



The cactus found on the  
rocks at the mouth of M. river  
at the granite at  
Little Rock is the  
Cactus Ferax

highest point left is  
5. from mouth of M. r.  
Left side 10 mi from 253  
village at mouth of willow r.  
Bluff just from still water 179  
highest point above  
trap on low 2200 ft

in red paper Box mark  
material

Pl. ...  
" Bicarinata

still water  
Paludina White Bear Lake near  
Cyclas - Pond near still water

Carrollian Lake  
Paludina Integra  
Ludlowia Plana  
Paludina bicarinata



Varnish for shells

Canada Balsam +

8pts Turpentine equal parts

Boil in water Bath.

Varnish for Maps. 2. or 3. coats being  
- glaz. sol. in warm water. then varnish with the  
above shell varnish

ish shells of some Lake & River

110. *Helix* - *Rubiginosa* -

Sea

121. " *Mulinosa* -

Rufesque

131 " *Elipis* -

Sea

137 " *quadralis*

Rufesque

102 " *Bullatus*

"

150 " *Olyan* -

"

120 " *Securis*

Sea

139 - *Reflexus* <sup>Comutus</sup>

Barnes

153 " *Tuberculatus* -

Barnes

123 " *Myteloides*



Short memo

Left home Apr 6. 1848. at New Ham  
 Apr 7<sup>th</sup> ~~Stayed the night~~  
 All started from Harmony 2<sup>o</sup> May  
 At St. Louis 4<sup>th</sup> May  
 Started from St. Louis 11<sup>th</sup> May  
 Still water May 17<sup>th</sup>  
 Our camp at St. Peter 25<sup>th</sup> May  
 at St. Peter Sunday May 28  
 Start up St. Peter Thursday June 1<sup>st</sup>  
 Traverse des Sioux Tuesday June 6<sup>th</sup>  
 Saturday June 10<sup>th</sup> go up Blue Earth  
 started down Blue E. June 26<sup>th</sup>  
 July 1<sup>st</sup> Camp at eminence 35. feet.  
 at mouth B. E. Troop St. Peter June 29  
 Mr. Mangos Sat July 1<sup>st</sup>  
 Monday July 3<sup>rd</sup> Little Rock  
 arrived at Ft. Snelling Sat. July 15.  
 start for Still water July 26<sup>th</sup>  
 arrived Still water Saturday July 29.

Sunday July 30<sup>th</sup> 12. 10 A.M. wind from  
 west. Temp 66 - 65. Sedges of swamps of  
 Little Crow village, are just peeling their  
 tents on the 3<sup>rd</sup> side side the Lake, we  
 passed them yesterday about 8 miles above  
 this place, on a point on the right shore.  
 they are going up the St. Louis on a short  
 excursion.  
 walked out to a beautiful little lake about  
 one mile below town on the right prairie,  
 in company with Mr. Bartlett & Mr. Baird  
 Lake about half a mile across nearly round  
 water as clear as crystal, shore, pebbly  
 and sand bushes growing on the bank, in places  
 near shore yellow sand in the water.  
 ) while pond with *Diluvium* *Strophodonta*  
 saw along the shore *Planorbis* *Complanata*  
*P. Bicarinata*. *P.* & *P.* also *Cyclada*



Physas, paludinas, and Anadontas  
light shower during the afternoon  
sunset Cloudy. Wind N. N. W. 4. Temp  
= evaporation 60°

Monday July 31<sup>st</sup> 6. 2 CLK A.M. clear  
Wind west North west 2. Temp 56°. AM Rain  
AM. Partitt myself, walked out 6 miles to  
Carnellian Lake, this is the prettiest  
lake I ever saw. It is about 3 miles long  
and at the narrowest place 1/2 to 2 wide  
and in one place, near the middle  
divided, nearly, by a long narrow peninsula  
on Peninsula. has a small island and  
Island covered with trees, beautiful growth  
along the shores and putting points.  
The shores are everywhere covered with  
small boulders and gravel of every  
Col. primary rocks. Saw amongst them

some pretty agates  
Many beautiful porphyries. The water of the  
Lake as clear as crystal, so that the bottom  
can be seen where it is 10 or 15 feet deep.  
It deepens gradually from the shores  
and must be very deep out in the middle.  
It abounds in fish, chiefly Bass, Trout,  
& Pike. The shore everywhere strewn with  
shells amongst which we collected the  
Trivalvis, P. Campanulata, P. Bicauminata, &  
Several other species of Planorbis. Paludina  
Integra. Limnaea jugularis, in great numbers,  
Valvata bicarinata. Several species Physas  
& Cyclocladus. also Unio siliguooides. and  
Anadonta Plana. Saw swimming in the Lake  
Several Loons, Great northern divers and some  
wild geese. The lake lies the longest way  
North west & South East, the promontory  
that comes so near dividing it puts



saw evidences that <sup>water in</sup> the lake is subject to elevations & subsidences at long intervals. deep trees along the margin roots below the present low water level

cut from the North Shore, along the South Shore, which is very uneven, being full of bays & promontories, there are many Lagoons or small deep ponds cut off from the lake by low sand banks. The water in these is as clear & pure as that in the Lake - they generally contain the same shells found in the Lake.

The Trees about the Lake are generally small scrubby Adirondack oaks, with a few red birch along the shores. Collected from some fragments of a magnesian limestone (not in place but evidently near the sand rock) some fine specimens of *Planorbis rotundaria*, \* *Euomphalus* etc.

