



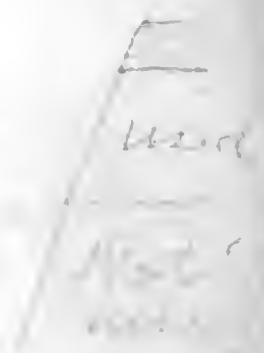
BC. 60824 Louisville to Nashville
Bryle Check.

Newman Station

11 1/2 Foster + Craigton's Switch
2 1/2 Pegram.
Kilgus

10

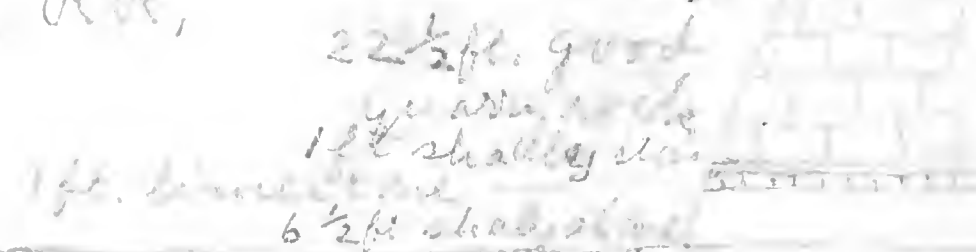
Aug. Saturday. Newman.
Quarry 1/2 mile S of R.R. station.
6 ft Waldron shale. fossils.
15 ft. L. red sandy rock Samples,
and masses in white rock.



In L. red was found
fossils - abundant
in L. red

Waldron shale

66 ft above R.R.

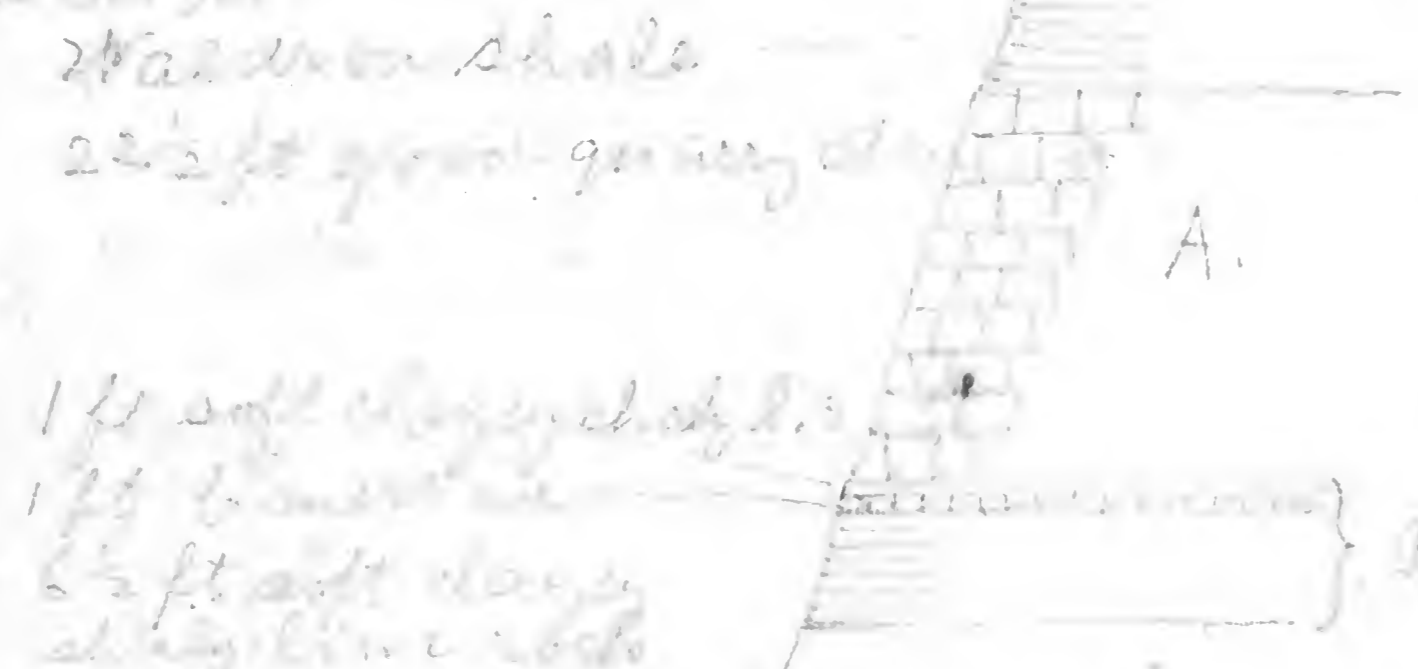


30 ft. July
to R.R. -

R.R. - lowest exposure

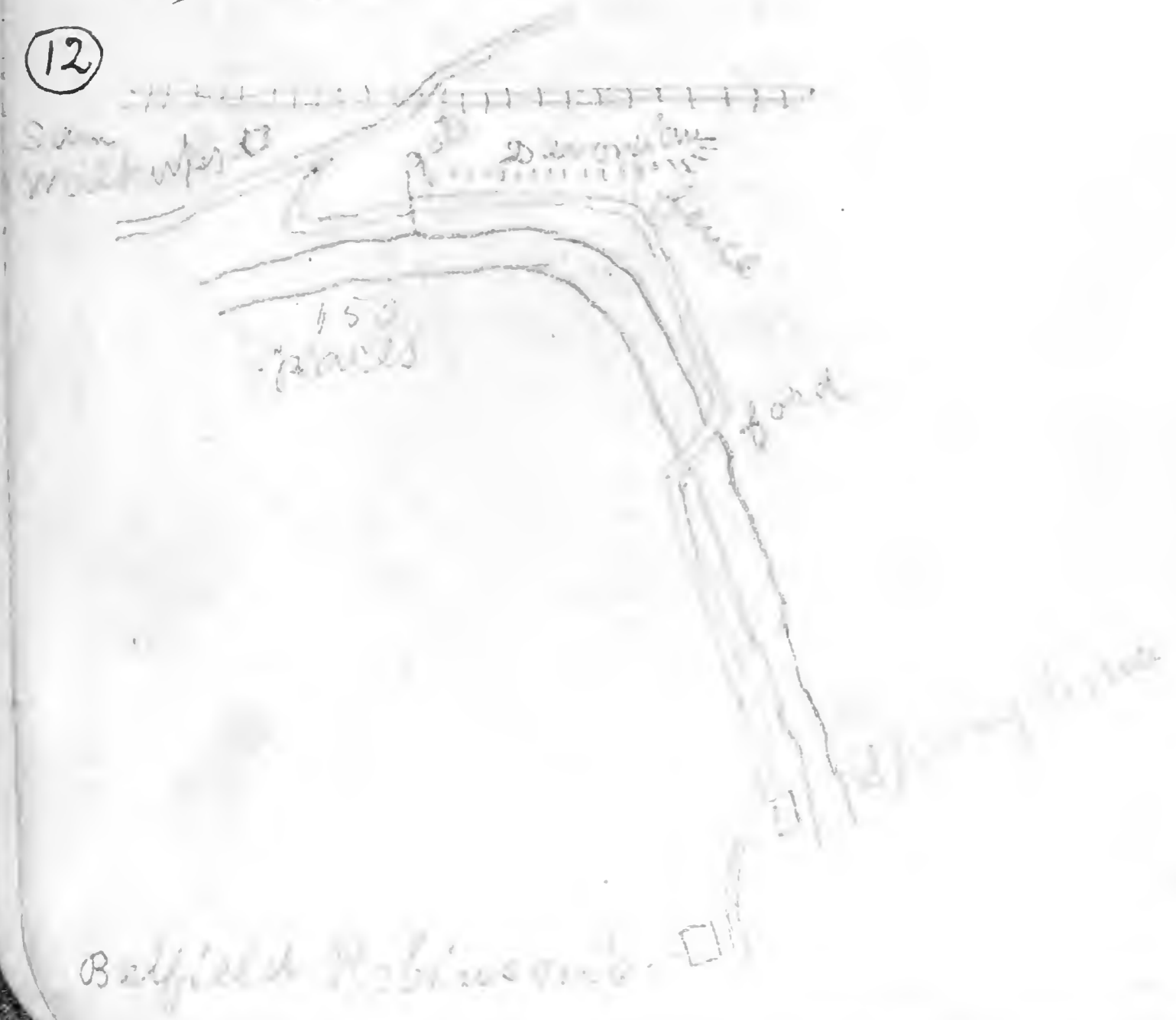
The Devonian limestone occurs west of
Newman. Very thin layers, just above the
base of a magnesian sand

3) Same section as in page 1, but call
 10 cont. = 5 ft to one square = double most at
 section



Cherty limestone
 at least 30 ft of
 the lower part
 could be about
 25 ft
 R.P. at Newsom

+ Ill. ambig. glabella
 + Halysites
 Fossils at
 spring house of
 Bell Robinson
 + Favosites



10 cont.
 A. 22 1/2 ft of good quarry stone at 1/2 mile
 West of Newsom station on highway
 20 ft of good quarry stone at Newsom
 station but shale not seen there
 16 ft of good quarry stone at quarry
 1/2 mile S of Newsom station but
 trace of quartz rests in a good part
 probably thin limestone layer.

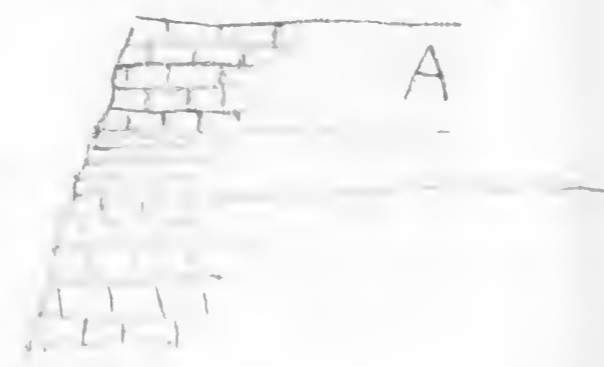
10 cont.
 B. Exposure of the soft rock that
 we have met clay is found 1/2 mile
 West of Newsom at spring at quarry on
 S side of road along the bank.

Between Newsom and Foster and
 Cright via Switch, along road on N.
 side of Harpeth river the clay is about
 11 feet thick. The lower 2 feet are fine
 light colored and the next 2 feet are
 mixed with purple.

12
 Saw Wallcut, one is about 3/4 mile west
 of Foster and Cright via switch just W.
 of the point where the road crosses the river
 just before reaching Bell Robinson's a road
 runs down hill and then along the N.
 bank of the Harpeth river up the stream.
 Where the road runs all over 5 ft of Devonian
 limestone with 4 inch fossil
 at an exposure (Black shale fossiliferous
 layer is opposite side
 at Bell Robinson's cherty layers begin 5 feet below
 clayey rock.

