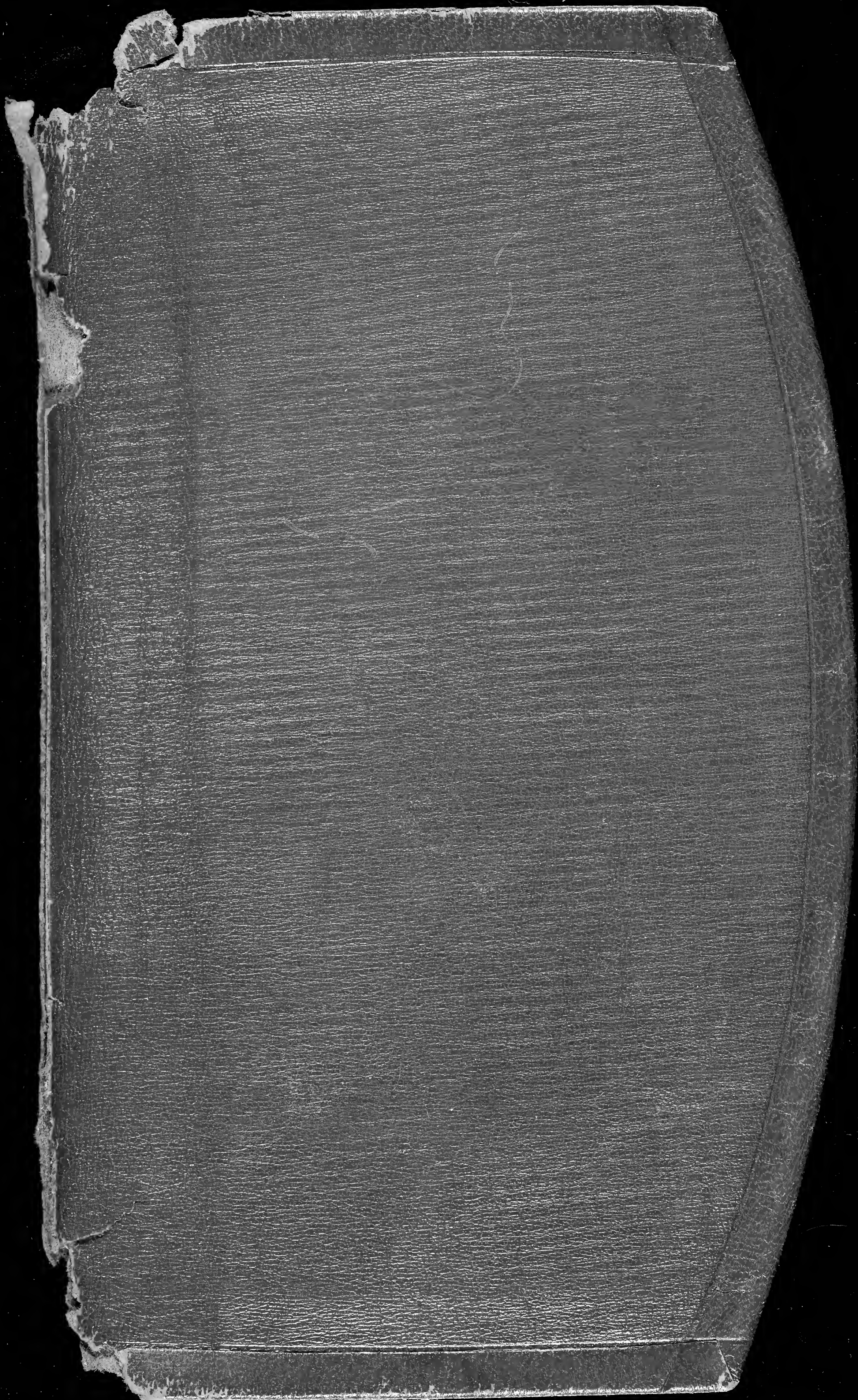
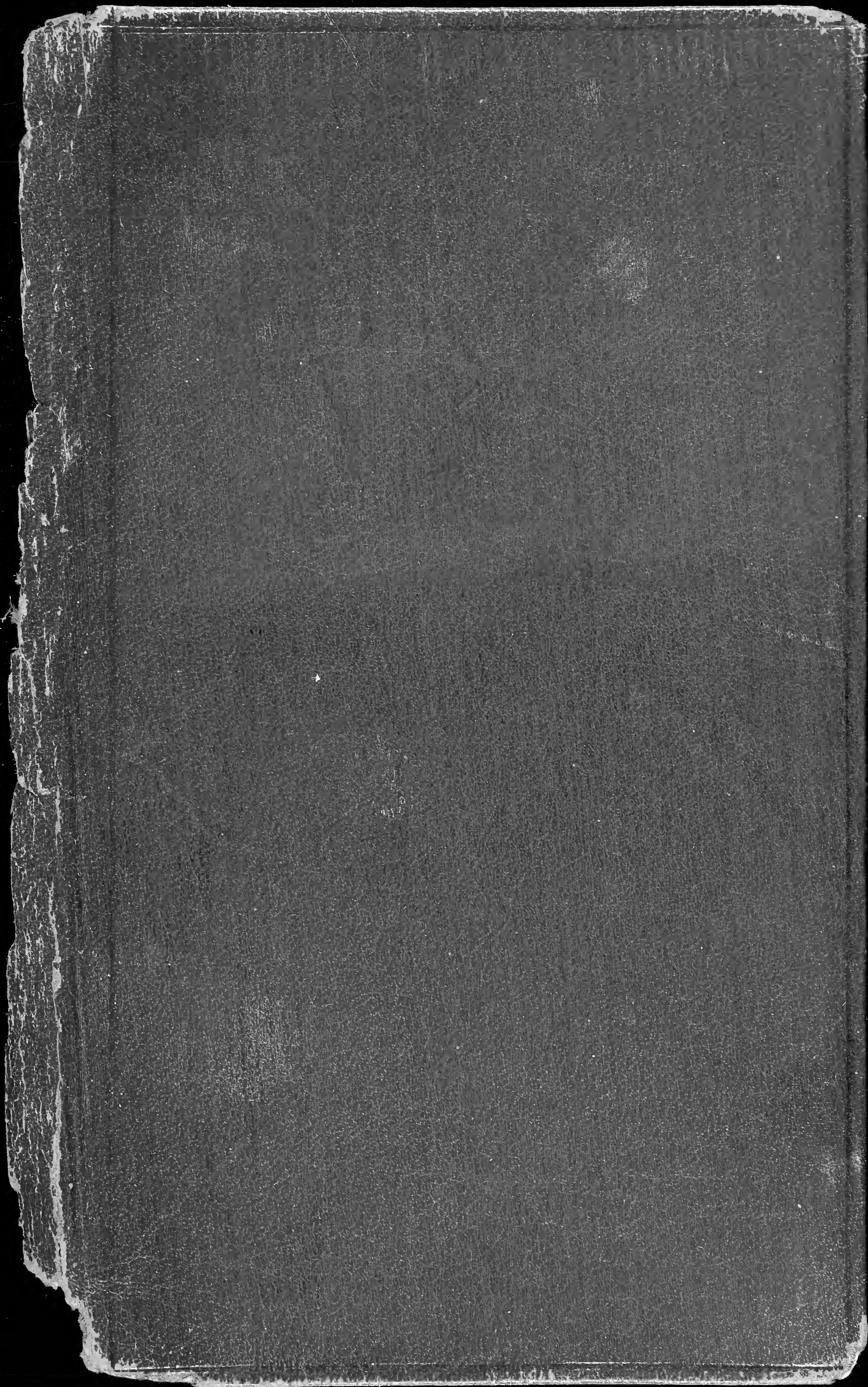