At 12. Cloudy and slight shower. Wind N. E. Temp 70. returned to camp at sunset, pretty

land having walked some 15 or 16 miles during the day.

Sunset cloudy wind S. Temp 56°  
Tuesday August 1<sup>st</sup>. Leaving continued my observations upon wind the temperature during our trip up the Blue Earth to St. Peter's river and back to this place, I will probably discontinued the same during the balance of the season. Mr Randall's party are all here now and will remain till Mr Macy returns from Galena. Mr. Randall who had went down to visit the falls St. Anthony returned yesterday evening by Land. Mr Bartlett & Dr Parry who are here now accompany him from here up the St. Croix and across the country to Lake Superior. Mr. Randall was very unfortunate in



being robbed of everything as he came away  
from the head waters of ~~St. Lawrence~~ to Lacsminon  
to the <sup>head of Blue Earth</sup> ~~Neuf-Rocher~~ river by the Sioux. They  
took from him his horses blankets and everything  
giving him in return one old lead pipe  
and one pair of half worn Indian blankets  
they also broke his Instruments.

Wednesday Aug 2<sup>d</sup> collected today  
several specimens of Trilobites & Lingulas  
from the Trilobite bed above the village.  
also collected a number of minute shells  
mostly helix, pupas &c.

~~Thursday~~ <sup>Thursday</sup> Aug 3<sup>d</sup> Spent the day in  
packing & arranging specimens, and in  
writing to friends.

Thursday Aug 4<sup>th</sup> attempted to measure  
the height of several elevations about Stillwater  
this morning, with the Barometer, but

owing to a variable state of the atmosphere  
could not rely upon any observations, and  
heard nothing inactive here; but we cannot  
start till Mr Dray arrives, with funds from  
Galena. and we are not certain until we  
hear from him whether or not the appropria-  
-ation bill for the continuation of the Survey  
has been passed by Congress.

Saturday Aug 5<sup>th</sup> Dr B. L. Franklin  
arrived here last night but Mr Maury did  
not come. We received a letter from him  
however, stating that he had not yet received  
any intelligence from Washington. no  
drafts had yet arrived at Galena, and he did  
not know whether or not the appropriation  
bill had passed. as it will be upwards of a  
week before we can hear again from him  
we have concluded to go up to the falls of the



St. Crow and spend the intervening time in examining the trap rock cages at that place, ascertained the temperature of the spring near camp to be  $48^{\circ}$  two of those near Fort Snelling were  $47\frac{1}{2}$  and one  $48^{\circ}$  which is not far from the average temperature of the climate.

Sunday Aug 6<sup>th</sup> beautiful clear morning south E. wind. rose early to make preparations to start up to the falls, got off at 2 o'clock. Just above the town the valley bears east of North  $30^{\circ}$  the hills close in on each side so that the valley is not more than from  $\frac{1}{2}$  to 1 mile wide with precipitous little cliffs of May. Limestone underlain by sand stone, as we go higher up the sand stone mounts higher in the hills so that some 6 miles up the entire cliffs are

sandstone, the Limestone having run out. Here the hills are more rounded with few escarpments. The cliffs below this are very picturesque, having occasional clumps of pines scattered among the thin Linden ash birch &c. there are many narrow islands on both sides, cut off from the hills by sloughs. Stopped on the right side to dine about 7 miles above Still water at the base of bluff of sand rock. Here we saw some fine Springs pouring from the sand stone. Saw below this the first cardinal flower yet seen much of a very large species of arrow head along the Islands, has a large leaf and flower, which latter is white also along the wet base of bluff the sensitive



firm, mild pasture. Equestrian  
hymen with many ferns and  
Siberian. also saw the Ever tree low  
spreading with bright red sweet berries seen  
Like fir trees, also small ~~pine~~ spruce  
along near the mouth of the R.  
a short distance above this, the hills  
spirals out to some three or four miles in  
width. the bottom is low a flat being cut  
up by sloughs into numerous long islands.  
It seems probable that the whole valley  
has been once a lake which has since  
filled up. These islands are clothed with  
soft maple, ash Elm, willow &c. and are  
thickly set with tall sedge grass, which  
is mowed by the settlers along here and  
makes good hay. In some places on the  
Islands great quantities of large willow  
leaved Ambrosia. The hills seen in

the distance are very sparsely clothed with  
trees, amongst which I see at some places  
a few pines. Saw bear tracks in the  
same way. The shores a few miles below  
about 2 miles below the marine mills  
we saw sandstone in the strata on the right  
side the river near the edge of the water. On  
examining it we found it to contain  
pieces of Trilobites, Lingules and furoidal  
markings. although the rock contains many  
of these fossils we could find no good speci-  
-mens.  
At about 3 o'clock we arrived at the  
Marine mills 10 miles from Still water  
Mr Patton Dr Parry & myself came  
up in the canoe with the two voyagers  
Mr Randall, Mr. Hains, Mr. Bartlett  
walked up and arrived at the mill



about 3.000k. seen at the mills  
or pond, owing to the dipping of the  
strata that the fossils are not  
found as seen 2 miles below is slight  
On the top of the bluff about 35 feet  
above the river. No signs do see  
here manifest signs of our proximity  
to the Trap rocks a lower stratum  
of the sandstone near the edge of  
the water here is red and much  
hardened by heat so that it seems  
to be intermediate between sandstone  
and quartzite. I see in this as in  
as in the thickly stratified nature  
of these lower beds of the sandstone  
underlying the lower magnesian  
limestone in this region, additional  
evidence that the quartzite at