(13) 1/2 mile W of Pegram, just east of bridge.

8-12 ft Devonian
7-7 ft clay shale
15 1/2 ft to quite clayey creek



A Devonian contact across Orbits, that is, that along middle and outside. This section shows a contact about 1/2 of the value.
The Devonian fossils found here are similar to ones found at Newsom. The upper 6 inches of the Devonian contains black nodules like a mass of them found in Devonian of Kentucky & Indiana.
The upper 1 foot of Devonian will go into the basal sandy part of the black shale but it contains the Devonian Orbits, similar to that found in the lower part of the section.

Newsom	Sam Walker	(R.R. Pegram)	Asht Creek	Bakers
32 ft	23 ft	8-12 ?	17 1/2	
12		8-	8 ft - 8 1/2 ft	X
22 1/2	18 ft +	15 1/2 +	24 1/2	27 1/2 ft
8 1/2 +	7 1/2 ft		10 ft	14 ft
30-	22 1/2 ft		23-27 ft	12 1/2 ft
35 ft	+			7

- | | |
|------------------|---------------|
| Pegram + | Compton |
| Bledsoe + | Lawrenceville |
| Newsom + | Waldrone |
| White's Bend 0 | Lawrence |
| South Mountain + | Asht Creek |
| Bakers + | Clinton |
| Leipers Fork + | Delaware L.S. |

6

Whites

9 On arrival along Ashland City pike.

Walden

Entoloma reticulata

Stropharia reticulata

— *Entoloma crassum* var. *ott*

Stropharia elegans

Rhynchopeltis gracilis

— *Favosites globularis*, small.

Spirifer small very few specimens

Peronia *trisa*

Leptogium *repens*

Stropharia *globularis* form

form at Walden

Stropharia *globularis* form with

yellowish, *globularis* form

at Walden

Stropharia *globularis* form

— *Stropharia* *globularis* form

at Walden about 2 specimens

at Walden

at Walden

Arachnoidia *pygmaea*

Calymene *Waldenensis*

— *Stropharia* *globularis* form

— *Stropharia* *globularis* form

Stropharia *globularis* form

at Walden

Stropharia *globularis* form

at Walden

Stropharia *globularis* form

at Walden

Stropharia *globularis* form

at Walden

9 cont

Black shale 3 1/2 ft.

Walden 2 1/2 ft to 3 ft

Sarcel

2 1/2 ft of top portion is quarried.

Shine reddish & under it as at Newsm.

Clinton along Ashland City pike

Favosites *favosus*

Halysites *cutonensis*

Cathartes *calyculata*

Orthis *lygata*

Orthis *flabellata*

Strophomena *subuliginosa*

Strophomena *elegantissima*

at Walden

Walden

Flat 5 angled *Leontopodium* *viridum*

Doronicum *foliosum*

Stropharia *globularis* form

at Walden

at Walden

8 9 cut at quarry nearest road.
 Waverly John Sull - 12 miles Nash.
 Black Shale { 1 foot brown sandy stone with a
 few in veins of marl color = 2 inches
 4 ft 3 in. { 3 feet black shale
 { 3 inches brown sand stone

←
 Waldron 2 1/2 to 8 feet. The lower two feet
 of shale contains plenty of thin lime-
 stone layers. and this is by far the
 most fossiliferous part.

←
 Sarsel 22 1/2 ft top portion is quarried.

9 cut At quarry NE of last, several
 hundred feet from road.

Waverly rests directly on

Waldron, about 8 feet thick. It is in
 this and last quarry that the fossils
 were obtained.

At a few places several strata
 of brownish rock show up above the
 Waldron bed, and beneath the
 Waverly bed.

9 cut Waverly rests directly on Sarsel
 top west of John Sull 60 - but
 at old quarry near the above
 20 - 30 feet were found

Views 1-5 just West of John Sull.
 Clinton + indicated from Sarsel.

9 cut Along road just west of highest point
 just west of John Sull, 1/4 mile.

Black shale on trace of Waldron
 Waldron couple of inches = 2 inches?
 very little exposed.

Sarsel top well exposed. Practically
 in contact with the black shale.
 Thickness 24 1/2 feet. Bottom difficult
 to distinguish from Ozark.
 Ozark not well exposed here, about
 10 feet on a small hill to it here, this
 being the uppermost section.

Clinton? The cherty beds from top of
 exposed cherty beds to bottom. The
 bottom well marked. There may be
 beds higher than the one here found
 but that is not very likely. Thick-
 ness at least 27 1/2 feet.

9 cut At another point I secured a measure-
 ment of the cherty Clinton with a
 double bar. The thickness of Clinton
 was 23 feet exactly. The 20 feet
 above was calculated at 12 feet,
 and 11 feet of the very irregular
 Madison was seen below.

The section therefore was
 12 ft. of Sarsel + cherty. Take upper figure
 23 ft. of Clinton. Take upper figure
 11 ft. of Madison + + base not
 seen. Fossils found at top
 of Waldron

8

Baker Station, SE of stations

at northwest end of quarry
- Black shale

8 ft. Waldron shale, narrowing to only
a few feet going southward.

27 1/2 ft. Laurel limestone. *Spirifer*
common 3-4 feet above base. The
lower part from a transition to
the rock below.

7 1/2 feet of Asgard rock, a clayey
sandstone like with some of the
west part of quarry. The upper
half has some a *Strophomena* form
at base at the southeast end of the
quarry. This suggests that the
Asgard is likely to be a
transitionable form to Laurel in
some sections.

6 1/2 ft. of Asgard rock, an exposed part
above the transition north of the quarry
at SE end of quarry. Part of
the section below at same locality.

12 1/2 feet clayey limestone, somewhat
top and bottom part shaly. All of
the fossils found below in here.

Part of the fossils with fossils B shows
over the massive rock at the corner
cannot be identified as they are above
spiky part E of quarry. SE
end of quarry.

View 6 or 7. Clinton. *Rafinesquina*
What is it?

6

Bledsoe Station.

Smaller horizon
seems to occur lower down in the
Corniferous. Small *Spirifer* common. Blue

1 mile N of Bledsoe.

- Top of mud on flat. *L. missville* 82 1/2
- *Pentamer. lineata* Sam Fleming 78 1/2
- (Base) Black shale at C.F. Hodges. 77
- *Pentamer lineata* common. S.F.L. 68 1/2
- *Pentamer lineata*, common. S.F.L. 65
- *Spirifer* small C.F. Hodges 61
- *Pentamer. oblong.* C.F. Hodges 54
- 82 1/2 *Spirifer* large, common only. C.F. Hodges 18
- *Pentamer. oblong.* *Strophomena* etc.

Lowville.

Bledsoe Station.
at Sam Fleming's, Darkey, 1 mile N.W.
Waldron 9 1/2 ft. shale, in fossils.

Laurel, Asgard + Clinton, on south
side of bridge above I walk to school house
1/4 mile N of Bledsoe station.

Laurel 39 1/2 ft.
exposed.

Asgard 20 1/2 ft. *Favosites* curls. Lower 5 1/2 ft. not
common.

Clinton. 5 3/4 ft. white, C.F. *Favosites* fossils.
Lower Clinton.

View 8+9. Clinton. along P.R. above
Sam Fleming's house. The *Pentamer*
lineata or *oblonga* about 2-3 ft above P.R.

12) ⑦ South Terminal station
 330 ft S end of 2nd Terminal 3300 = 1/2 mile
 150 ft south of S. Terminal is top of Black
 Shale. 3900
 660 ft (810 ft) north end of Black Shale
 in deep cuts
 390 ft (1200 ft) south end of this cut. The
 nodules layer at top of Black
 shale is well shown in this cut. (1/4 mi)
 660 ft (1860 ft) north end of deep cut in
 Black shale
 420 ft (2280 ft) south end of cut. Shale
 is a full thickness of Black
 shale in the underlying Waverly, Waverly
 540 ft (2820 ft) Half a mile = 2640 ft North
 end of cut. Black shale, Waverly
 and sand.
 330 ft (3120 ft) south end of cut
 150 ft (3270 ft) same as above described
 630 ft (3900 ft) (3/4 mile = 3900 ft) North
 end of cut with sand + siltstone.
 300 ft (4200 ft) south end of cut.
 60 ft (4260 ft) road crossing
 View 10+11 Canyon below sand
 above.
 100 ft (4390 ft) Canyon top on E of road
 road fronts.
 210 ft (4600 ft) (4500 = 1/2 mile) from
 1080 ft (5680 ft) 5400 = 1 mile North end
 of cut. Clinton = 5400 = 1 mile
 240 ft S. end of cut. Fine siltstone
 also shown in this cut.
 (5720 ft) (5720 = 5/8 mile)
 300 ft (6200 ft) North end of cut. Clinton
 L.S. = 6200

7 cont
 100 ft (7190 ft) (7200 = 1 3/4 miles) 2 miles
 of cut. (Total 2 miles S of S.T. Station)
 1080 ft Entrance to long quarry cut in
 (8270 ft) 8260 ft = 5 3/8 miles.

View 12: View of Black Shale with
 Waverly at top, at foot of dark
 and a corner, with other stuff at foot
 at top of bog. (2280 ft)

View 1+2. Sand, with Waverly
 at least 5 feet, at top. At top of
 bog.

View 3, less good. from below - sand of
 rather to increase in layers
 above - layers. This may be
 3 feet transition rock.

View 4+5. Clinton local chert layer
 at top of bog.
 Clinton L.S. below.

Waverly	limited thin layer
Black shale	nodules layer 1 ft
Waverly	cherty block 16 ft } 25 ft
Waverly	cherty 8 ft
Waverly	at least 5 ft.
Waverly	28 ft lower 1/2 ft transition
Waverly	14 to 20 feet to top
Clinton	7 at least
Top of Clinton	5500

7) On road Tank to Linton. 1/2 mile
 north east of Tank. 1/2 mile north of
 road. 1/2 mile west of Tank. 2 m.
 west of Tank.
 The rock is Silurian. Halysites
 Brittoni, etc. in chert fragments
 exposed. 30 feet in height
 of limestone exposed. 1/2 m.
 from road. 1/2 m. west of Linton.
 Proterozoic or Cambrian.

W. M. Forehand at foot of
 hill, 1/2 mile west of Tank.
 11 feet of black shale
 with thin layers of
 sandstone. Top not
 6 1/2 ft. Black shale. 1/2 m. west
 3 ft. with thin layers of chert.
 10 ft. not exposed.
 9 ft. crinoid stems, etc.
 a little bit of limestone
 in the middle.
 5 ft. of clayey limestone with
 plates of chert.

Tank is 3 miles from Linton. It is
 about 3 m. about halfway to Linton
 and Linton is further up the valley
 map.