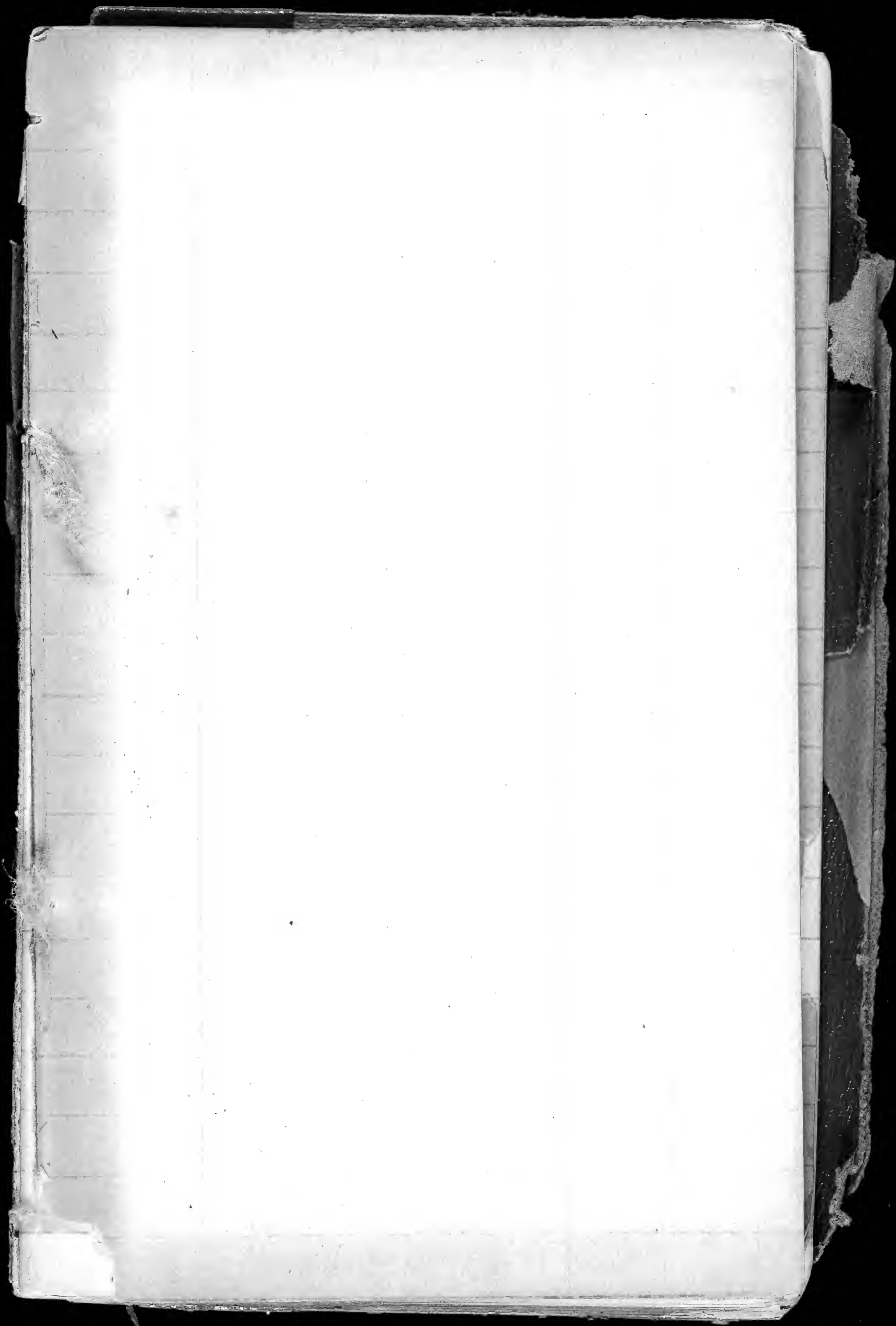
1904
New Harmony
Ind. I

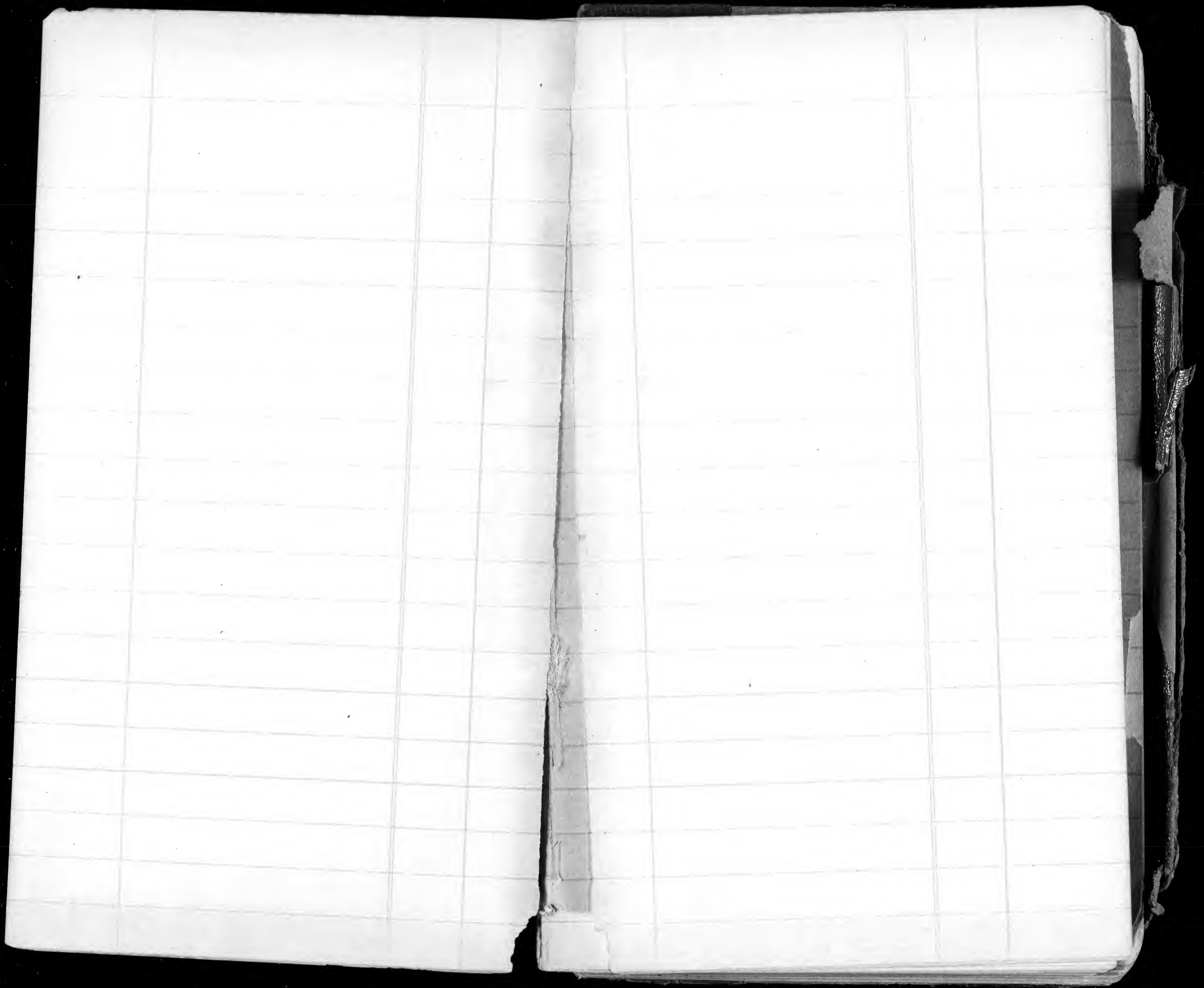
Record





56 Journal Aug.





St Louis to New Harmony

Nov. 26-1904

Reached Brown at 3 AM,

& left for New Harmony
at 6³⁰ AM.

The country between
Brown and a point
near Grayville is
flat prairie, but
at Grayville it
becomes rough,
all along the Wabash
there are hills, -
low & rolling, and in
at least two places
with rock cores.
The surface deposit
is yellow loess, -
later pretty light in
places, but I could not

see well. There are

no deep cuts

Grayville shows cuts
in the loess,

Nov. 26-1904

New Harmony, Ind
Exposure about 25 rods
east of Mt. Vernon road
& just S. of city limits
On loan of
Geo. K. Lichtenberger



See photo



a 1-2 ft of red clay

b about 6 ft

c d 5-7 in

e 4-5 in

about 6 ft d 1-2 in

d 4-8 in

b is just
above its base
thinly bedded
at contact with sand
blue! irregular with
lime nodules, some with
shells.

Some of the fossils (all
in one or two bands especially
the one) are also in red
of sandy bands.

The sample of leaves,
measures - 1/2 inch.
The lower blue-grey has
the vertical tubes - iron -
large - like ground exp.
From roots in upper part
of layers in center of
iron tube.

The lower pale blue layer
is distinctly laminated
when broken. The
upper yellowish layer
only slightly toward base.
The lower has lots of
shells - upper only a
few & they run out in upper
part.

The upper yellowish layer
is rather thin &
shells, not in lower
half.

The line between them
is not sharp here
the shells in lower
part especially are
very fragile.

The soil runs in the
the very clay runs in
it & in places
these hills are
covered with very
fine sand.

A little drift
shows at base of
slope west of
exposure.

Nov. 27 - 04

N. Main St

1850

W. Granary St.

S

V

N

Thomas Day

The Naturalist

Born in Philadelphia

July 27 - 1767

Died at New Harmony

October 10, 1804

Arthur Bransfield

Librarian of Dr. Henshaw's Library

New Harmony, Ind.

old road cut

No. 1

25 W 7



exposure at

at (a) were a lot of
Pleurogonites etc. from
river. A can partly
filled with them, at
top showed origin.

exposure (a) is regularly
lined (unimodal?)

with river. It is

in contact with the

upper loess in No. 1.