the mouth of the Narrows on the  
St. Peters is the same rock changed  
by its proximity to the granite.  
Monday Aug. 7<sup>th</sup> saw in the thickly  
stratified sandstone this morning below  
the mill distinct ripple marks another  
evidence of the contemporaneity of this  
and the Narrows quartzite. There is here  
on top of the <sup>lower</sup> stratum which  
is seen about 12 feet above the water,  
a seam of blue earth exactly similar  
to that which occurs higher in these  
looks on the Blue Earth river just  
above the mouth of Lewis River.  
all started at least 7.000k. for the  
Acacia mill Mr. Patton, Mr. Bartlett,  
Mr. Randall and Mr. Hains with the  
voyagers in the canoe, and Dr. Carr



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July 2nd 1880

Left for the ...

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July 3rd 1880

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The first part of the book is devoted to a description of the various species of plants and animals which are found in the country. The author has been very particular in his descriptions, and has given many interesting details of their habits and modes of life. The second part of the book is devoted to a description of the various species of trees and shrubs which are found in the country. The author has been very particular in his descriptions, and has given many interesting details of their habits and modes of life. The third part of the book is devoted to a description of the various species of birds and insects which are found in the country. The author has been very particular in his descriptions, and has given many interesting details of their habits and modes of life. The fourth part of the book is devoted to a description of the various species of fishes and reptiles which are found in the country. The author has been very particular in his descriptions, and has given many interesting details of their habits and modes of life. The fifth part of the book is devoted to a description of the various species of minerals and fossils which are found in the country. The author has been very particular in his descriptions, and has given many interesting details of their habits and modes of life.

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as a very good example of the  
"masonry" type of work done with  
compacted material. The work was  
done in a pit about 10 ft. in  
diameter and 10 ft. deep. Some  
8 or 9 ft. deep, though it was to a great  
depth as it was a part of the  
masonry of trap 15. It is so  
that this work was done in a  
manner of bed rock. The  
work is the best in the  
the rocks showing

When I got to the site in the  
present time it is a flatly  
channel through the masonry.  
I was surprised that the north  
side did not show more evidence of

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86 July 10 - 1895

Remained in the house today. The weather is very hot and the sun is very bright. I have been reading the book on the history of the United States. It is very interesting and I have learned a great deal from it. I have also been thinking about the future of the country and how we can make it a better place to live in.

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The first thing I noticed when I stepped  
out of the plane was a cool breeze  
that felt like a warm blanket. The  
ground below was a mix of green fields  
and brown patches, suggesting a recent  
rainfall. The sky was a pale blue, with  
a few wispy clouds scattered across it.  
I took a deep breath, savoring the  
fresh air. The landscape was beautiful,  
and I felt a sense of peace and  
tranquility. The sun was shining  
brightly, and the overall atmosphere  
was one of calm and serenity. I  
felt like I had found a hidden gem.  
The view was simply stunning, and  
I couldn't help but smile. The  
scenery was exactly what I needed  
after a long flight. It was a perfect  
start to my trip, and I was  
excited to see what else the  
country had to offer. The beauty  
of the landscape was truly  
breathtaking, and I was  
in luck. The view was  
just what I needed to  
rejuvenate myself. The  
scenery was simply  
stunning, and I  
couldn't help but  
smile. The beauty  
of the landscape  
was truly  
breathtaking,  
and I was  
in luck.

The second thing I noticed was the  
soft hum of the engine as we  
descended. The pilot's voice came  
over the intercom, announcing our  
arrival. I looked out the window  
and saw the runway stretching  
ahead of us. The plane touched  
down smoothly, and we taxied  
towards the terminal. I felt a  
sense of relief and excitement  
as we finally reached the ground.  
The airport was busy, with people  
waiting for us. I saw my family  
and friends, and I felt a surge  
of happiness. The journey was  
over, and I was home. The  
airport was a familiar sight,  
and I felt a sense of comfort.  
The people around me were  
friendly and welcoming, and  
I felt like I had reached a  
second home. The journey was  
a wonderful experience, and I  
was grateful for the trip. The  
airport was a great start to  
my vacation, and I was  
excited to see what else  
the country had to offer. The  
beauty of the landscape  
was truly breathtaking,  
and I was in luck.

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Monday May 21st

Left at 8 AM for the mountains

Reached the top at 12 PM

The view was magnificent

Stayed in a small cabin

Had a very good dinner

Went to bed at 10 PM

Very comfortable

Will be back tomorrow

Good night

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Handwritten text, possibly a signature or date, located on the right page.



1870  
The first day of the month  
I went to the office  
and found the  
books in a state  
of confusion  
I spent the day  
in settling up  
the accounts  
and found that  
the books were  
not balanced  
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12  
The first thing I noticed when I stepped  
out of the plane was the fresh air. It felt like  
I had been in a cocoon for weeks. The sun was  
shining brightly, and the birds were chirping  
cheerfully. I took a deep breath and felt  
my lungs expand. It was a wonderful feeling.  
I had been so stressed and tired, and now  
I was finally at home. I looked around and  
saw the familiar faces of my friends and family.  
I felt a sense of relief and joy. I had made it.  
I had survived. I had come home.