21) About 2 miles due west of Franklin
 is high ridge. On east side is black
 shale apparently overlying Lower Silu-
 rian directly. No fragments of Halysites
 or other Silurian seen and sections not
 many feet apart.

22) About 4 mi. south on the Franklin-
 Columbia road is a store, 3/4 mile west
 of the store is a high hill. At top of this
 hill is black shale apparently resting
 on Lower Silurian. Same as last.

23) Four miles ^{west} south of store mentioned in
 last note is Hillsboro, also called Sei-
 pers Fork. These names do not apply to
 separate localities as indicated on my
 map. Seipers Fork is the correct name. P. S.

24) About 3/4 miles west of Hillsboro on road
 to Ferrvale is house of Mr. William
 Penitt. On south side of road at spring
 near foot of cliff is Black Shale rest-
 ing directly on Lower Silurian. For
 section see former visit. Dobbin's Branch.
 2 ft. layer with nodules chiefly at top & bottom.
 5 ft. Black shale, 4 in. chert nodules layer.
 1 ft. dark brown sandy stuff, age not known.
 30 ft. clayey Lower Silurian limestone.

25) About 6 miles from Hillsboro and 1 mile
 from Ferrvale, just before reaching
 house of Mrs. Annie Inman. Black
 shale resting on Lower Silurian limestone
 with fossils.

Black shale 1/2 ft. nodules at top.
 Seipers Fork bed 5 ft. 6 ft. in thickness at
 and the chert is thin. Stripes brown.
 The bed is a very thin layer.

The large *Cyrtus* bygonia found just beneath the Scipion Fork bed is crinoidal, coarse, reddish. etc. This bed was found yesterday at W. M. Fox's place.

20 At the Spring South of Fernvale the Black shale is 7 1/2 feet thick. The spring comes out at base of Black shale.

A short distance southward the lower Silurian (the first creek I think) shows up below the Black shale. Exposures of black shale disappear soon I think going upstream, or the way.

Plenty of water between Fernvale

* I found a faint one, in road to Fernvale, but looks like made from Belknap.

23 At south end of Hillsboro, up the hill west of school house, at spring, Black shale in lower Silurian. A small opening at opening of Mr. W. M. Fox's road in road to Fernvale Springs.

I have noticed also about 2 miles south up the same road, going west from school house at a broken down bridge.

27 Along the Foundation Carter's Creek for the 7 1/2 miles out, then west up the Boston road 2 1/2 miles. (2 1/2 miles also from Boston) Bartle Potts lives here on road of Craig & Bensley. A fine art creek west of house a fine spring is found on north side of the road. Near top of hill above the spring Black shale rests upon the Silurian. In on! (in Scipion Fork bed?) Fossils found up to top. There are good nodules. The entire thickness of Black shale is certainly less than 10 feet. It is mostly at the

At the Sulphur Spring, 1 mile W. of Boston, the Black shale rests directly on lower Silurian. In on, with fossils. This is not the Scipion Creek bed.

Up stream from Town of Fox, Scipion Creek.

Clinton is clearly up to very top. Near top in the Silurian horizon. Halysites very abundant. Also several specimens of the peculiar *Onychodonta* fossil which I once considered a crinoid base, and which I found both at South Tarrant and at Winter Pond near Ashland City in the Clinton, over.

18) *Asphyriopsis* nearly 3 in broad
with white channels on upper side.
Spiral of ... as wide as
the length of ... at ...
Illerensis ... large form in
Cayuga in ... Illerensis
fossiliferous.
Crossed ...
A form apparently *Rhinospira*
frondosa.

Helicotoma subreticulata
Orthis papillata, *Orthis elegantula* small
Orthis bifurcata small.
Clinton 33 feet thick. Contains
small ... on their ... with
Orthis sinuata ... about ...
about Carol ... house, 1/4
mile above ... Fox. Also
branching *Hyrtopsis* + *Strophomena*
... form above ...

About 1/4 mile ... Fly's store, 200
steps north of M. F. Bookers house
on left side of road. Brown silu-
reous shale, about 4 ft. thick, 1 foot
... with
... R. ... and ... north,
Water Valley is 5 miles ... of Fly's
at ... store above M. F. Bookers
house were found. *Orthis papillata* ...
Orthis subquadrata ...
Orthis acuta ...
Orthis
Strophomena ...

Notes from former trip,
Columbia, Bethell Hotel 1000
Williamsport bridge, 912
Seifer's creek, 1st crossing 900
NE of J. M. S Gardner's house,
about 2 1/2 miles S of Fly's store +
2 miles N of Water Valley 970-988
Seifer's creek bed at Gardner's, 1070.

Section N of J. M. S Gardner's house.
D Top of nodular layer, 4 1/2 ft above B.
Nodules large, phosphatic.
C Shale light blue above, dark below,
earthy, not yet black + fissile. 4 1/2 ft
B Top of conglomerate layer, 2 ft above A
A Clayey beds overlying Seifer's creek
more solid limestone contains brach-
riopods etc.
O 9 ft. crinoidal L.S. limestone.
Top richly fossiliferous.

Section N of Bookers N of Illerensis etc.
3 ft. white crinoidal limestone Clinton.
Alcyon ...
4 1/2 ft. clayey rock weathered out. L.S.
5 in. cone limestone full of fossils
6 in. limestone full of fossils seen at ...
1 ft. blue shale L.S. fossils, coarse.
6 ft. 2 column brown Seifer's creek
bed

over.

20. Notes from former trips.

Tom Fox,

1115,

Top of Wyke Silurian section.

W. side

White layer, 1 ft above,

Black shale, 3 1/2 ft exposed } 9 1/2 ft.

First Black shale 5 ft above

Niagara

Above old Oil Spring, Wyke
Silurian seems thicker than at
last exposure going up the creek.
My former readings were:

3 ft Black shale

44 ft exposed

14 ft not exposed,

surface creek bed.

This must be looked up again.

J. V. Sinton, Davidson Cr.

Black shale at 1175

Driveway at Hillstone, 1107.

Johnson V. Sinton

J. V. Sinton about 1/2 mile above Hillstone or Sinton P.O.

(21)

d) And about 2/3 mile N. of Columbia quadrangle.

3 in sandstone

21 ft Laurel. P. acuminatus

6 in, soft rubble clay limestone

3 ft 0 in } harder limestone

1 ft 3 in }

1 ft 7 in, limestone weathering black.

4 ft 10 in clayey limestone, like beyond limestone in south side of Baker station quarry.

Coarse section in quarry, rocks dip south.

15 ft of Clinton exposed down stream, cherty

1/2 mile to J. A. Sinton, where road crosses on the whole valley westward about 4 miles to Sinton about 2 miles to school

c) Jim. Sinton Jr. about 1/2 mile beyond J. A. Sinton, where road crosses the stream, going southward, is Black shale resting on Clinton, cherty.

Black shale

16 1/2 ft cherty Clinton 1700 yds

1 ft not exposed.

crack

see note with large corals at Tom Fox
Cyclonema bilobes grad. Favosites

a) Black shale at School house
 5 ft shaly clay, such as is found
 above lower Silurian and below
 Clinton N. of Calamus store on
 Leipers Creek. N. of Tom Fox
 age of this shale rather even -
 lower Silurian.
 In lower Silurian and middle one
 (unconformity) here are:
Orthis planifolia (in form?)
Orthis subquadrata!
Orthis like *insculpta*?
Strophomena large, leaf num-
 erous impressions. Went after
 the next layer was in size. This
 form seen at Dayton.
Orthis very small etc.

b) just N. of the house. South 1/4 mile
 of your house. L.S. house.
 2 ft of shaly Clinton on
 2 1/2 ft of the soft shale mentioned
 in last locality.
 lower Silurian in Clinton.
 Black shale in Clinton.

Center rd. On road W. down to
 R.R. station.

Waverly
 4 in. nodular layer
 4 1/2 ft. Black shale.
 shaly clay
 8 in. sandstone layer, phosphatic bed
 2 1/2 ft. Waverly shale. Top eroded part
 15 1/2 ft. Laurel. *P. varians* gemmiferous.
 some part not exposed here.

R.R. section S of town, Clinton
 Reddish bands to the upper part of
 Laurel bed, some shaly. More even
 Clinton than Waverly in fact seen.

4 in. nodular layer
 4 1/2 ft. Black shale
 8 in. Phosphatic sandstone
 4 in. - Waverly shale,
 some nodular
 25 ft Laurel rock. *P. varians* + *Orthis*
 in fact, in Clinton. Laurel.
 4 ft. more shaly red sandstone with
 layers calcareous rock.
 6 1/2 ft. shaly Clinton with a little more
 12 1/2 ft. Clinton. Both in, not even.
 20 ft not exposed.
 Coarse irregular layers, shaly rock
 possibly in fact, but L.S.

Clinton is the upper part, thicker than
 31 - 33 feet.

24) Clinton fossils at Centreville

36 ft. 2 in. limestone
Syllid - entire bed 2 in.
Orthis flabellata
Trilobites - 3 in. complete very good
about 9 1/2 ft below top of Clinton

Clinton at bridge 4 E of town
is 20 ft thick, below not seen
Centreville

Montgomery area
Preliminary section

Waverly

1 ft. thin, carb. shale
4 in. wavy layer
6 ft 3 in. Black shale
6 ft 8 in. sandy
28 ft limestone to base of black shale
Culvert in road

57 ft to black shale base
15 ft clayey limestone, soft weathered
7 ft. bed

solid limestone, may up 25
6 in. shaly limestone
9 in. limestone
4 in shaly limestone
1 ft 3 in limestone
3 ft limestone
4 ft. uniform clay fossils
Within but rock from creek up to
this level - 43 feet above creek
29 feet below black shale

Montgomery Mill, Hickman Co.
Completed section
Waverly

1 ft. thin, carbonaceous shale
4 in. wavy layer
6 ft. 3 in. Black shale
6-8 in. sandy layer
shaly layers 4-6 in. thick, some
limestone, except at very base when
25 ft to base of black shale, also solid

Spindle Andora
Rhyolite with Pennsylvanian?
Platy limestone layers
Cenozoic fossils - relation!
Cenozoic fossils probably crassus
4 ft clayey fossils. Here I found records
above mouth of "tunnel" at mill
with blue quartzite. Total 43 feet
looks like the limestone at Centreville
28 ft. more solid limestone. Waverly part
not shaly distinct from rock above.
15 ft. clayey limestone weathering back.
10 ft. From Duck river to base of section at
Montgomery mill = river & road.

26) Far spring 1/4 mile S of Swan Bluff.

Black shale.

56 feet of crossbedded lower Silurian limestone, blue, weathering brown, large crinoid, fossils few, chiefly *Leptæna bifurcata*, *Lynx formosa* and *Dryoceras*, at base, at Swan bluff are plenty of *Trachygnathus*.

