulphur seam is present about 2 ft
up as usual the thinning of the coal
apparently confined to upper half
above sulphur





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Mathiesen + Hegeler
La Salle

1614

#3 -

Incs parallel entry o -

The ss roll here has a breadth of ~~20 ft~~ 12 faces - about 30 ft - The general trend seems to be N-S -

(4) - Ss - runs up the ~~an~~ crossc to about 100 ft NW of Sump - - ~~about~~ 300 ± in all -

The ss is very low cutting out ⅓ - ½ of coal in places - usually little clay above coal but sw ss and boulders in places -

M & H Mine - Clay Mine

46" thick
Gray shale roof - good to draw slate
Fire clay floor

Cady
Mathiesen + Hegeler
La Salle

1614

Room 16-

#9 Off map - (Room running east from north entry -

at face - - slips dipping toward North Ls toward beginning of entry

Room - shows poor roof - ~~Coal~~ wet slips + draws - Coal about 4 ft thick

Cady
Mathiesen + Hegeler
La Salle

1614

Sump 112 - pass from fig at turn

75 pass from sump - ss separation

fm coal 2 ft shale - increase began

Coal began to rise again

(up 107)

(5) = 75' from parting - to ~~SS~~ Sand

First indication of ~~Co~~ white ss - in the coal - little round pel mass -

The shale above coal - ~~ss~~ is impregnated with a white material so that it presents a mottled appearance

~~Co~~ Coal begins to rise toward the north

50' north shale thickens - dip toward E

#6 - The roof from figure on map - appears to be abnormal to turn - except above the bk shale however the roof is all broke Broken - Atturn - the roof is fm to normal & solid

Cady
Mathiesen & Hegeler
La Salle

1614

#7 - Picture location

70 paces from main entry S.W.

at beginning of entry roof good - 25 paces in speckled roof begins - then 70 paces the "white top" condition of picture sets in - this last probably - 20 ft or so - at least - Entry closed beyond.

#8 - SS comes down within 2 or 3 ft of coal for short distance - - at these places there is a small horseback - Roof all filled with stringers of white SS ~~[illegible]~~ ss - Thins practical the same as white top only not so extensive

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Matthieson & Wegeler Date, 8-17 1912

Mine, M & W Located — miles — from La Salle

Location in mine, #10 Entry off N.W. Crosscut face 9200' from Shaft

Total (vertical) depth from surface at point of sampling 310

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 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, Bright		15"
X 2	Sulphur Band		1"
3			
X 4	Coal (very dirty		10"
X 5	Sulphur		1"
6	Coal dull		6"
7	" bright		9"
8	Output 650 T		
9	Roof - Black slate		
10	Floor - Fire clay		
	Total	3'	6"

Note Top coal is very dull for 5" from top

Is coal wet or dry? Dry

Time exposed, — hours 35 minutes.

Weight, 28 gross, net.

What are the impurities, and how do they occur.

What are shipped? Sulphur bands & Another Coal 1, 3, 5, 6, 7

What are excluded from sample? 2, 4 & 5 Coal bed,

Town, La Salle Mine, M.H. Co. Matthieson & Wegeler

Sample No. X 5301 Can No. 24 No.

1.--COAL SAMPLE SHEET. Sampler.

1614

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Mathieson Hegeler Date, 8-17 1912

Mine, M&H Located — miles — from La Salle

Location in mine, #20 Room face 8th W. of Main South 5000 ft. S. of

Total(vertical)depth from surface at point of sampling 240

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 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 Bright		14 1/8
2	Sulphur band		
3			
4	Coal Bright	164	
5	Sulphur band		2"
6	Coal		6"
7			
8	Roof - Black Slate	5 1/4	
9	Floor - Fire Clay		
10	Output - 550 ft		
	Total	4'	10 1/8

Is coal wet or dry?

Time exposed, hours 45 minutes.

Weight, gross, net.

What are the impurities, and how do tney occur? Sulphur

What are shipped?

What are excluded from sample?

Coal bed, #5

Town, La Salle Mine, M&H Co. Mathieson & Hegeler

Sample No. X-a B Can No. 200 No. 1614

I.--COAL SAMPLE SHEET. Sampler. Jones - Stafford

#5332

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Mathieson & Hegeler Date, 8-17 1912

Mine, M & H Located — miles — from La Salle

Location in mine, Entry from Main E.
6000' from Shaft

Total(vertical)depth from surface at point of sampling
310'

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 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				
2		Coal Bright	1	5
X 3		Sulphur band		1/4"
4		Coal Bright		8"
5			160	
X 6		Sulphur band		1 1/4
7		Coal Bright	2	3
8			5	4 1/4
9		Roof - Black Slate		
10		Floor - Fire Clay		
		Output - 550T	Total 4'	3 1/2"