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7  
I started off in a direction a short  
way back hoping to find the Eucalypt  
River, after I had travelled with  
great difficulty over a rocky  
country in which there is seen  
any trees but a scattered thick  
of aspens, Alder, birch, etc. and  
what as I could grow about 2  
miles. I came to a large valley  
bearing S.E. 20° W. and more later  
I did not to the side of it  
where the stream began to be  
seen. It is the Eucalypt  
River Camp.

Sunday Sept 12. Started early  
in morning down soon commenced  
work, got camp and (to be kept)  
away off and reading and leaving  
the horse carrying  
saddle, saddle bag, blankets, clothes  
etc. Cleared off about the time  
a pot of soup, after supper, I

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Monday Sept 13. continued to do  
work. The day, I started early to  
the river. after about 10





...the work of the day  
...the morning  
...the following day  
...the following day

Monday Sep 29

...the morning  
...the following day  
...the following day

Tuesday Sep 30

...the morning  
...the following day  
...the following day  
...the following day  
...the following day

...the morning  
...the following day  
...the following day  
...the following day  
...the following day

Wednesday Oct 1

...the morning  
...the following day  
...the following day  
...the following day  
...the following day

















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*[Faint, illegible handwriting on the right page of the notebook.]*















not come that it was too late to  
stop for Bayall.

It about 10 AM the baggage arrived  
with a letter from Bayall by the (Sunday)  
train at the 11 AM shipway. Bayall  
was the one of them and  
that evening we were warned that  
there was a storm at Bayall's place.  
The Bayall was in the morning  
then Bayall was at the house  
and he was a woman. Bayall stated that  
they had brought down Bayall's  
to see me as soon as I could come  
down. So I was down in Bayall  
but I don't know more that I would be  
down in the morning.

Monday Oct 11<sup>th</sup>

Left on train to the crossing

When I found Dr. Jones was  
waiting for me, and was pleased to  
see me after some time. They had been  
very anxious about me. They were just  
before we could see them. Bayall  
was the following day when they  
heard I was at McKean's.

Friday Oct 12<sup>th</sup>

Monday, no wind. Spent the day  
packing a suitcase and writing to  
friends.

Saturday Oct 13<sup>th</sup>

Clear morning. Day at Bayall. Mr. Bayall  
and myself went a couple of miles to  
examine the limestone. In limestone  
near Bayall we discovered a  
vein of lead ore. At Bayall I saw lead  
in the lower shaly beds, especially

some quantity. Crystallized salt aside  
of lead and some small specimens of  
Enonchites and trachites all of which  
accompany the veins, and found  
in the rock in large quantities. But we saw  
no lead. The very large pieces will  
be in the rock, and I will now  
have to make further examina-  
tions for lead on the other side  
the river, for some 2 or 3 days yet.

Sunday Feb 15

Morning clear - storm with  
high wind about noon. Evening  
clear, smoky like Indian in  
some for some days past. The  
stripes of their pelting around  
shower with yellow leaves.

At 10 o'clock - 1/2 to 1/4

with this morning.

Monday Feb 16

Cloudy morning with occasional  
- at 10 o'clock - some snow  
fell on the ground and on the  
rocks. The other side of the  
river the snow fell on the  
ground.

Tuesday Feb 17

Morning clear & bright - ground  
very dry & warm. A heavy  
cloud and rain all day. The wind  
thick and the rain fell in the  
evening all day.

Wednesday Feb 18

Morning cool & clear - about 10  
o'clock the snow fell and it  
snowed down the first of the season.





















On account of high wind from  
E. N. river to which could not  
come - very cold.

Friday Nov 21<sup>st</sup>

At 10 o'clock - cold - high wind from  
E. N. river a few miles and  
contributes to lay by - freezing.  
The wind - with rain - in the  
afternoon - the wind at 3 o'clock  
blows from the N. - the  
wind at 4 o'clock - very strong  
and the wind at 5 o'clock  
blows from the N. - very strong  
The wind at 6 o'clock - off with  
the wind at 7 o'clock - the  
wind at 8 o'clock - the wind  
of the wind - the wind at 9 o'clock  
and the wind at 10 o'clock

At 11 o'clock - the wind - the wind  
at 12 o'clock - the wind - the wind  
at 1 o'clock - the wind - the wind  
at 2 o'clock - the wind - the wind  
at 3 o'clock - the wind - the wind  
at 4 o'clock - the wind - the wind  
at 5 o'clock - the wind - the wind  
at 6 o'clock - the wind - the wind  
at 7 o'clock - the wind - the wind  
at 8 o'clock - the wind - the wind  
at 9 o'clock - the wind - the wind  
at 10 o'clock - the wind - the wind  
at 11 o'clock - the wind - the wind  
at 12 o'clock - the wind - the wind

Monday Nov 25<sup>th</sup>

Bright sun - some snow  
Passes the wind - the wind  
at 1 o'clock - the wind - the wind  
at 2 o'clock - the wind - the wind  
at 3 o'clock - the wind - the wind  
at 4 o'clock - the wind - the wind  
at 5 o'clock - the wind - the wind  
at 6 o'clock - the wind - the wind  
at 7 o'clock - the wind - the wind  
at 8 o'clock - the wind - the wind  
at 9 o'clock - the wind - the wind  
at 10 o'clock - the wind - the wind  
at 11 o'clock - the wind - the wind  
at 12 o'clock - the wind - the wind

Some of the most interesting  
things I have seen in the  
country are the old  
stone houses which are  
in the shape of a square  
and in the center of each  
is a small square  
tower. These are  
called "castles" and  
were built by the  
Spaniards. They are  
very old and are  
in a very good  
state of preservation.