At Tennessee Mines between

Black shale rests on Lower Silurian cross bedded.

Two miles N of Sevier county line, on west side of Swan creek, on little stream bed at foot of hill. Two layers on top of hill going northward. Lower Devonian black shale.

Several chert layers, the intermediate 2 1/2 ft. all rotted away. Chert?

Lower Silurian crossbedded.

2 1/2 feet of chert layers with plants below.

Helicotoma, *Leptæna bifurcata*, *Dryoceras*. The Helicotoma is not in place in the layer.

Part of a thin, next page.

Black shale

preserving, although distinct in the same class was not worth.

An *Illæonema* daytonensis, *Leptæna bifurcata*.

2 1/2 ft. chert in beds. 3 inches *Leptæna bifurcata*.

6 ft 8 in chert nodules in layers.

Helicotoma common

5 ft up to layer *Leptæna bifurcata* above.

12 ft below this. All the related *Leptæna bifurcata*.

About 1 mile north of Sevier County line, on east side of Swan creek, Anderson Morris. lives along road directly north of this locality about 200 yds.

W. D. Aydlott's property. Bluff 11 feet high. Head and top of *Leptæna bifurcata* in top of mass, looking like *Leptæna bifurcata* but some part of which are very dense. Mr. Chert. In this respect it resembles closely the *Leptæna bifurcata* of last section. 4 miles south where we found it to go to the Tennessee Mines. Lower Devonian layer of black shale directly above the *Leptæna bifurcata*.

37 1/2 ft of lower Silurian up to their south on W side of creek. 2 hours off to Tennessee Mines. On creek where road from to Tennessee Mines.

Thompson's Hill 7 1/2 ft above Rock Rock side of creek. *Leptæna bifurcata*.

28) Wp hollow, at Sam Turner's house,
 a short distance N of Mrs. Isabella
 Miss' house. 1 mile N. of Dean's
 Switch.

Black slate.

6 in. sandy beds, base of black slate
 8 ft Clinton *irradiata* in layers.

Lower Silurian dense

sandy blue with large shells
Liforata & *Strophomena alternata*.

Black slate 5 1/2 ft above R.R. cut.

M. varians Merriam's Switch.
 See

J. D. Dean going to point E of
 hollow above house, 1/2 mile N
 of Dean's Switch.

8 in. *irradiata* layers

2 ft Black slate, not fossiliferous.

2 1/2 ft. *Platystrophia*

Sandy layers.

Lower Silurian.

Call along this hollow the Lower
 Silurian - cross bedded and is
 named for the *Strophomena*.

Monday D S L

Tuesday B - S L

Wednesday B - S L

Thursday B D S L

Friday B - S L

Saturday B

Montgomery M.

Swan Creek

Dean's, rain.

Top of land

Just beneath Waverly bluff.
 About 225 feet N of spring north of
 Mrs. Robert C. Orman's house with
 a point where Centerville road enters
 Swan creek opposite Blue Buck
 creek on north. On W. side of road.

Black slate

9 1/2 ft. Clinton, upper part with
Chonetes & *Strophomena* white.

Cross bedded Lower Silurian
 bluish with *Stroph.* & *Chonetes*.

A short distance above junction of ^{Blue Buck} + ^{Ugly} creeks
 a short distance up stream above
 Sam Wherry's house on Ugly Brook
 creek, about 2 miles from Swan Creek.

Black shale on

Lower Silurian with *Orthis bifur-*
ta, *A. occidentalis* + *Strophomena*

Wp branch above school house. See 10
 entering N. side of Blue Buck, above
 school house.

Black slate.

5 ft *irradiata*

Lower Silurian.

30, at mouth of Tom Bark Hollow,
Clinton Favosites favosus
very common.

Favosites viayensis Halysites
common.

At least 10 feet of Clinton above
not seen. Also top not seen,
but apparently no Laurel beds.

Black shale.

2 ft white limestone

10 ft very well exposed. Osgood?

15 ft. solid limestone white. Clady
Clinton

Base of Clinton not seen.

at spring near Tom Bark Hollow

at spring near Terrell's Hollow,
Terrell is correct.

Halysites, Favosites favosus &
Favosites viayensis

About half way to big spring in black
shale

Black shale.

18 ft Clinton.

Lower Clinton

at Fagg, 1/2 mile SW of Folly's Bend P.O.

1/2 mile W. of river.

6 1/2 ft Black shale

1/2 ft. sandstone

Favosites favosus

5 ft. Clinton, solid white, Double the hardness

As seen in Terrell's Hollow, Laurel beds

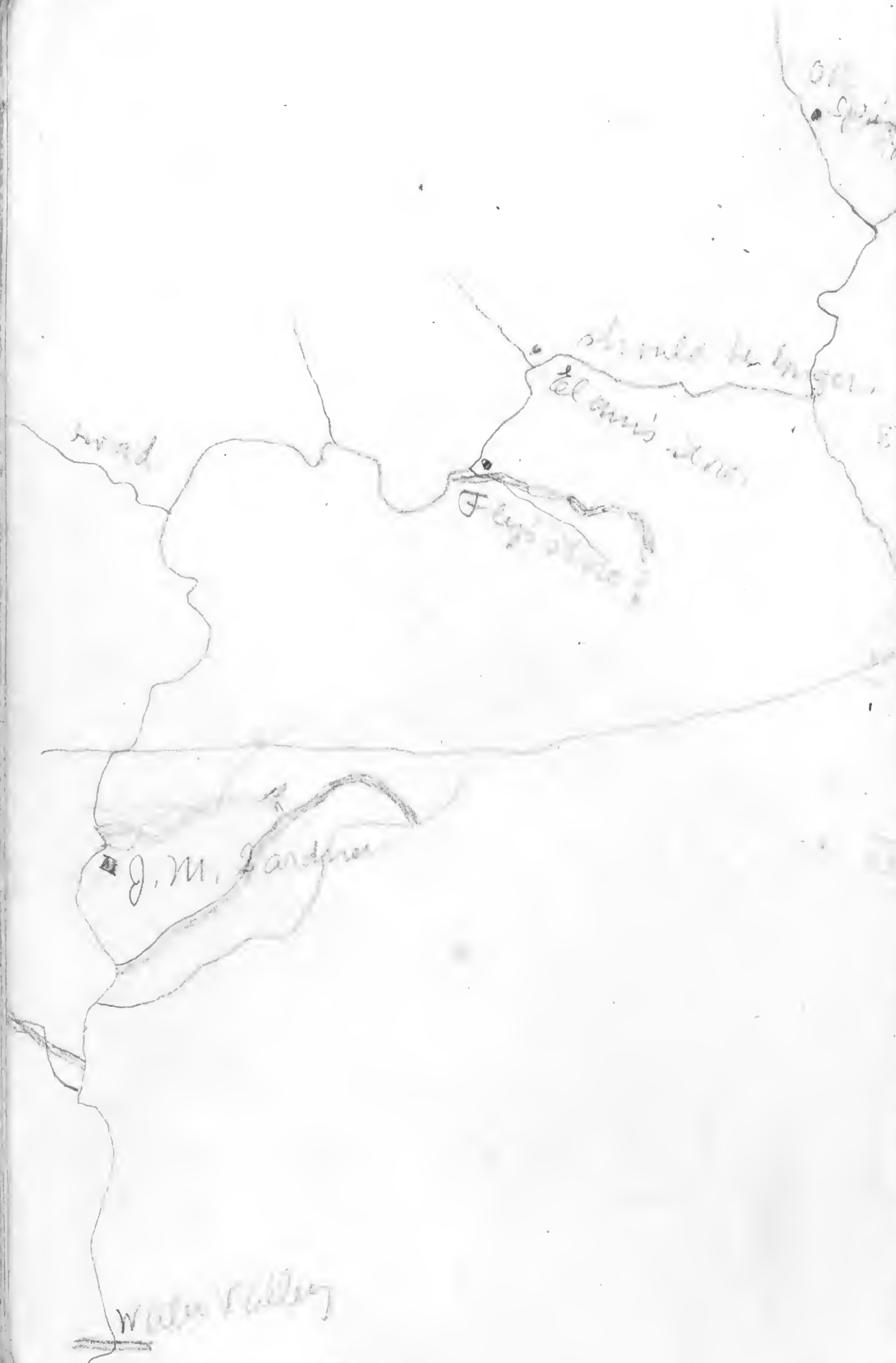
has Laurel.

at Goodrich, W. spring down (31)
The same.

Clinton at least 16 ft thick.
Plenty of chert, especially at top.

In this Clinton or Lower Carboniferous
lowest no fossils were seen and
the rock was not cracked open. It
looked very much like Clinton, but
the level is 550 and at 569 at sea-
level the limestone is Mountain
limestone of plafford.

Goodrich
Palatka



(14) E. of Millgate E of Middletown.
Sawed limestone.

- 4 ft. clayey rock.
- 5 1/2 ft. Bedford limestone.
- 22 ft. clayey Bedford carbonate.
- 1 ft. red siliceous Clinton.
- 2 ft. gas exposed layers.

(13) On road to Beckham St. leading N. from

- 4 1/4 ft. Clinton red siliceous. with additional pebbles
- 2 ft. not exposed. Probably soft L.S. beds.
- 4 ft. Gas. bed Murckian. Ambrony du aradi.
Madison beds, most decayed.

(21) Where road branches E. of road to Tucker St.
stone, red siliceous only 3 ft. exposed.

- 4 ft. clay + clayey rock.
- 4 1/4 ft. stone Bedford reddish siliceous.
Clayey Bedford, full thickness not seen.

(22) Magnesian shale Clinton reddish
crinoidal. with plates of

- Strophomena in the upper part.
- otherwise in a lower part. Halysites
- catenulata separate common.
- Some of the rock may be the Madison.
- Clinton. Two or three feet. Bedford
- Thickness 12-15 inches.

Gas exposed layers with layers of thin
large fossil fragments.

On west side of new road from Middle
town to Tucker Station. A short dis-
tance N. of entrance to the Beckham-
baker farm. More Clinton - S also seen.