Is coal wet or dry? Dry
Time exposed, — hours 40 minutes.
Weight, 35 gross, net.
What are the impurities, and how do they occur? Sulphur
What are shipped? 1, 3, 5,
What are excluded from sample? 2, 4, 6,
Coal bed, 5

Town, La Salle Mine, M & H Co. Mathieson & Hegeler
Sample No. Extra A Can No. ST. 220 No. X Extra
1.--COAL SAMPLE SHEET. Sampler. P. C. Arnold

1614

#5393

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Matthieson & Hegeler Date, 8-17 1912

Mine, M & H Located — miles — from La Salle

Location in mine #10 Entry of N.W. Crosscut face geo point Shaft

Total (vertical) depth from surface at point of sampling 310

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 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, Bright		15"
x 2	Sulphur band		1"
x 3	Coal (very dirty		10"
x 4	Sulphur		1"
5	Coal dull.		6"
6	" bright		9"
7	Output - 850 T		
8			
9	Roof - Black Slate		
10	Floor - Fire Clay		
	Total		3' 6"

Note - ~~Top coal is very dull for 5 in from top~~

Is coal wet or dry? Dry

Time exposed, 28 hours 35 minutes.

Weight, gross, net.

What are the impurities? Sulphur bands they Mother Coal

What are shipped? 1, 3, 5, 6, 7

What are excluded from sample? 2, 4 #5

Coal bed,

Town, La Salle Mine, M&H Co. Matthieson & Hegeler

Sample No. Xtra C Can No. 201 No. Xtra

1.--COAL SAMPLE SHEET. Sampler. [illegible]

1614

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Mathieson & Segeler Date, 8-17 1912

Mine, M & H. Located — miles — from La Salle

Location in mine, #20 Room face 8th W. off Main, South 5000' from Shaft.

Total (vertical) depth from surface at point of sampling 310

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 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 Bright		14/8
2	Sulphur band		
3	Coal Bright	1	
4	Sulphur band		2"
5	Coal	2	6"
6			
7			
8	Roof - Black Slate		
9	Floor - Fire Clay		
10	Output - 500 T		
	Total	4'	10 1/8

Is coal wet or dry? Dry

Time exposed, 3 hours 45 minutes.

Weight, gross, net.

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

What are shipped?

What are excluded from Sample? #5 Coal bed.

Town, La Salle Mine, M & H Co. Mathieson & Segeler

Sample No. Xtra B Can No. 200 No. Xtra

I.--COAL SAMPLE SHEET. Sampler. Mar

1614

COAL MINING INVESTIGATION

Cooperative Agreement

Mathieson & Hegeler 8-17

Operator, M & H Date, — — 1912

Mine, La Salle Located — miles from

Location in 6200' Entry face Main S. from Shaft

Total (vertical) depth from surface at point of sampling 310'

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 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 Bright	1	5
X	2	Sulphur band		1/4
	3	Coal Bright		9
X	4	Sulphur band		1/4
	5	Coal Bright	2	5
	6			
	7		5	4 1/2
	8	Roof -		
	9	Floor - Fire Clay Slate		
	10	Output - 550T	4'	5 1/2"
		Total		

Dry

Is coal wet or dry?

Time exposed, 38 hours 40 minutes.

Weight, gross, Sample

What are the impurities, and how do they occur?

What are shipped? 2, 4,

What are excluded from Sample? #2

Coal bed,

La Salle M & H Mathieson & Hegeler

Town, Extra A Mine, St. D20 Coal, Extra

Sample No. Can No. No.

I.--COAL SAMPLE SHEET. Sampler: Eric Arnold-Straw

IC 14

MOORE'S MODERN METHODS

PYRITE

GEOLOGICAL OCCURRENCE

See Extra Sheet No.

1. Manner

Seeses + seams.

2. Size of Masses

3. Measurements to determine amount

No.	Location in mine	1 C	1 P	2 C	2 P	3 C	3 P	4 C	4 P	5 C	5 P	Total Coal	Total Pyrite	Px3	P %
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															

4. Notes

- Based ans on inspection of coal on mine cars. Ded not go below (Cad.)

Total Average 6

5. Samples.

Label No.	Location in mine	Analyses, etc.

Dr Pogue talked with E E Jones, Chemist Possibly tried out recovery in their own furnaces later.

6. Notes

Collector Pogue Date 1917 Coal No. 5

Operator M & H. Zinc Co. No.

Mine M + H Index No. 1614

Y—PYRITE SHEET (1) La Salle

(8712-200-7-18)

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906 334958

MOORE'S MODERN METHODS

Symbol Z-1. Description Inches

[1 division=3 in.]