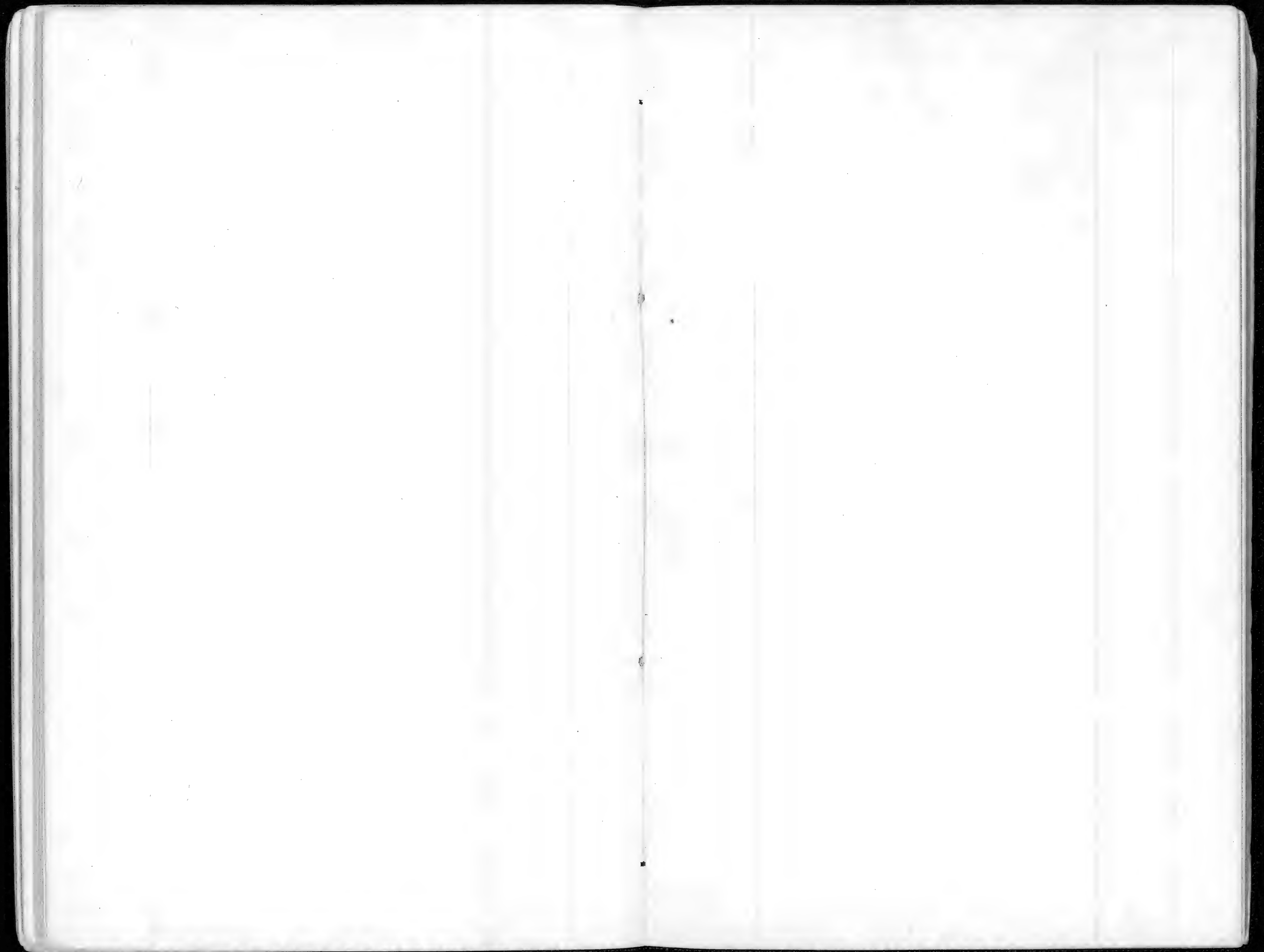


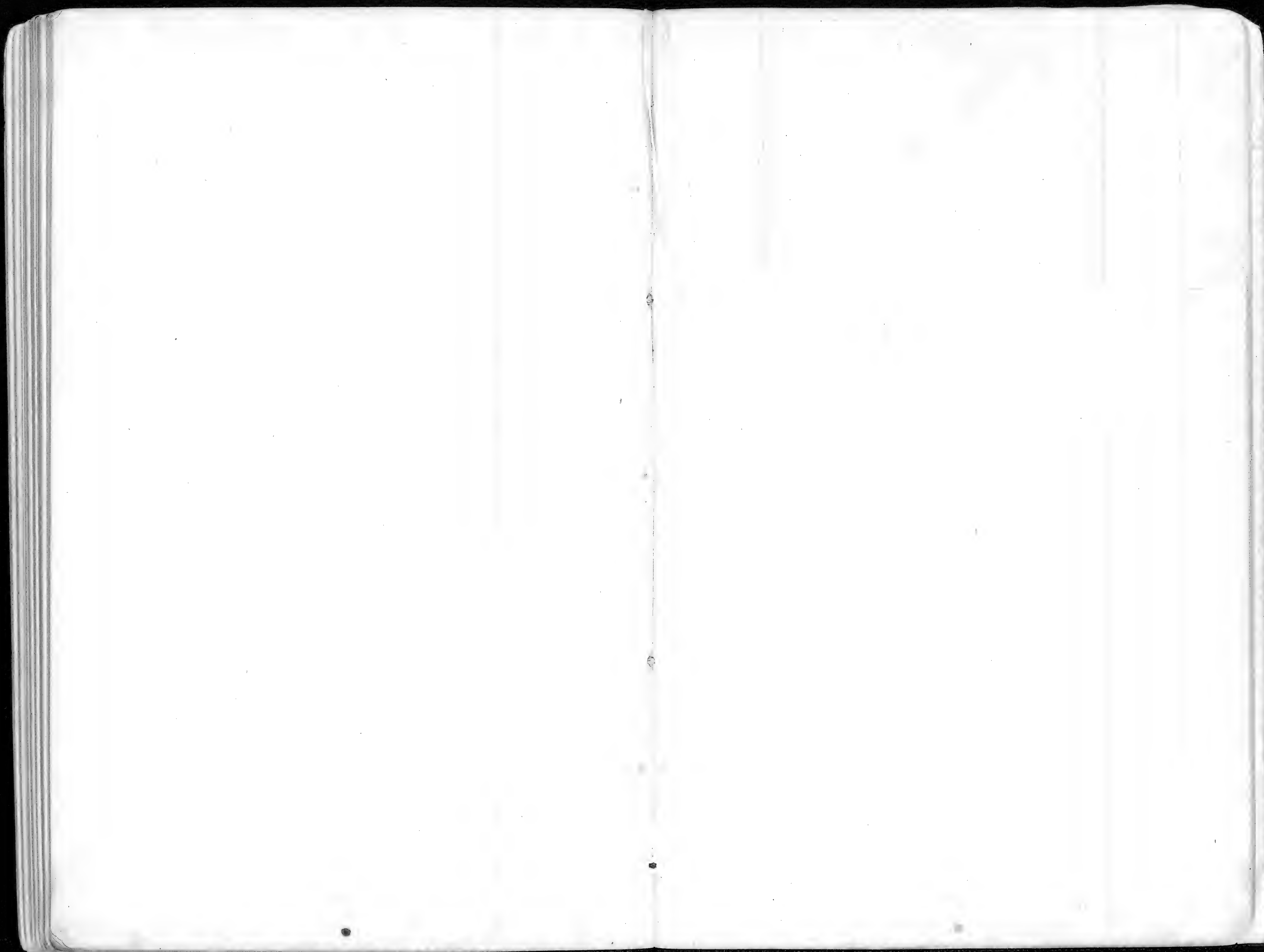
Dates agree  
with  
1854

Calendar

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[Owen Survey,  
1848-1849]