34) (23) Clinton 12 in. East bed 12 in.
 (24) At road angle N of Newberkies.
 Clinton 12 in. L.S. good bed below

(25) H. P. Dicker house - chert of
 20' above L.S. A small distance chert spring
 chert
 chert, not measured.
 5 ft. } beyond,
 24 ft. }
 12 in. Clinton to west 12 in.
 Cambrian layers

(26) Cedar Spring Church, on road
 from Jefferson to South Mountain
 chert

? limestone
 2 1/2 ft. white clay
 4 1/2 ft. beyond in west. No chert
 17 ft. beyond clay purple below
 3 ft. basal beyond
 1 3/4 transverse red. siltstone (Clinton)
 1 1/2 ft. Clinton (18 in) varying from red to
 salmon color. All crinoidal, Halysites
 Favosites forams. Pachydictya broad
 form with small nodules. Other forams

5 in. L.S. L.S.
 34 ft. { 24 ft. under Madison
 { 10 ft. after Madison
 5 in. L.S. with 4 fossils. Favosites, Halysites
 4 ft. clay with rather soft
 14 ft. chert fossiliferous clays, merging
 into limestone below

(27) At Chapel Lane N of Cedar Spring (35)
 Church. Section same as last

(28) First E road S. of Fairmount P.O.
 18-24 in of Clinton varying from reddish
 to salmon brown
 Fall. Same section exposed as at
 Cedar Spring Church, including
 Madison basal Laurel.

(29) Hawk Spring. Barren road N of
 Floyd Park
 Clinton with Plectambonites verrucosus,
 Rhynchonella pumila typical. Artus
 elegans. Simple merula flat but
 raised at back. Other fossils few
 the forams.

? Laurel basal part,
 2 3/8 ft. clay.
 5 1/2 ft. beyond limestone
 21 ft. beyond clay, 8 in. chert layers at top.
 8 in. basal beyond, no chert, red-silt. base
 2 1/2 ft. Clinton, salmon brown, coarse
 grained & rough irregular bedded.
 No chert.
 Fine Madison section. No
 chert exposed but at top. No chert
 in Madison.
 The upper 4 inches of Clinton has
 white chert in it. This may
 be cause the chert layers small
 words

(30) Along W. side of pike 1 1/2 mile south of the gate N of Mrs. Mary E. Clark
 Clinton sharply defined from Madison
 some coarse + irregular bedded, salmon brown, 21 inches. Above this are 3-4 inches of reddish, siliceous rock. Two feet of basal Oregon clay are exposed. All exposed as at base of exposure in the clay basal layer.
 This is about 1/2 mile N. of Mount Washington on Boardman Pike

(31) SW side of Mt. Washington, along Boardman pike 1 mile S of Mrs. Clark
 As good as most are
 20ft Oregon clay sample taken in drilled tunnel
 44 in. basal Oregon
 24 in. massive rock. Some too fine to see red when wet
 22-40 in. Clinton salmon brown typical in grain + color. Halysites
 1/4 inch - thin as the 2 upper layers
 3 inches to 1/2 inch
 44 inches of very typical salmon brown Clinton as seen with exposure along the pike several hundred feet outwards. The Madison is also well seen. It is in bedded as at Madison

44 in. Clinton salmon brown
 31 ft. typical Madison
 2 ft. sandy rock with very few fossils
 5 ft. clay with few fossils
 4 in. limestone layer full of fossils
 LS clay full of fossils.

In Clinton
 Slope more flat valley with rounded rock. Other Halysites, R. not bedded, irregular, sandy patches. Rhynchonella fossils.
 This section closely resembles Cedar Springs Church section. Large Cyathophylloids as at Dayton



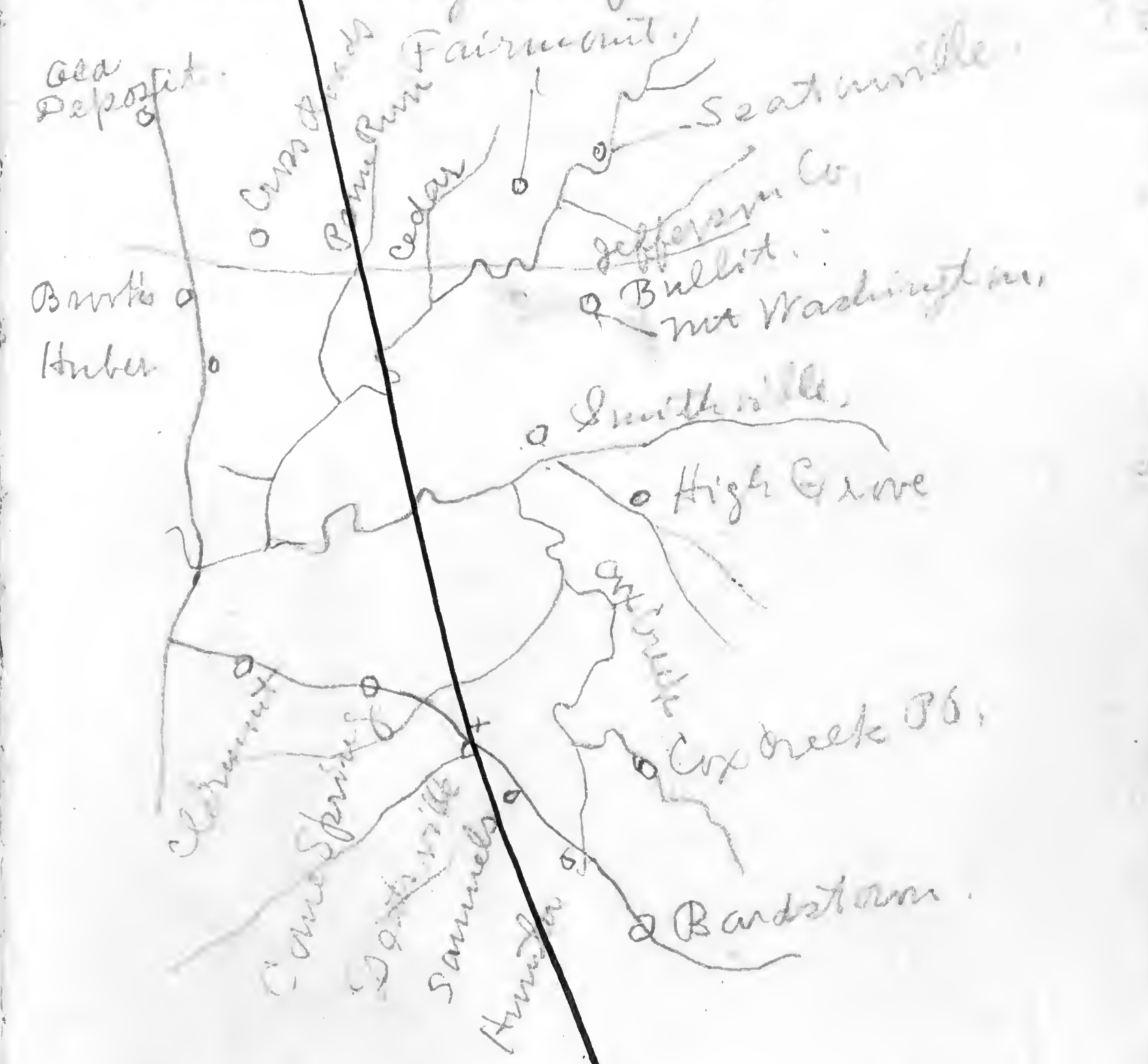
44) Just before reaching school and church at 14 mile post from Bardston, Colerain is seen in the road side. Further down the hill is a white Niagara looking rock with the layers horizontal and with little dip. It is a Silurian.

45) An eighth of a mile South of this just before reaching house of Steve Boyd's house, Colerain is very common in the road. This is the highest point since passing Salt River. From this point the pike goes down hill as far as High Grove, along

46) At Sam Wells' house, at road angle, the Colerain is again seen again. After this for a considerable distance the road keeps at about the same elevation.

47) Mrs. Sec. Abell house, 8 1/2 miles from Bardston. Here there is thin bedded lower Silurian with chert. (Crest of some lower Silurian layers) - better dip than L. S. fossils. It is discovered that this was the very first contact between the Silurian and the L. S. at 8 mi. post, at a considerably higher level. There is good evidence of Silurian contact with the L. S. Then road goes down to the creek and up Cox Creek etc. on the north

If any Clinton occurs south of Mt. Washington it is believed that it does not occur until we reach 3 miles N of Bardston. No exposures occur N of Bardston along the pike.



43) Clermont, E of station. Theodore Habich
Digger of Mill, Bullitt Co. Chapeau Station
45 Total thickness at 33 is Peril. Walden shale. *Atrypa reticularis* 8 1/2 ft

Saural limestone 20 ft. 5 in. exposed. Upper
6 in. clay shale. Total thickness of

42) Saural is 35 feet, measured at Hobbs
station. At Hobbs station base of
Walden is 5 ft above RR, at Clermont
station base of Walden is 12 ft above
RR. *Atrypa* layers at both stations.

Blue clay layer 15 in.
As good as most one, 2 ft exposed

41) At bridge 4, E of Hobbs the bedding of Wal-
den is at track level

40) At bridge 5, S of Hobbs the top of Walden
is 4 feet below RR. 16 feet of Saural
stone, porous dolomitic stone, are
exposed just before reaching the bridge.
East of bridge the top of Saural is vertical.
Strophomena with abundant *pl. st.* &
flat *st.* *Strophomena* with *pl. st.* *Strophomena*
forms. In wet places *Strophomena* *pl. st.* *Strophomena*
Walden about on RR level. at point
E of bridge Blake shale on Corniferous
(2 ft Corniferous) on Saural. *Strophomena*!

39 cont.

Blake shale, far as Come Springs
Station. at Station Corniferous is 5
below R.R. level.

39) Walden line creek James Roney's house

23 1/2 ft Co. good clay, purple below, in a low
gully, above creek from house, and
my creek from S.E.

Christ...
Cottles flatish to common, 6 ft 8 in below
Co. good clay is seen as blue rock.
Cottles flatish to common 7 ft 2 in below
Co. good clay is rounded blue rock,
- 1/2 below Co. good clay is most chert
with *Favosites* *laevissima* & *Cottles* flatish
to *Strophomena* *pl. st.* *Strophomena* flat.

When the road leaves the creek & turns
west to Come Springs, the strata
Christ is 8-9 in thick.
Below is Walden. Saural fossils.

(38) Cane Springs Sta., 10 full miles to Shepherdsville. SE of it is $\frac{1}{8}$ mile

- clay layer.
- 5 1/2 Ozgood limestone,
- 5 Indurated clay calcareous layers.
- 17 ft Ozgood clay, brown above, blue middle purple below 17 ft.
- 2 ft basal Ozgood lime.
- 5 1/4 ft Clinton with shell layers
- 6 in. Gr. mudstone.

(39c) E of Cane Springs station. The Conif. rests on calc. sh., no more than 5 ft of limestone.

(40cut) At bridge 5, about 1 mi. N. of Cane Springs, the Conif. rests on 11 1/2 feet of S. m. sh. as already noted.

(37) One and a half miles from Shepherdsville on road to Cedar Grove Church, the Black shale rests on Crinoidal Conif. crin. Whether directly or not is unknown since the Conif. contact was not seen. Below is thick exposure of S. m. sh. Pentamerus fossils seen in some loose blocks beside the road.