Roof - slate

		7½"	1.	Coal - 90% glance.	7 ½
1.	1.	1/16"	2.	Bone parting	1/16
		1"	3.	Coal - 90% glance	1 —
	2. 3.	1/16"	4.	Bone - parting	1/16
2.	4. 5.	2½"	5.	Coal - 90% glance	2 ½
	6. 7.	⅛"	6.	M.C - intermittent S.	⅛
3.	8. 9. 10.	2"	7.	Coal - 80% glance	2 —
	11. 12.	1/16"	8.	Irregular S.	1/16
	13. 14.	1½"	9.	Coal - 80% gl.	1 ½
		1/16"	10.	Irregular S.	1/16
4.	15.	1½"	11.	Coal - 80% gl.	1 ½
		¼"	12.	Clay & S. - persistent.	¼
		"		thickens to 2" in places.	
	16. 17. 18. 19. 20.	1"	13.	Coal - 80% gl.	1
5.	21. 22. 23.	-	14.	Irregular bone.	— —
	24. 25.	8½"	15.	Coal - Upper 3" 90% gl.	8 ½
6.	26. 27. 28.			- Middle 2½" 50% gl.	
				- Lower 3" 70% gl.	
	29. 30.	1"	16.	Pyritic clay - persistent. thickens to 2"-3" sulphur balls.	1 —
7.	31	½"	17.	Coal. - 50% glance.	½
		¼"	18.	Pyritic clay	¼
		1"	19.	Dirty bone	1
		-	20.	Pyrite streak	—
		1½"	21.	Coal - poor	1 ½
		-	22.	clay shale	—
		½"	23.	Bone	½
		2"	24.	Coal - 50% gl.	2
		1/16"	25.	Bone	1/16
		2½"	26.	Coal - 75% gl.	2 ½
		¼	27.	Irregular M.C. & S.	¼
		1½	28.	Coal - 40% gl.	1 ½
		2"	29.	Coal - 10% gl.	2 —
		¼"	30.	M. C.	¼
		12½	31.	Coal - 30% gl.	12 ½

Floor - Fire clay

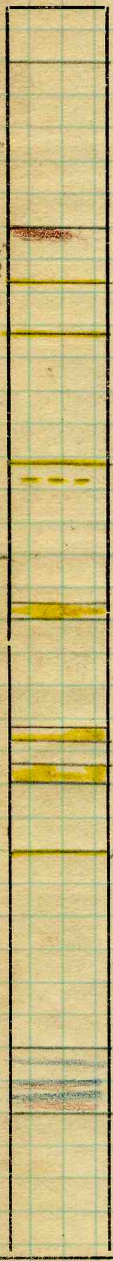
Collector. Coal: Survey No.

Mine. M. & H. Co. Index No.

Q.—COAL SECTION SHEET.

Symbol Z-2. Description Inches

[1 division=3 in.]



				Roof - Shale, gray	
10"	1.	10"	1.	Cannell coal. Upper part high in ash and merges into shale. thickness variable.	10 -
3½	2.	3½"	2.	Coal - upper part often bone. - 30 % gl.	3 ½
3"	3.	1/16"	3.	Sulphur band	1/16
	4.	3"	4.	Coal - 30% gl.	3 -
8	5.	1/16"	5.	Sulphur band	1/16
	6.	8"	6.	Coal - 30% gl	8 -
	7.	1/8"	7.	Persistent sulphur	1/8
				irregular "	-
8½	8.	8½"	8.	Coal - upper & lower 80% gl. - middle 1" dull	8 ½
		1"	9.	Sulphur ball - persistent.	1 -
7	9.	6½	10.	Coal - 70% gl	6 ½
		1"	11.	Sulphur - varies from 0-1"	1 -
6½	10.	1½	12.	Coal - dull	1 ½
		1"	13.	Sulphur - ½"-1"	1 -
2	11.	4"	14.	Coal - 50 % gl.	4 -
1½	12.	-	15.	Sulphur streak.	- -
1	13.				
4	14.	12"	16.	Coal - 30% gl.	12 -
	15.	4"	17.	Coal - bony with slate bands	4 -
				Floor - fire clay.	
12	16.				
4	17.				

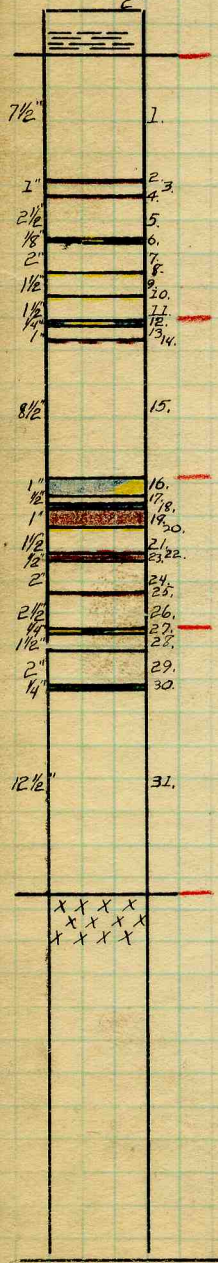
Collector. Coal: Survey No.