see shells. ~~sample~~

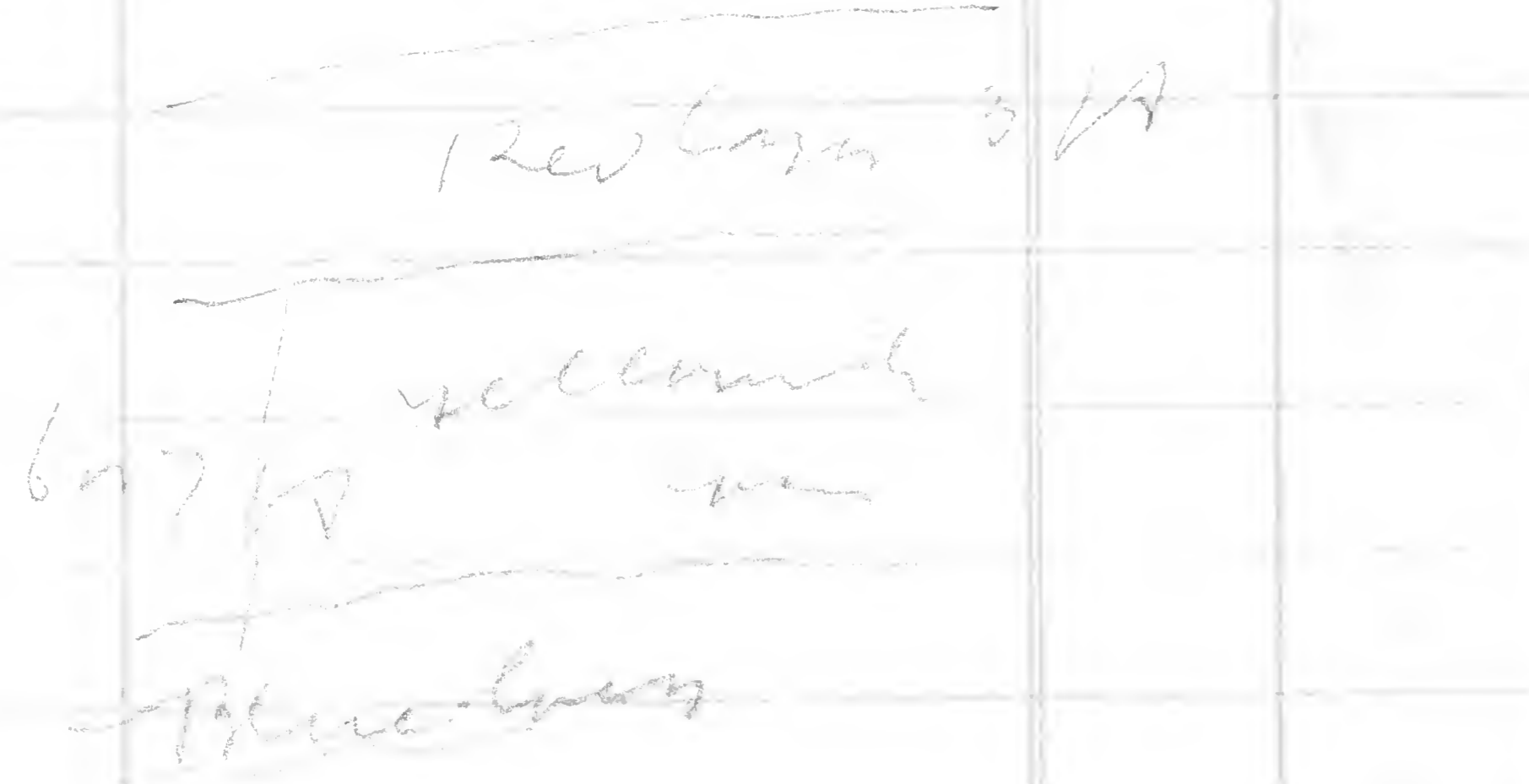
This is upper loess - about

7 to 8 feet. Below is exposed

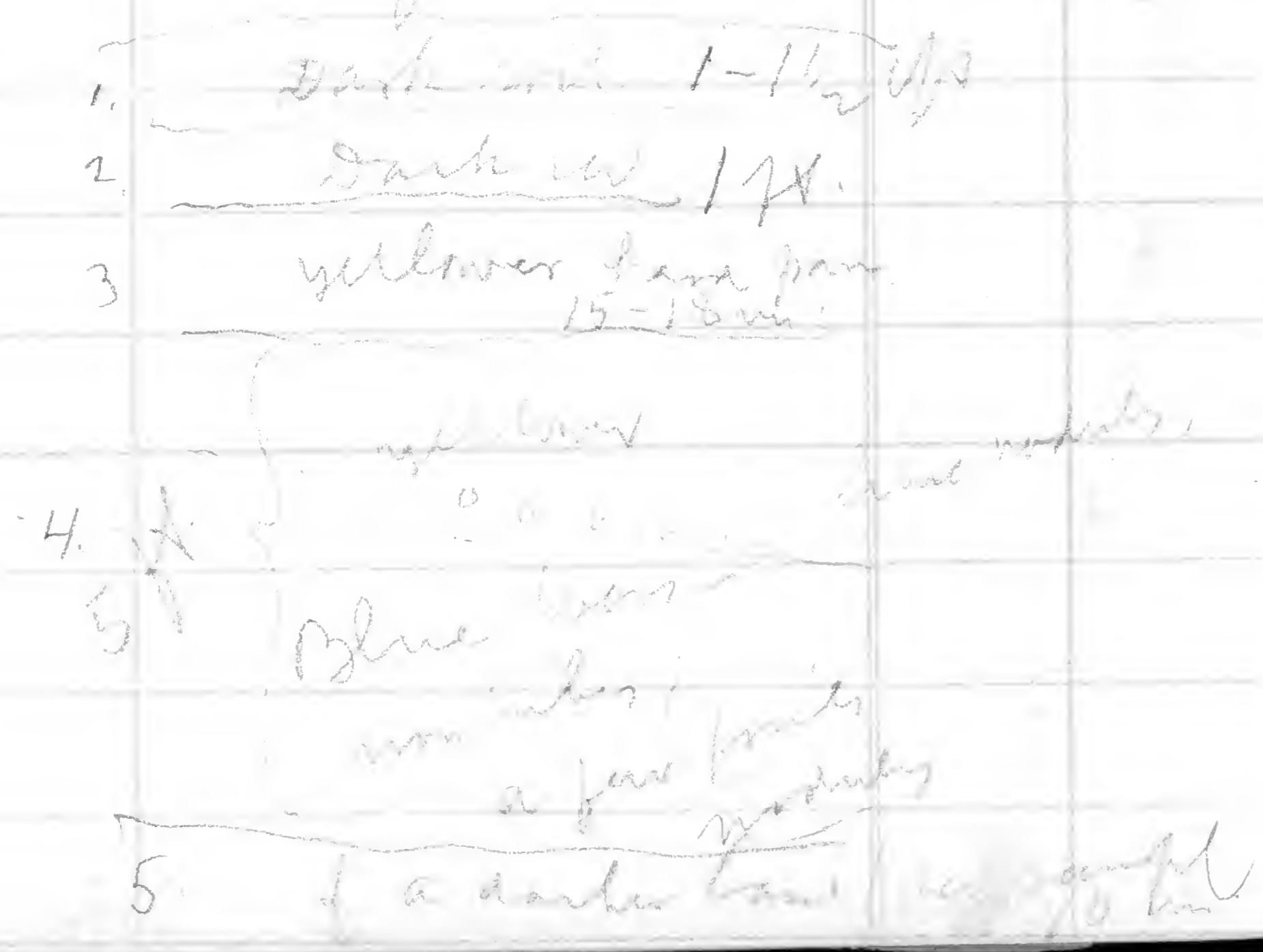
the lower loess again - see shells

main road

there is about 3 ft. of
red clay on top