(36) About 3 miles from Shepherdsville, along the creek below Sick's Station, the top of the Laurel, with 3 inches of volcanic rock (very good) at top is seen in creek bed. W. m. sh. rises above creek level going down creek but so slowly that half a mile below the spring where road turns off towards right (E) to go along the ridge (good ridge rock) the base of Laurel is not yet seen. Weller's Run is near the Bull Run (Mr. Park's place).

(35) At Ed Miller's house, about 1 mile from Sick's Station, the Conif. is a very white rock with no fossils (about 3 or 4 feet thick) 20 feet above the road. No fossils seen. Conif. rests on sh. identified by the rock.

(34) At Cedar Creek, 1/2 miles beyond Ed Miller's house, a base of Ozgood clay, beautifully banded in the upper part & greenish brown about 18' or 20' thick, not counting underlain by base.

(34 cont)

Clinton, 6 feet thick, probably not the total section. Chert 2 feet from top. Clay indurated above. Thickness numerous. Exposed for 1/3 mile in creek bed, along road.

(33)

At W.R. Greenwell's house, about 1/4 miles from Greenwell's Ford. White clay at top of gravel 2-3 inches thick. The exposed limestone not well exposed.

34 ft to top of sand.

6 ft or more rock.

1/2 feet indurated clay rock.

{ 13-15 ft not exposed
after beyond clay.

2 ft. with limestone with pieces of chert in lower part. Clinton southward.

4 ft granular grayish Clinton, chiefly blue, but in portion 6 in from top is salmon tinged in places. *Orthis bifurcata* + *Orthis planorbis* at all levels. 4 feet. *H. alpestris*.

End of exposure at Jess Ruby's house.

(32)

Section 1/4 mi. beyond W.R. Greenwell's house. When road goes down into deep valley, then up again. About 200 feet E of house are Siles' house. Lutes.

Sand.

2 ft clayey

3 1/2 ft exposed limestone.

22 ft beyond clay. purple at base.

2 1/2 ft base beyond, brown clay, rock.

10 in hard blue. Much where not weathered. Pieces of chert at top.

15 in thin bedded, both rock, with

20 inches granular Clinton blue. Madison

29 ft. Madison

5 ft rather soft clayey rock.

Thin fossiliferous layer in thin clayey rock.

About 1/2 mile from the north fork a few hundred feet N of are Siles' house Clinton's salmon colored.

Clinton, salmon colored. 20 in.

Orthis planorbis

Madison

Columnaria layer in 55 feet below

Clinton

Coniferous

(20) many fossil corals, *Morgania*.
 26 ft. Limestone with plants of chert, and
 men call it a good rock.
 into clay in some places? Quarry
 some by quarry men. This may turn
 R 4 3/4 ft. of a rock of type, often called a prop.
 22 ft. good quality limestone. There
 is also chert in these lower layers
 but somewhat less abundant.

Orphan Single quarry, N. end of Bear
 gram creek, E. of Louisville.

(20) Orphan Single & son

just above R is what is called the
 7 ft. ledge. It has some *Pentamer*
 fossils in it. It is a *Sciurus*
B. mass.
 No white layer beneath the
 Blue ledge R.

(19) At Mike Boy's quarry, west of
 quarry is a little quarry.
 Rock with the *Stromboceras*
 2 comes as at Charleston.
 Showing that it is Louisville
 bed.

Devonian Sp. of ... Dev!

(18?)
 5 ft. small corals } *Crura* *truncata*
 1/2 ft. corals to west } *truncata* *truncata*
 4 ft. *Morgania* *Helyxites*.
 R 4 1/2 ft. *Strophomena* Blue ledge, hard, blue
 with white to soft clay here.
 13 ft. good limestone, no white layer at top.

(18) at Quarry behind the Smith farm,
 Devonian beds in lower chert here
 as at Single quarry. Apparent
 to be only where weathered.

(17) At Crossing private road
 over Beargrass creek, at corner
 town on Bullitt estate, I
 Black shale w/ *Conif.* in
 creek bed.

(16) Black shale on Coniferous a
 short distance NW of
 on road to Lyndon Station.

(15) On road Middleton to Anderson
 to quarry west of road
 that section shows gas, a good
 layer near top of quarry.

7) Yellowstone on Taylor Fork Pike
Went to timberline SE in grass
at crossing of creek. 35 feet of
N. yellow sand.
Blue ledge layer not seen.

No exposures of value from
7 to 8 miles S along south
ern branch of Bear River creek

at Mrs. Annie James, 1 mile N of
Wicca on Wicca fork.
The N. is a direct, below the
Crown to our contact. No fossils.
Pentamer. 2 species. 3 or 4 bryozoa?
Stellate flat coral.

- Composita
- 8 ft. soft sandy rock
- 9 ft. solid white ls
- 5 1/2 ft. fossiliferous
- 5 ft. white limestone 7 ft. ledge of Louisville
= rounded limestone
- 2 ft. blue ledge
- 17 ft. good white limestone, mostly thin
at bottom is 1/2 inch bedded? good fossils
- 10 ft. sandy limestone, 1/2 inch bedded
- 5 ft. irregular clay
- 10 ft. blue clay
- 32 ft. about north - mostly broken
- 13 ft. about very abundant to west end
1 ft. top of good limestone.

at Buchanan Landing

50)

The Souville Limestone,
Hamilton, Pal. N.Y.
Upper Helderberg. Vol. 113.
Niagara, C. B. Jones, July 1879, Vol.

Lower Helderberg,

See

Strophomena tenuis
Wichsenia
Rhynchonella
Murchisonia

J. A. Price, 24th Rep. Ind., 1900.

51

82) It is quite probable that over a large part of the territory lying east and south east of Breunburg, included in the shale zone, the shale, if ever deposited, has been removed.

84) Souville bed has called the Hartsville bed.

"realizing the fact, however, that the formation is not very prominent in the immediate vicinity of Hartsville.

89) Dev. rest in Section 5 of Breunburg.

97) Small unconformity 1 1/2 mile NE of Millford, along Clifty creek, described and figured as though in Section rock. Should be between Dev. & Souville. T. Jones, 1879.

101) 3 feet of Hartsville bed at Millford.

121) Small unconformity 1/2 mile NE of Hartsville, described by later geologists. Dev. & Souville. Probably should be between Dev. and Souville.

128) Sketch of unconformity in Avery quarry, between Dev. & Souville, 6 ft. Hartsville bed.

133) West bank of the River at 1/2 mile above Lane. Unconformity Dev. Souville, 6 ft.

E. Walnut St. car to Dr. Alex. W. Nettelroth
Dr. Alex. Nettelroth.

A.C. Benedict. 2025 Highland Place.
N. Indianapolis car. 2 block from Union
Dr. Knapp, coll. sold to Prof. W.W. Borden
at Borden, 21 mi. on Monon line.
Coll. arranged now by Prof. Harry Burke

J. T. Barnes. Princ. 10th Ward Sch.
Crescent Hill. Louisville.

* Geo. R. Greene. Sand of Market Place.
New Albany

* Orlando Hobbs. Dept. Treasurer to Jan 1, Brachyopod
Would be willing to collect with me, Boyers
* Prof. A.C. Lawson. Supt. schools, Coler. Not good.
Corner, Chestnut + Merchants. Jefferson

Dr. Alex. W. Nettelroth. Louisville.
Baxter Ave. + Payne, b. 2108 Von Borries av.
Herman H. Nettelroth, Lawyer, Young.
216 - 5th. Does not know fossils.
Dr. John Osterlomy. Architect
1045 - 4th St. Edw. Cafe on St. Catherine
* W.G. McCoy. Prin. Normal school.
1454 - 2nd St. - Old. Knows very little.
* Major W.G. Davis. Sold coll. to Hayward.
1542 - 2nd St.
Dr. S. S. Clark?

Amplexis shumardi
Helicoides indistinctus
Helicoides subtrilobatus
Thecia major.
Alveolites indosus Miller
Thecia minor.
Cystodonta major
Cystodonta reticulata