Mine. M. & H. Co. Index No.

Q.—COAL SECTION SHEET.

Symbol Z 1

[1 division = 3 in.]



Description	Inches
Roof - slate	
1. Coal - 90 %	7 1/2
2. Bone parting	1/16
3. Coal - 90 %	1 -
4. Bone parting	1/16
5. Coal - 90 %	2 1/2
6. M. C. - intermittent S	1/8
7. Coal - 80 %	2 -
8. Irregular Sulphur	1/16
9. Coal - 80 %	1 1/2
10. Irregular Sulphur	1/16
11. Coal - 80 %	1 1/2
12. Clay and S - persistent, thickens to 2"	1/4
13. Coal - 80%	1 -
14. Irregular bone	-
15. Coal - upper 3" - 90 %	
- middle 2 1/2 - 50 %	
- lower 3" - 70 %	8 1/2
16. Puritic clay, persistent. thickens to 2"-3" S ball	1 -
17. Coal - 50 %	1/2
18. Pyritic clay	1/4
19. Dirty bone	1 -
20. Pyrite streak	-
21. Coal - poor	1 1/2
22. Dirt	-
23. Bone	1/2
24. Coal - 50 %	2 -
25. Bone	1/16
26. Coal - 75 %	2 1/2
27. Irregular M.C. and S.	1/4
28. Coal - 60 %	1 1/2
29. Coal - 10 %	2 -
30. Mother Coal	1/4
31. Coal - 30 %	12 1/2
Floor - Fire clay	

Collector.

Coal: Survey No. 5.

Mine. M. & H. Co.

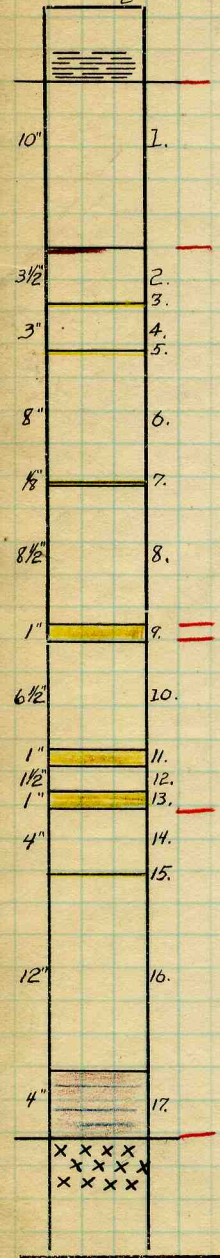
Index No. Z1-5

Q.—COAL SECTION SHEET.

MOORE'S MODERN METHODS

Symbol Z 2

[1 division = 2 in.]



Description	Inches
Roof - Gray shale	
1. Cannel coal. Upper part high in ash and merges into shale. Thickness variable.	10 -
2. Coal - upper part often bone - 30 %	3 1/2
3. Sulphur band	1/16
4. Coal - 30 %	3 -
5. Sulphur band	1/16
6. Coal - 30 %	8 -
7. Sulphur, persistent	1/8
8. Coal, upper and lower 80 %, middle 1" dull.	8 1/2
9. Sulphur ball, persistent	1 -
10. Coal - 70 %	6 1/2
11. Sulphur, varies 0"-1"	1 -
12. Coal - dull	1 1/2
13. Sulphur, 1/2"-1"	1 -
14. Coal - 50 %	4 -
15. Sulphur streak	-
16. Coal - 30 %	12 -
17. Coal - bony with slate bands.	4 -
Floor - gray fire clay.	

Collector.

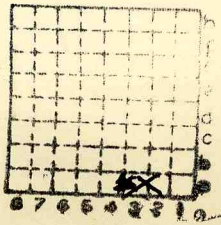
Mine. M. & H. Co.

Coal: Survey No. 5

Index No. Z2-6

Q.—COAL SECTION SHEET.

MATHIESSEN HAGLER #2



Mine index 2671

Mine originally operated by: (1) MATHIESEN HAGLER. LASALLE

Date 1883

Orginal name or number: shaft #2. (est)

Illinois Coal Report p. escapement shaft.

LATER OPERATORS

	Date	Operator	Name or No.
2	ABD. 1960	J.Y. 11-69.	
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

* Also owners # See ownership sheet

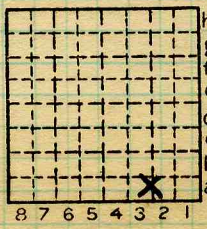
Railroad, Wagon, Idle, Abondoned

IDENTIFICATION

County No. Coal No. ☐

Quad. 62 Part 8

County LA SALLE



Sec. 22

T. 33 N. S.

R. 1 E. W.

Index No. 1622.

COAL MINE OPERATOR

(34216—1M—3-30) 7