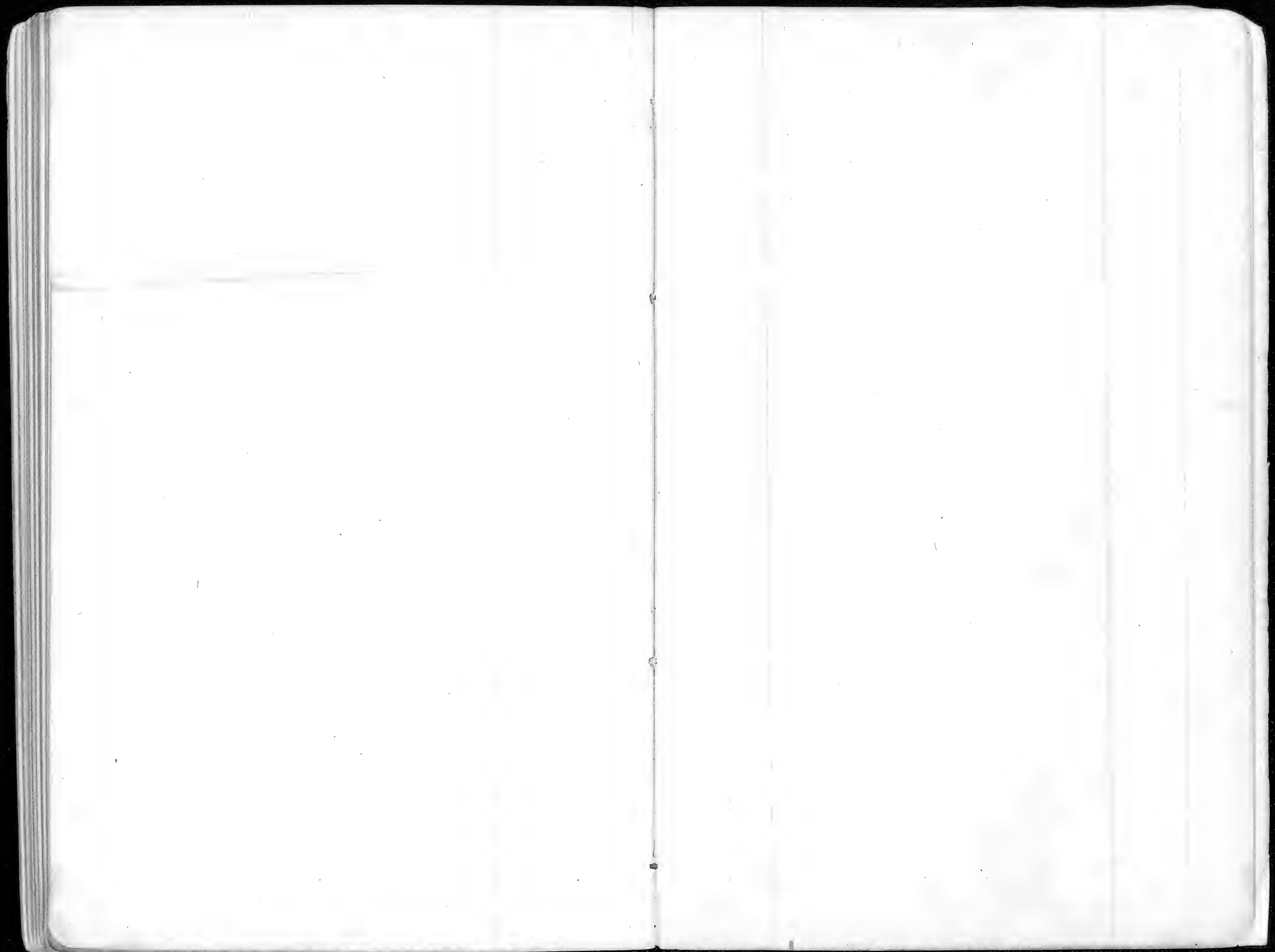






The first part of the report is a general description of the area. It covers the geographical location, the climate, and the general characteristics of the region. The second part of the report is a detailed description of the vegetation. It discusses the different types of plants and trees found in the area, and how they are distributed. The third part of the report is a description of the animal life. It discusses the different types of animals found in the area, and how they are distributed. The fourth part of the report is a description of the soil. It discusses the different types of soil found in the area, and how they are distributed. The fifth part of the report is a description of the water resources. It discusses the different types of water resources found in the area, and how they are distributed.

Area	Vegetation	Animals	Soil	Water
Area 1	...	...	...	...