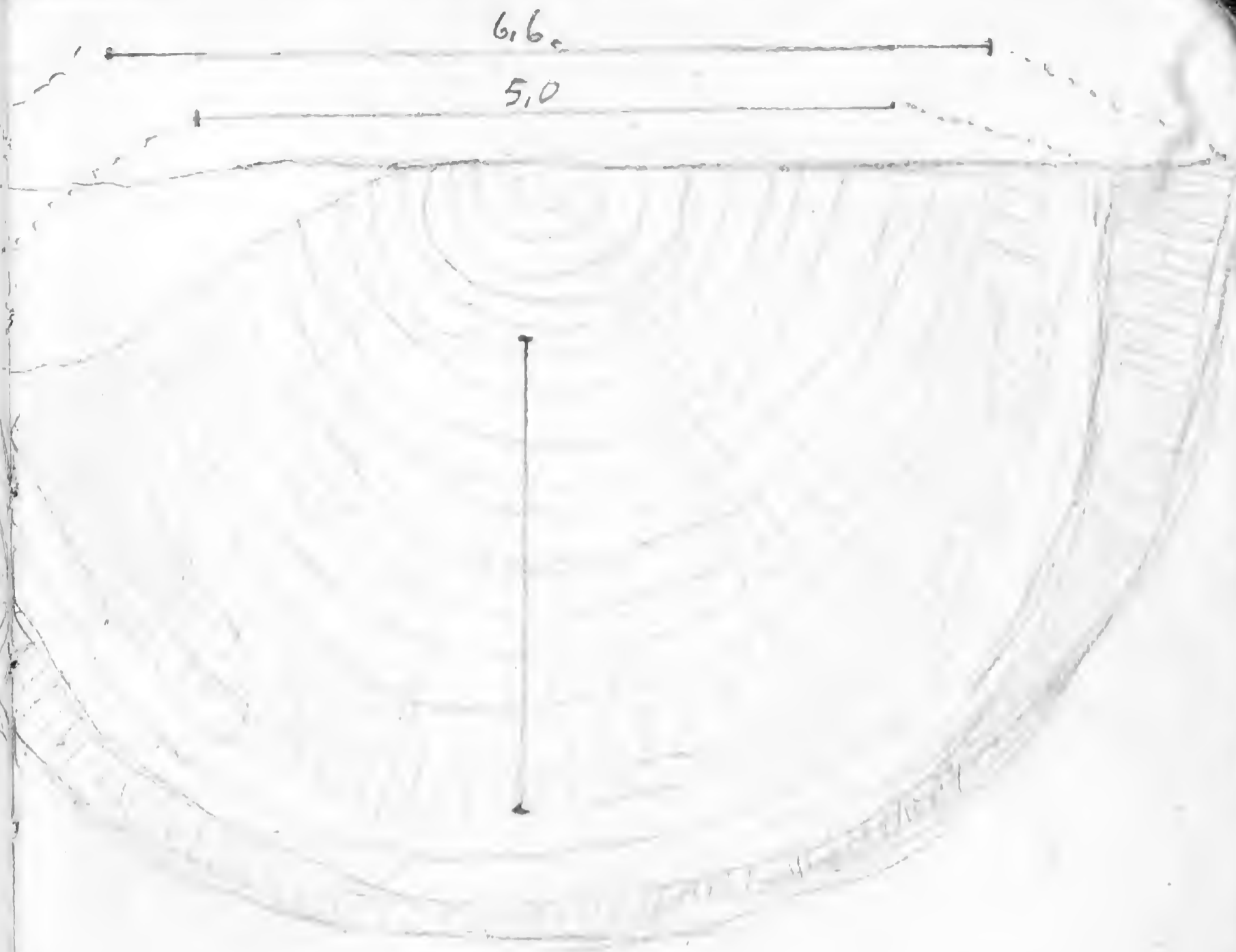
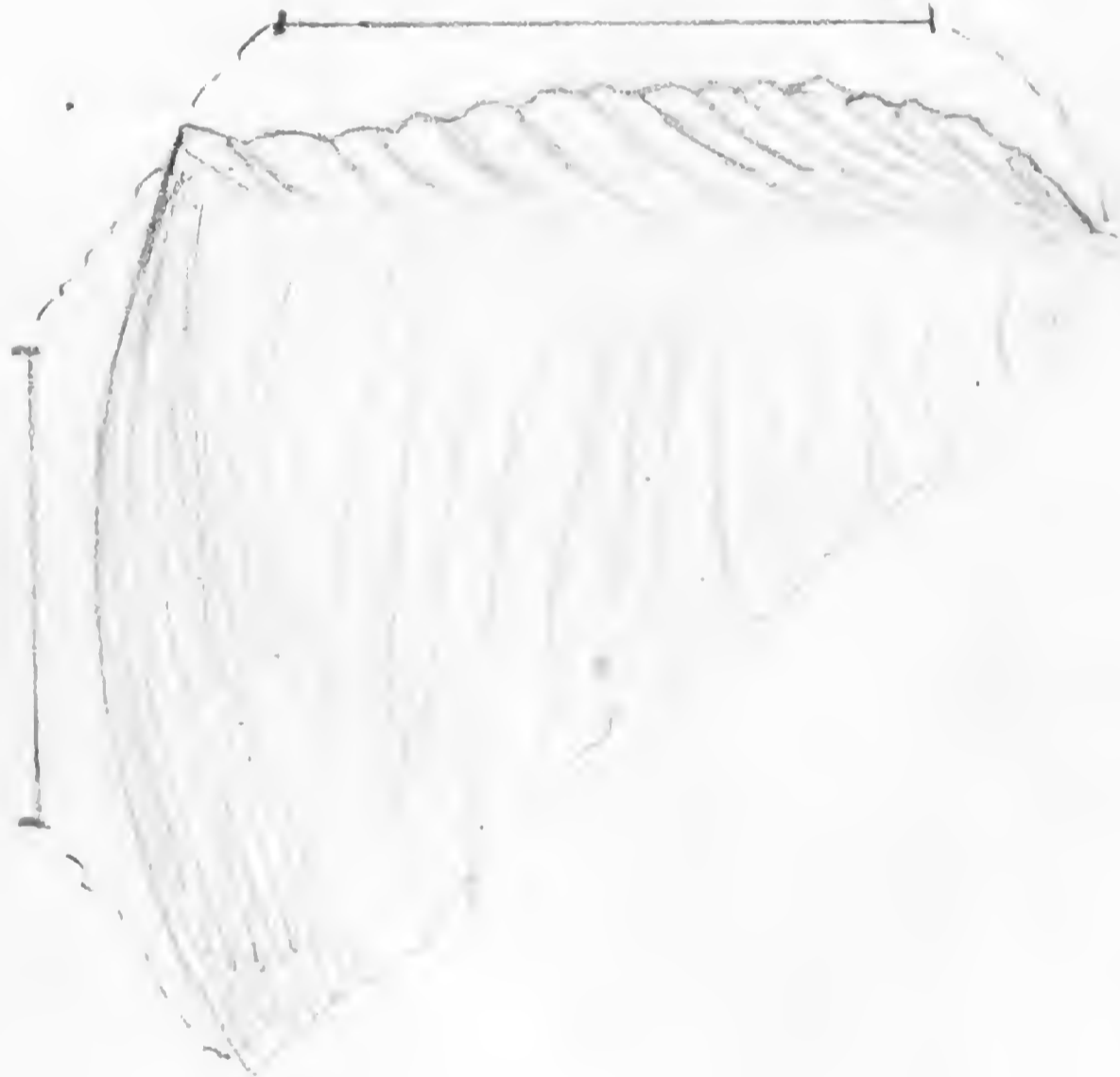
Aedonina subtrilobata
subtrilobata
Helicoides megastoma
Thecia
Cystodonta

Geo. Asherman. 44 Arcade Louisville.
1875-1880. Davis.

Sarge *Siphaena rhomboidalis*
Big Creek. Jefferson Co. J. F. H.

Unusually
large.

As good beds

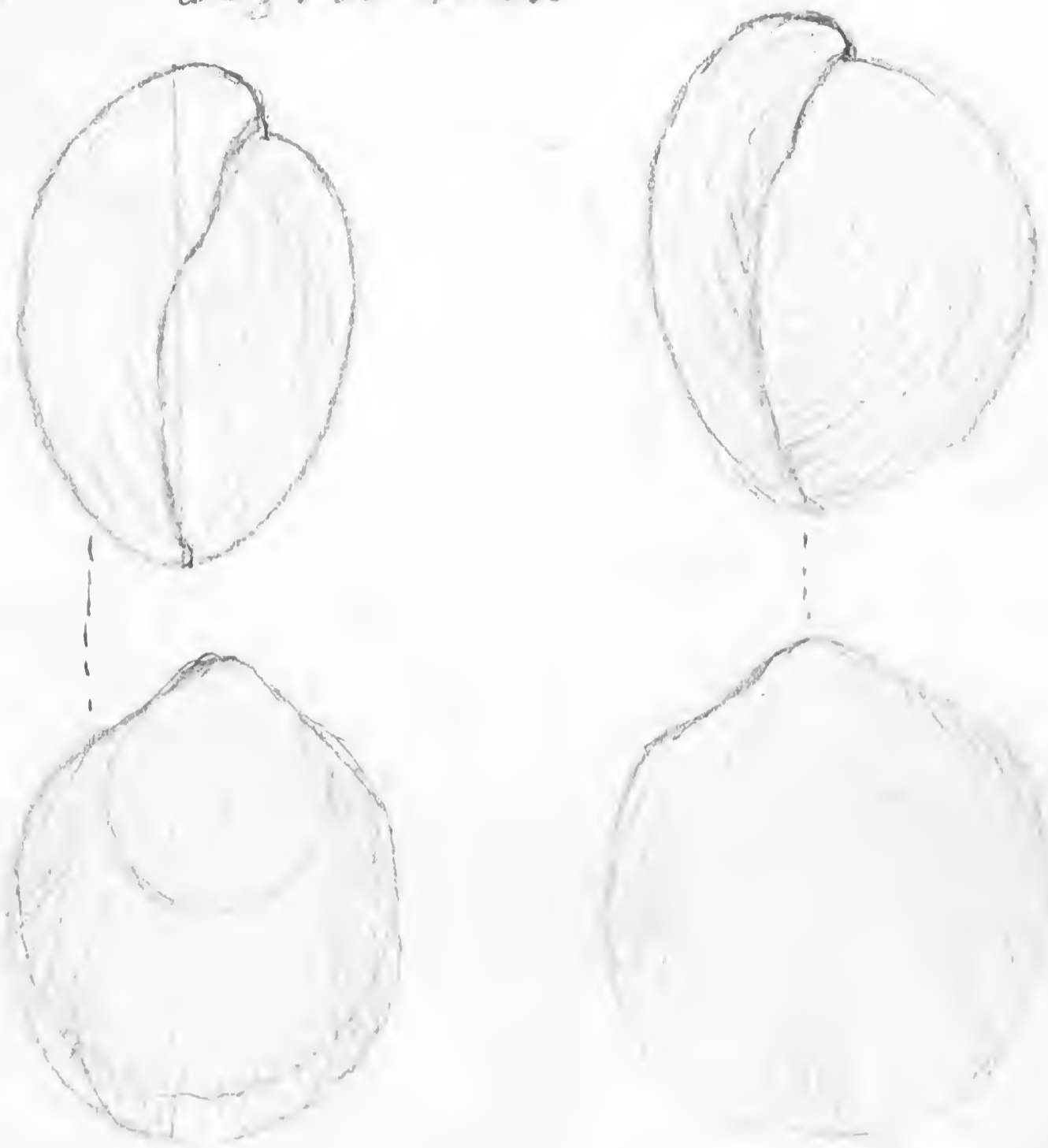


Total width = 6.6 cm.
Width of flat part of valve = 5.0 cm
Length of flat part of valve = 3.4 cm.
Length of bent part of valve = 2.4



Natural size.

Athyra reticularis. Big creek.
Munsauddy Ledge. Jefferson Co. J. F. H. *
Osgood beds.