Found exposure to right
75 ft south of lat is (6)



No. 4 + 5. keeps moving
in the other part of
bank is even with
more str. 1, 2 + 3 are
less.

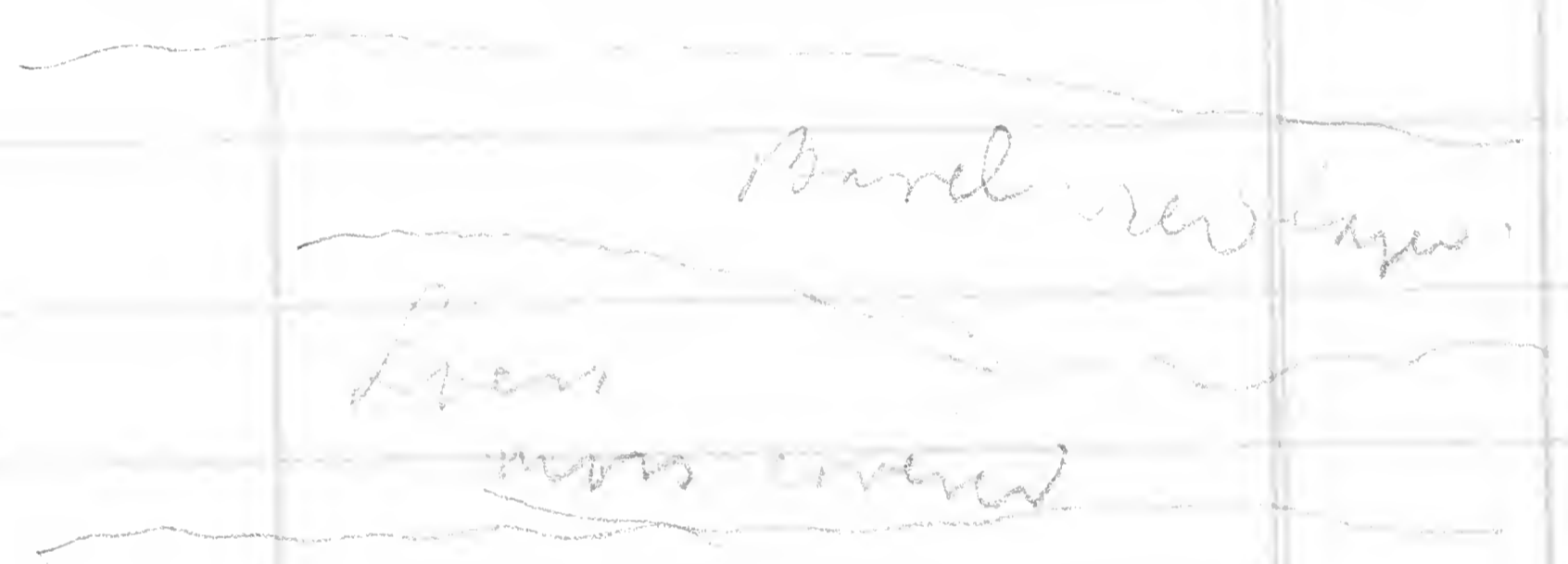
2 + 3 made together
line below 3 + 4 is
fairly sharp.