Area 2	...	...	...	...
Area 3	...	...	...	...
Area 4	...	...	...	...
Area 5	...	...	...	...
Area 6	...	...	...	...
Area 7	...	...	...	...
Area 8	...	...	...	...
Area 9	...	...	...	...
Area 10	...	...	...	...



200  
 100  
 200  
 200  
 200  
 200  
 200

The main part of the ...  
 ...  
 ...  
 ...  
 ...  
 ...  
 ...  
 ...















... ..  
... ..

... ..

At 1st ... ..

At 2nd ... ..

At 3rd ... ..

At 4th ... ..

At 5th ... ..

At 6th ... ..

At 7th ... ..

At 8th ... ..

### Piney Bush

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..





Private Receipt  
~~July 20 1858~~

U. S. Treasury, deposit

For services from Aug 25, 1858

to date — days at \$ —

J. B. ...  
...

17th August  
Friday

At 10.00 AM I went to the  
shop at 41st Street to get the book

18th August  
Saturday

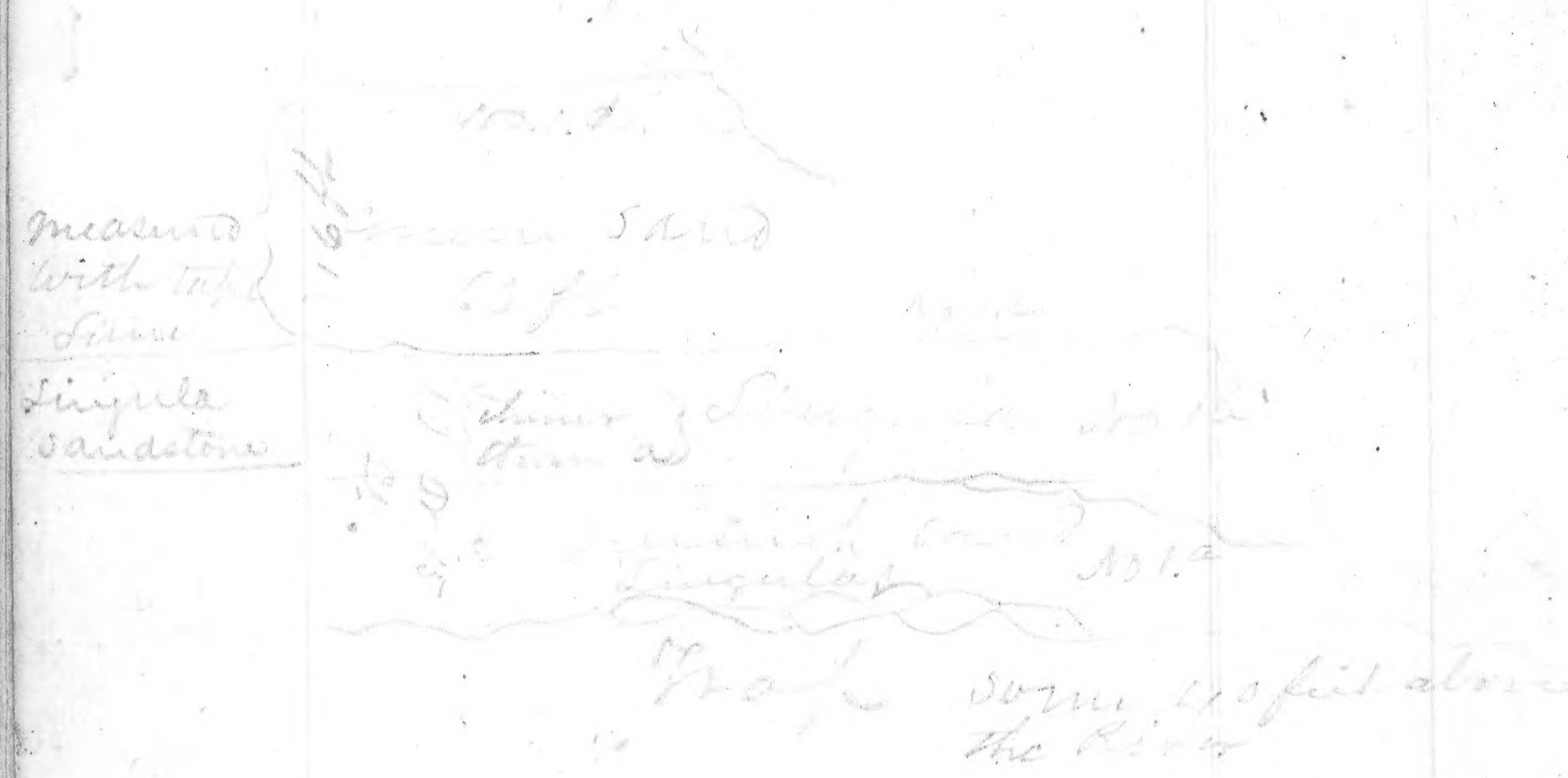
At 10.00 AM I went to the  
shop at 41st Street to get the book  
1.00