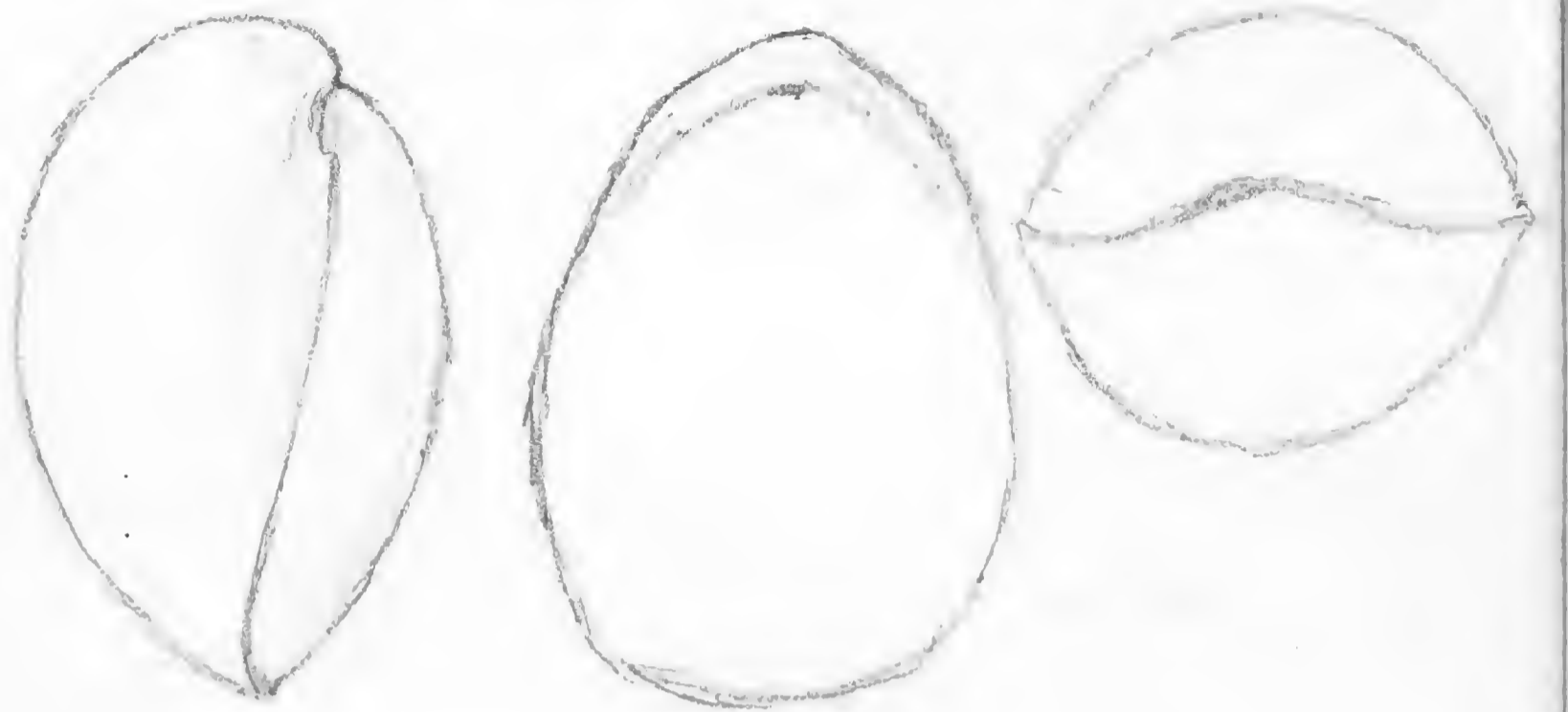


Concentric striae on all like Newson
form = not very wide. In fact even nar-
rower than in Newson form, = 1/6 mm or less.

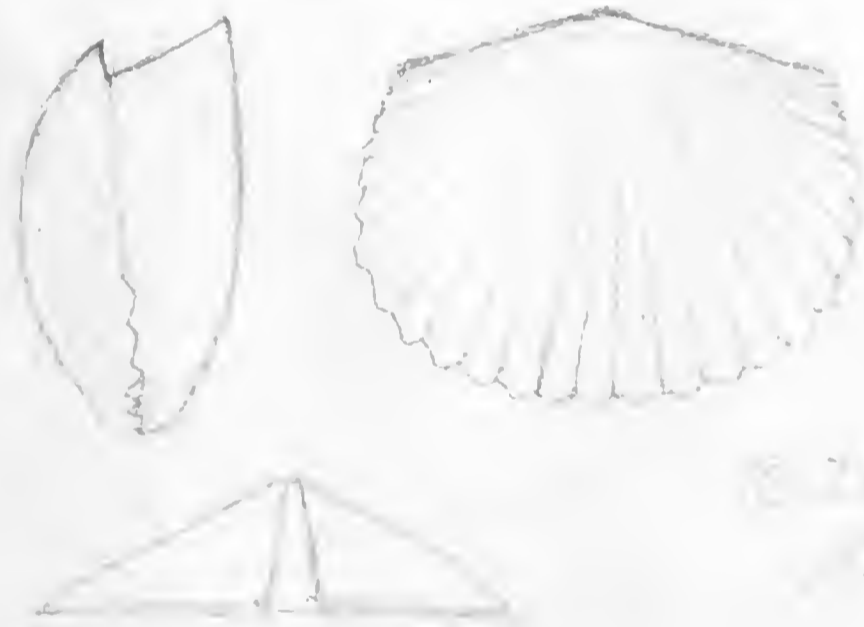
x *Calymene nasuta*, typical form. *
x *Cyrtia expansa*? D very small
specimen. Area common apparently.
Big creek. Osgood beds.
J. F. H. *

x *Plectambonites* *cutaneus* *cutis* not to be deter-
mined from *a. striatulus*, but more
thin line on Big creek. Osgood beds.
Jeff. Co. J. F. H.

White plectambonites cylindricus-subquadratus.
More like *subquadratus*
but with numerous concentric an argon.



Faintest specimens so far seen west
of anti line.
Big creek. Jefferson Co. J. F. H. *
Osgood.



286 beds on [unclear]



Plectambonites
super specimen.
Osgood beds.
Big creek
J. F. H. *

Jefferson Co



Plectambonites
transversalis.
2nd specimen.
Big creek Osgood
Jefferson Co.
J. F. H.



Sp. for
Macanema,
Big Creek
Jefferson Co.
J. F. H. #
Osgood beds,

22. *Tridacna*
form for 26-28



Sp. for
Macanema,
Big Creek,
Jefferson Co.,
J. F. H. #
Osgood beds.

A shell with a central fold from the same
form. Same ^{type} shell as the one above.

Sp. for *radiata* occurs in the same strata
Chickadee at the same time. J. F. H. #

Sp. for on the middle of the same strata
and resembles the ridge of *Sp. radiata*. Is
this the central form of *radiata*?

Big Creek, Jefferson Co. J. F. H. # Osgood
beds.

Orthoceras *americanum*, Big Creek Jefferson Co.
Osgood beds. J. F. H. #.

Most of the specimens are distinctly unimulch
and have two distinct longitudinal
ridges corresponding to the cords of the trans-
verse striae. About 13-15 longitudinal striae
ridges. The unimulch shells are a little more
distorted than in most specimens. Several
of the above type of shells have been found at
Macanema in the same strata. However,
most are larger specimens from Big Creek
as in the following. *radiata* type by having
only two unimulch and almost three?
A very variable shell.

Platystrophia *Niagarensis*.

One specimen like Fig. 2-4, 5-7. Plate 29
as far as folds in volutions are concerned.
One has longitudinal and striae like Figs
2-4. Both have mouth of *Platystrophia*
as far as I can judge.

Big Creek Osgood beds. J. F. H. #

Ceratomya *subulata*, Big Creek Osgood beds.
J. F. H. # One specimen with a distinct
depressed groove at centre.
The upper part of the specimen is uncertain. J. F. H. #
Osgood beds. Big Creek.

Illinois near ... (Big Creek)

List of Illinois



Orthoceras ...
 Big Creek
 Jefferson Co. Tenn. ...
 G.F.H.

- Foster & Wright's ... 1
- Newsome ...
- Same Newsome's ...
- ...
- ... section at ... 2
- Sam Walker & map ... 3
- ... mi. W. of Newsome ...
- ... mi. S. of Newsome ...
- ... N. of Harpitt later, New. + F.A. ...
- Sam Walker ...
- Belknap ...
- ... mi. W. of ... 4
- Ashland City ... fossils Waldron ... 5
- ... several hundred ft NE ... 7
- Clinton fossils ...
- John Snell ... 8
- ... several hundred ft NE ...
- W. of John Snell ... 9
- John Scott ...
- a little farther west ...
- Baker's ... 10
- ... Sam Fleming ... 11
- C.F. Hodges ...
- Frank ...
- S. ... 13, 12
- W. of ... W. of ... 14
- W. M. Foreland W. of ...
- Franklin 2 mi. west ... 15
- Road to ...
- William Pennitt Sperry ...
- Anne ...
- W. M. Foreland ... 16

- Fernald Springs Hills brk N. of school house 2 miles S with 16
- Barley Ck 2 1/2 mi E of B. rd. 17
- Sulphur Spring 1 mi W of " "
- Carol Litter 18
- Carol Litter
- Tom Fox
- M. F. Parker Phys store
- J. M. Gardner 19
- M. F. Parker
- Tom Fox 20
- J. V. Simpson at ball field 21
- Jim Linton Jr. C
- School house Ca 22
- Jim Linton Sr. C
- Centerville Road to R.R. station 23
- Section along R.R.
- Clinton N. of bridge N.E. of Centerville 24
- Mt. Mtg. near Kings River
- Mt. Mtg. on top Mill 25
- 1/2 mi S of Swan Bluff 26
- Tennessee Mines
- Tom Duncan
- Anderson Morris 27
- W. D. Boyd Lott
- Tennessee Mines
- Sam Owens 1 mi N of Deans 28
- J. D. Deans quarry
- Mrs. Rebecca C. Orman 29
- Sam H. Berry Blue Back + High
- Brandt at school house Blue Back
- Tom Bank Hollow - Spring 30
- Wheel Hollow - Fogg.

Orthoceras,
Big Creek, Jefferson Co.
Beyond here
J. F. H. K.
overlapping
Cannelled.



Apparently casts
of water made
by epithelial
layer of some
parasitic
organisms



Structure of shell

Large to Fossil
Big Creek of 1840
Jefferson Co. J. F. H. K.
Legend for
at present as fossils are
Coral, Big Creek
Jefferson Co. J. F. H. K.
should be compared with
other all fossiliferous Cannelled
related to center.

14.) W. M. Forelands, 1/2 mi. W. of Tank,
Clinton

10 ft. not exposed.

9 ft. rounded, a little like Leipers.
Plenty fossils below. Brachiopods

24.) William Penn, 3/4 mi. W. of Hillston.
Black shale

30 ft. clayey

Low sil. limestone with fossils.

25.) Wm. Penn, same as above.

Orthis subquadrata

Strophomena, characteristic

5 ft. Leipers Tank, rounded, coarse
reddish, fossiliferous

Large Orthis, by and by fossils below

20.) Spring S. of Fennels,
Leipers black bed.

18.) Tom Fox

Fossils at Clarks, etc. p. 18.

J. M. Gardner, p. 19.

Bookers

5 ft. Leipers

a School house of Fennels.

5 ft. clay

fossils.

b.

p. 22



Kentucky.

1	26 - 34
2	27 - 35
3	28 - 35
4	29 - 35
5	30 - 36
6	31 - 36 37
7	32 - 45
8	33 - 44
9	34 - 43 44
10	35 - 43
11	36 - 43
12	37 - 43
13 - 33	38 - 42
14 - 33	39 - 41 42
15 - 47	40 - 40 42
16 - 47	41 - 40
17 - 47	42 - 40
18 - 47	43 - 40
19 - 46	44 - 38
20 - 46	45 - 38
21 - 33	46 - 38
22 - 33	47 - 38 39
23 - 34	48
24 - 34	49
25 - 34	50

24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