The lowest layer - dark
(iron gray & brown) looks
just like dirt on top of
soil -

Got a little way (200 ft) up
the row on left side
gravel shows at base
& has much iron &
looks like rather fine
Burchamian.

The cut extends across the
curve & is higher than the

are several feet of
 the upper layers - & the
 red layer above about
 it.
 Darker material below
 was on lower

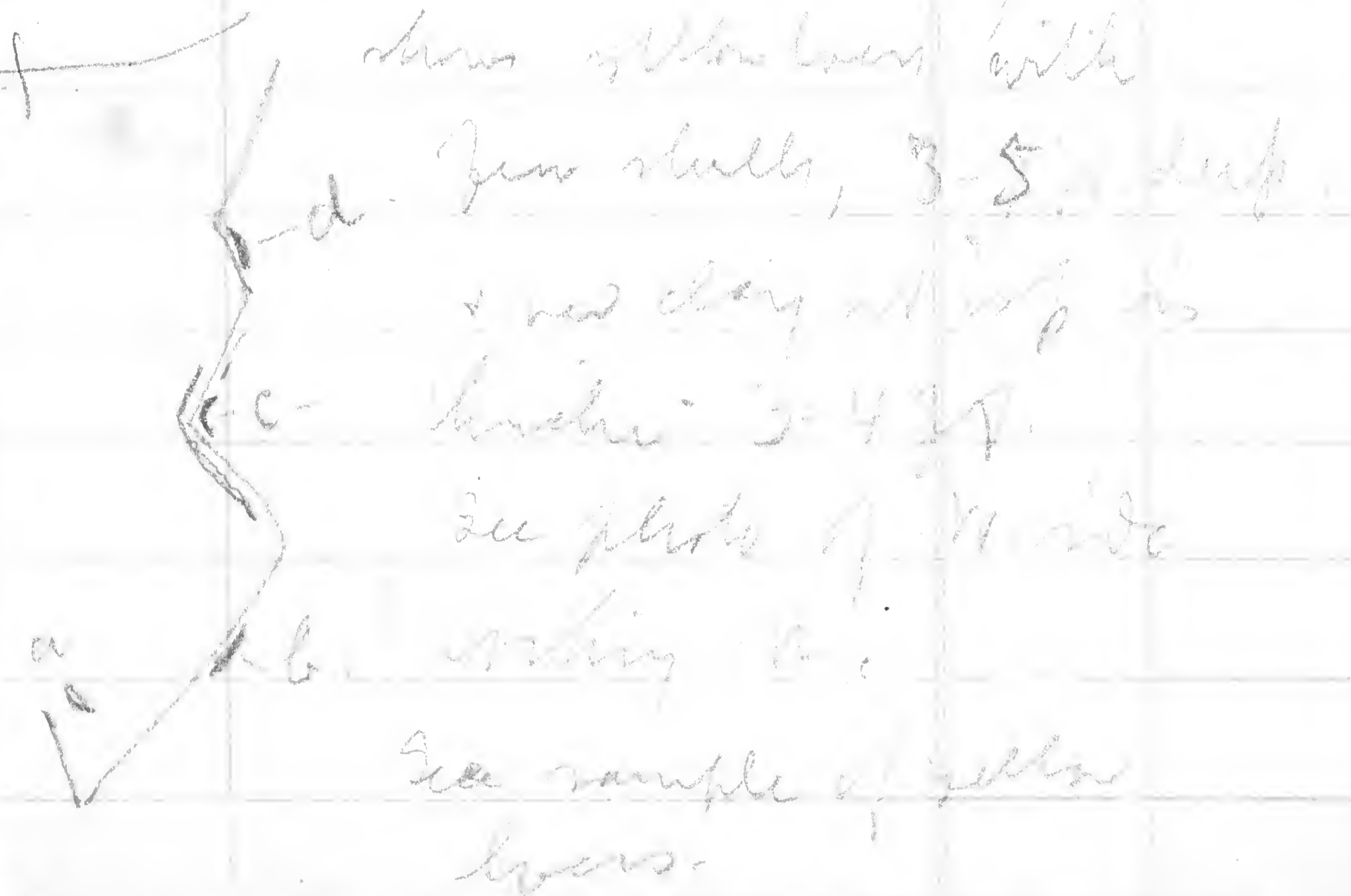


The red clay is 3-4 ft deep
 then 2-3 ft of yellow
 stuff (see b) which
 is thin pan above &
 shades below into
 softer stuff & finally
 green.

at (c) only upper yellow
 layer - 6 ft deep -
 above it 2-3 ft of
 red clay then 1-1/2
 ft soil - see shells.
 A few nodules -
 downward more
 sandy & more like
 the clay

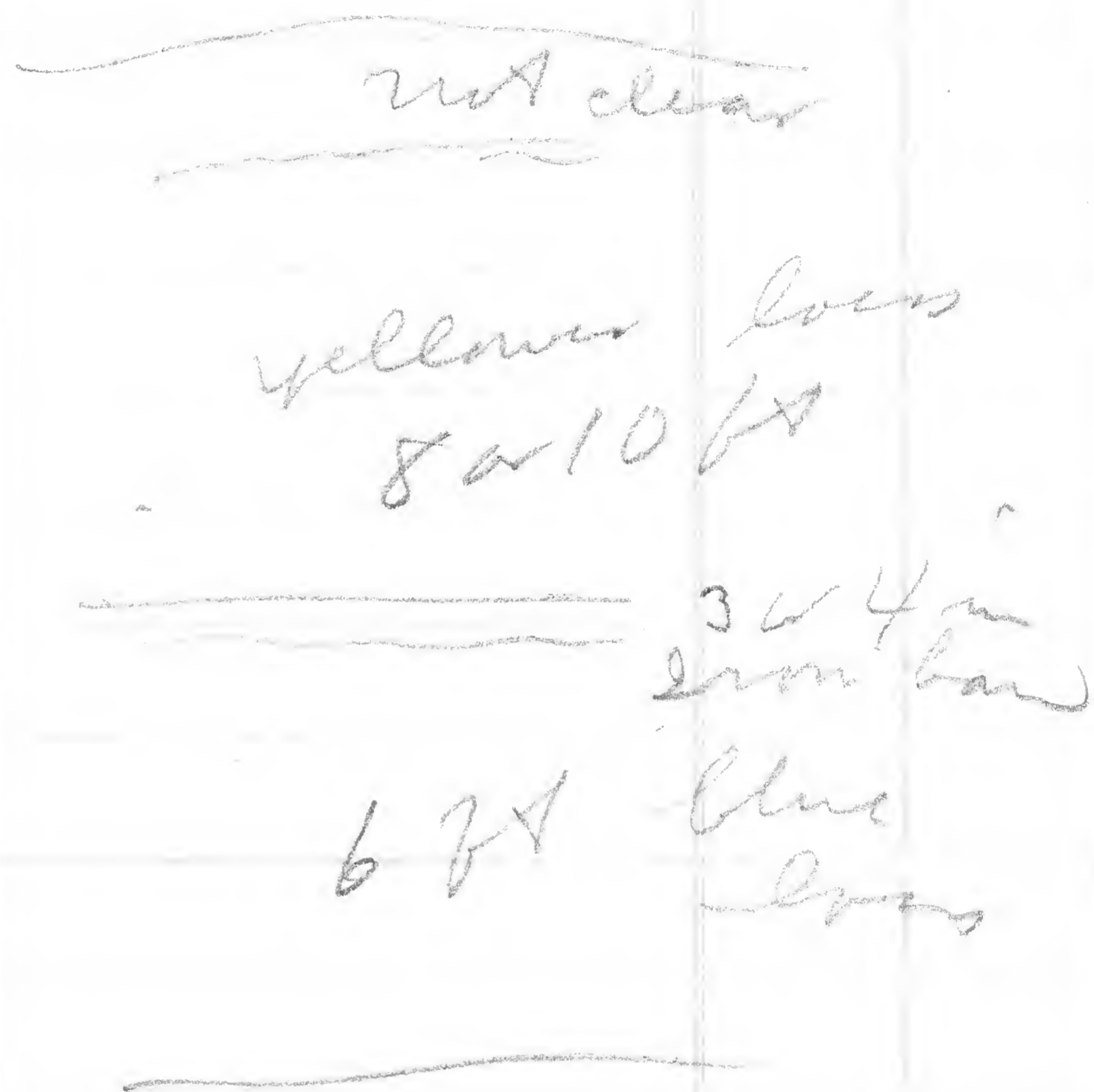
(c) is about 50 or 60 ft
 above (b)

(d) is 100 ft above (a) &
 shows yellow layers with

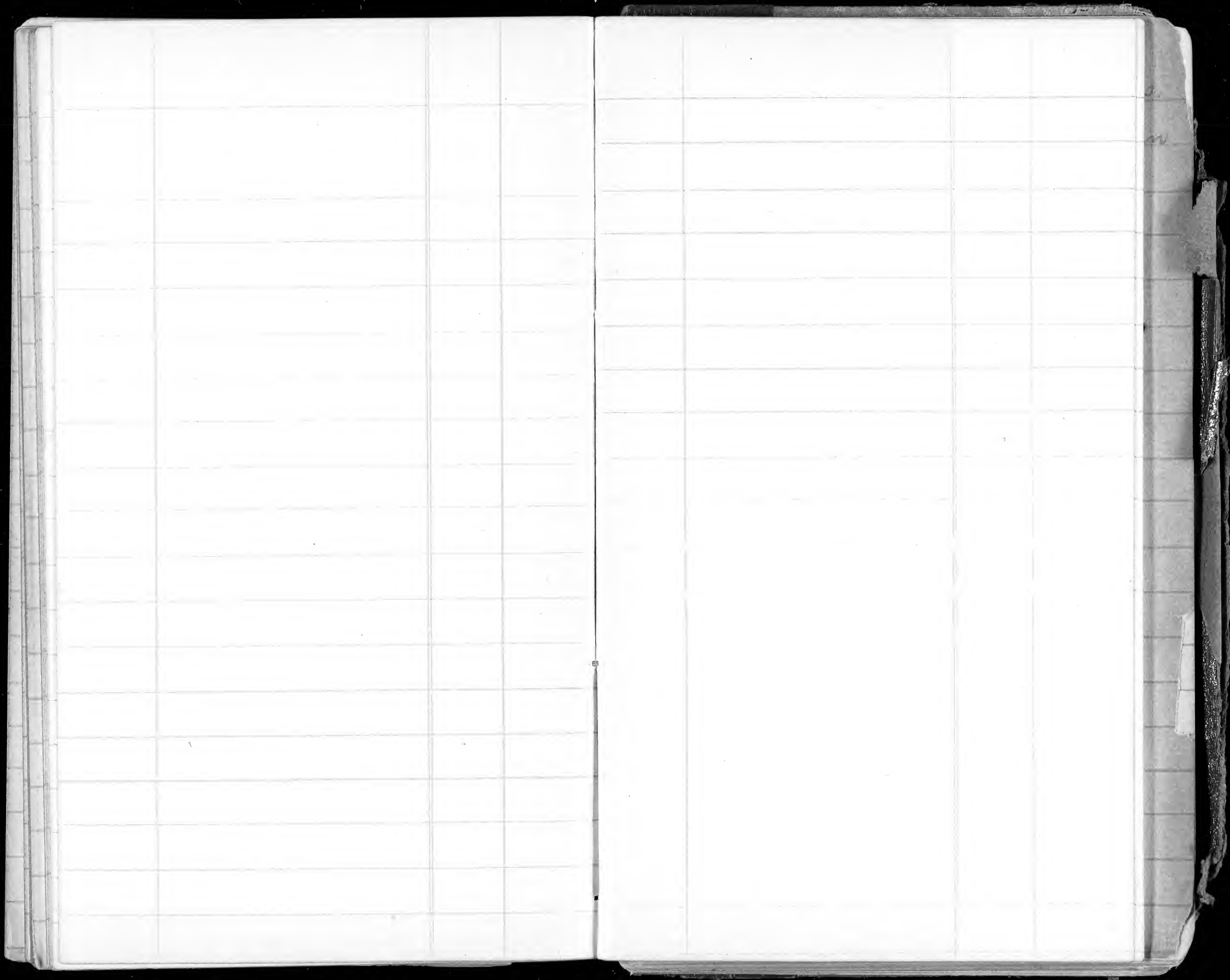


The Pennsylvania road
leads up from river
N. wall & cuts in
3-6 feet. It
is yellow loam, but
at very top under
a foot or two of
yellow loam is fine
yellowish sand.
The red clay caps
all a foot or two.
(See profile.)

Off D. D. Owens' grass
The cut is as follows



It follows contour
of hill up the
road -
around the town
no real blue loam
shows & it is
evidently thinning ?



Exposures along
Ill. Cent. from
Stewartville to
Peoria

Griffin - low hills
bordering broad bottom

Some exposures,
Grayville - N. of Wabash
exposures in street
shale likely

N. of Grayville the
country becomes flatter
but low cuts through
light yellow sand
occasionally appear.

Peoria - just W. or
NW. are low cuts
(the country is a
little rougher) &
they appear to show

a more compact layer
below & yellow on
top (at least 3 or 4 ft)
This is as it appears
from the train.

Bone Gap - small
low cuts - Country
gently rolling.

West Salem - low
cut just before getting
to station. Also low
cuts in road.

also exposed (light)
& shows a division
above
a cut of iron

Just beyond WPAW
several cuts show

yellow loess 2-4 ft

+ red gravel
beneath no
new topping layer.

Olney - Beyond

saw cut with red
drift at base &

2 or 3 ft of loess
on top.

Beyond Newton pure

red drift in cut.

But next long low cut

shows whitish loess.

To Falmouth flat

country with considerable

oak timber.

To Rose Hill same.

To Hildalgo - same.

Just beyond the

country is rougher,

1st cut shows drift

2nd " " " with

a little loess.

Several more show

yellow (light) drift,

usually reddish

near top, & no loess.

Others show a little

loess.

Country soon becomes

flat, with oak groves.

Near Greenup again

rougher + cuts

show drift -

Some over in places

at Greenup - just N. of

depot, a high cut

shows drift - yellow

with upper 4 or 5 ft. redder,
no loess.

Near Toledo there
are smaller bits
of light loess
seems to appear
in small cuts
From Matton to
pretty near Decatur
it is flat bounded
prairie
At Decatur (just before
getting in) several
large exposures
show light ^{drift} drift
below on it 3 to 6
ft of red drift
(shale together)
& on this a little
soil - 2 ft
North, small gravel
drift rough along

river. Rocks like
moraine knobs.

Again flat until
a little beyond
Latham, where it
becomes a little
rolling - this is
not level, & again
flat prairie
Mr. Pulaski is a
slightly rough
ground - on a
scale ^{of knobs} with prairie
two seem to be two
knobs - same?
Roll prairie to
a little beyond
Green Valley
where odd

exposure appears
as if capped with
a little loam?
Lodges shaly or
rocky below
These appear on
both sides of
river, but I
guess 2 miles
apart.
(Mackinaw river)



Dr. Seidlitz - 3333 Lucas

— — 4240 Morgan

St. Louis,
 Possible exchanges
 Instituto Agricola
 Caracas, Venez.
 Given by Dr. Eugenio M.
 Ambar, Gen. Com.
 for Venezuela.

Mr. Edmund P. ...
 203 Vine St. ...
 Would exchange plants
 cones furnish sections
 Sugar Pine 8 ft Picea ... 8 ft
 W. Hill, 11 ft Song Sparrow 8 ft

The Brazilian Museum
 Rio Janeiro, Brazil
 will ex. bot. spec.
 Ref. by Com.

Spiritone Chemical Co.
 Wilmington, N. Car.
 wood traps, etc. mfgd.
 Agricultural Hall.

Mr. H. W. Kopman
 394 Broadway, New Orleans, La.
 Botanist & reporter for
 Times-Democrat
 says Prof Morgan of Baton
 Rouge, La., is in charge
 of station at Cameron, La.
 (by boat from Lake St.
 Charles) The flora fine,
 like Tex. & Fla. contacted
 others whom he suggests
 Prof. R. S. Coker,
 728 State St., New Orleans
 Andrew Allison
 Gloster, Miss.

Crescent City Brass Foundry
 Sol. Stern
 332 Decatur St
 Saddle, Collins, New Orleans

S.P. Shotton Co.
Rosin Oils & Co.
Savannah, Ga.
Fruiting Redg. fine

List of items

Pictures on Redg. fine

About 26 slides

Waspentine

Blue Cypress knees - Mo.

Longed pine seedlings on

protected ground, S. Car.

Young rises forest. Mo.

Some - Thinned

Good reproduction of

Red Pine.

6 pictures showing

mylar in dust

Mr. Jefferson surrounded by
unbroken forest. - Ore.
Wasteful logging So. Dak.
Good logging "

Grounds cleared by sheep. - Ariz.

Remains of Coast Redwood
Forest, L. Lawson.

Parkland, Calif.

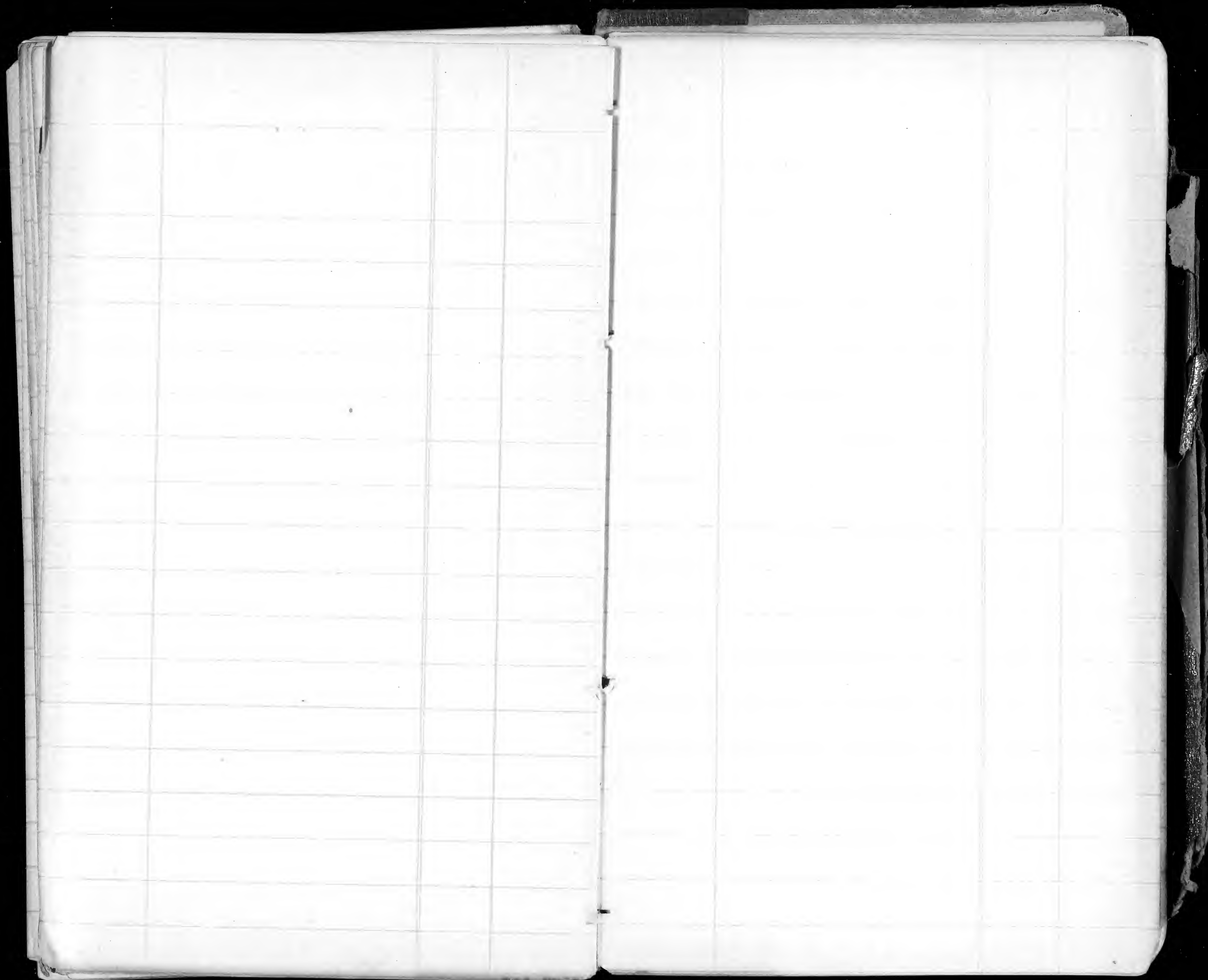
A lumberman burning
young trees, all killed
Calif.

Foresty Valley

Mr. Wm. Guynet

Rep. French Congo State

Had fine display of
rubbish on car.



Mississippi

See P of history that
they will be up
3" or 4" probably

Have woods,

There are about 80 varieties
of "stove-wood" - get these if
available

The larger pieces of wood
can be sawed into pieces
7 or 8 inches across,

Mr. Dale

Brazil

Woods -

Leatherwood material

Med. plants

Seeds & fruits

Parrot nuts - with shells

Rubber - fruit

Fibers - & pieces of the

Dye woods & barks -

Resins, & gums -

There is a book available

by J. Dutra

Sao Leopoldo

Brazil

West Pascagoula Creosote

Woods -
Gautier, Miss.

I have blocks of Trebo-
cated wood & some blocks

of creosote wood -

- c -

Devociano Chavez

Managua,

Exhibited plants at St Louis

Minister of Fomento

Guatemala City

For exp. of plant

Washington Lumbermen
Clark Richardson Lumber Co.
Washington The slabs etc.
Everett, Wash.

Write:

Washington
Genzica
Mecanica
Kloman
Cejka
Guatemala
Lima
Muzo

Argentina
Pera from was for hats, in
varmishes
(Caesalpinia graciosa?)
Algarrobo blanco - for
Government
Quebracho colorado (Schmidt's)

Guatemala

Fibers
Seeds
Med. Plants
Woods

Com. Carlos F. Grigoyen
Specimen Com.

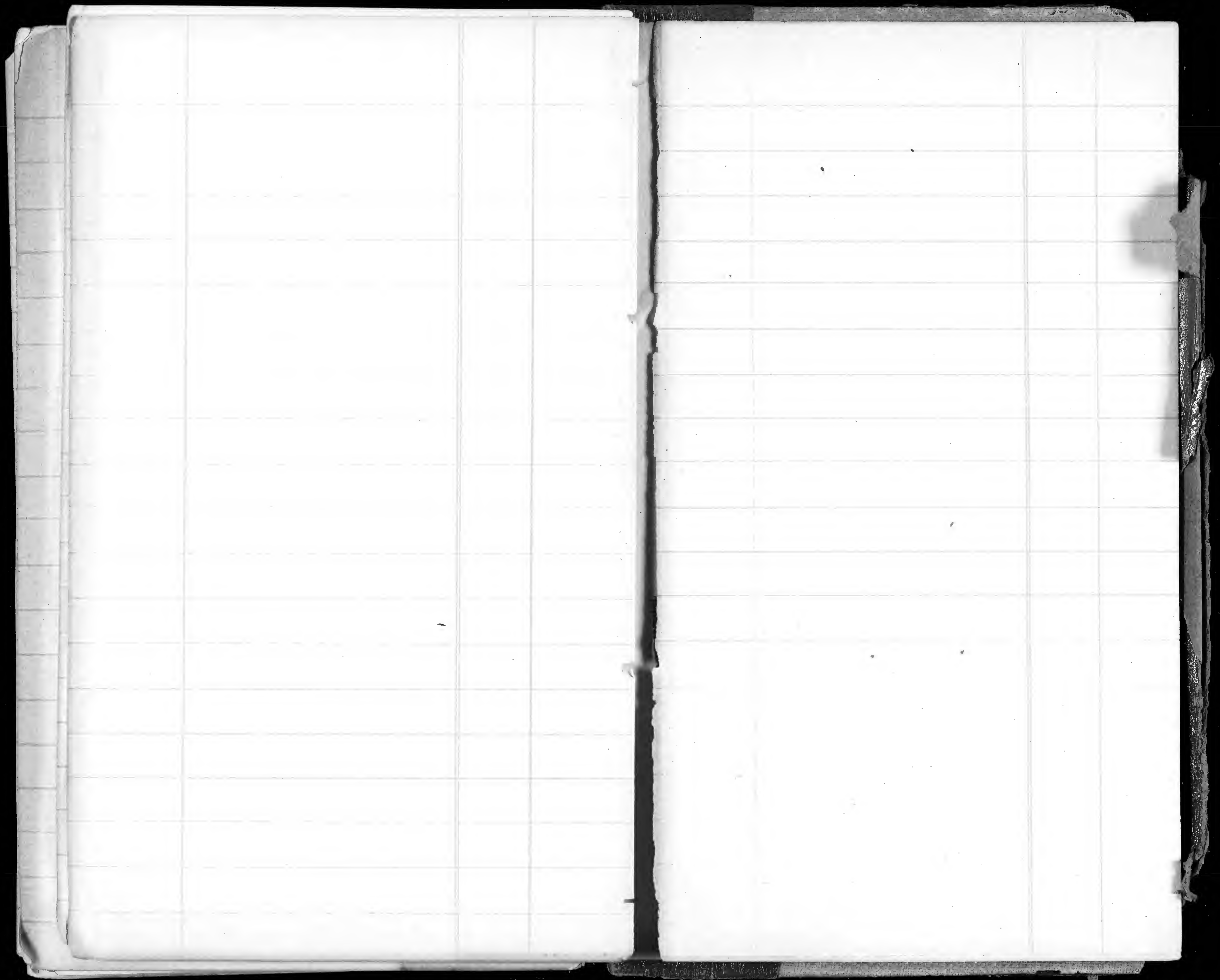
Argentina

Com. Nelson.
Com. E.M. Nelson.

Director National Museum
Buenos Aires

Provincial

Director La Plata
Museum
La Plata
Arg.



St. Louis

Nov. 22 -

1904

Nov. 21 RR fare 3 75

" 22 Room 3 00

Meals 20, 65, 45 1 20

" 23 Meals ²⁵ 45, 40 1 05

" 24 Meals, 30, 45, 30 ⁴⁵ 1 05

" 25 Room ¹⁵ Meals 30

Car fares H H H H