At 10.00 AM I went to the  
shop at 41st Street to get the book  
1.00

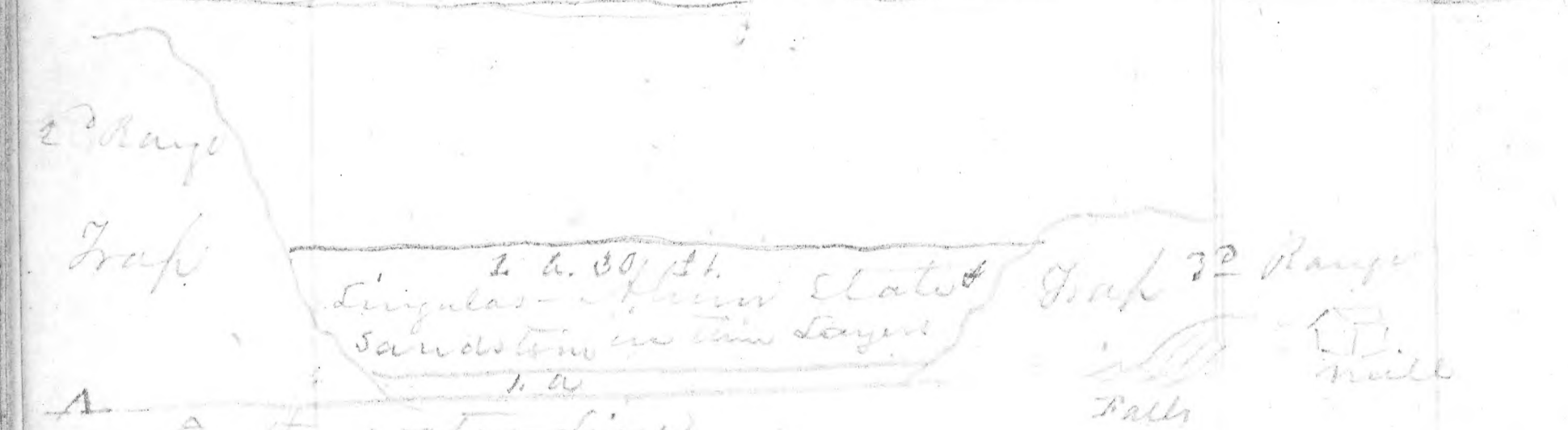


On the McKinnon farm, just above  
the mouth of the Chipewyan, I saw 5 or 6  
bushes of the fir-needle potato and  
one saw, dug off a specimen of  
ground 40 steps long & 14 inches  
300 paces across average size

Between 1<sup>st</sup> & 2<sup>d</sup> Range Trap  
 drift  $\frac{1}{2}$  of a mile <sup>below</sup> ~~from~~  
 60 The ~~main~~ <sup>main</sup> ~~is~~ <sup>is</sup> Right  
 No. 12. 50 ft Side



all dip slightly from the E. towards  
 the 1<sup>st</sup> range.



No 12 & 11 Between 2<sup>d</sup> & 3<sup>d</sup> ranges are not ~~so~~  
 so much elevated above the water line  
 as they are the superincumbent strata are  
 below the 1<sup>st</sup> & 2<sup>d</sup> Ranges. There No 12 is some  
 20 or 30 feet above the water line at the falls.  
 No 11 is scarcely above the water and the

The following fossils are included  
 Dr. Morton's List of Crit. & Cret. fossils  
 they belong according to Mr. J. (see  
 Page 14. Lyll, Fossils in America) to  
 the Coccine - of S. Carolina - viz  
 Palanus Pergrinus - Pecten Calvatus  
 P. Membranosus - Terribiatula Saehny  
 - ana, Comus gyvatus - Scutella Lyelli  
 and Echinus infulatus (Morton's synop  
 pl. 10)

Clark since sh. over the  
 Corral.  
 Sand L. Carley Baker sh.  
 Henry Anderson, Walnut sh.  
 All can direct you  
 To Mr. Bartlett  
 fall in the river is not over 8 or ten feet







Mitiss half breeds of red River  
by the Earl of Selkirk

The spiral shell often seen in the  
mountain Limestone containing a  
small Ammonite with a pentagonal  
aperture is the Euomphalites  
See Lyell Elements Vol 2, page 123.

The yellow flower with long tubular  
corolla or calyx stems called Cassin's  
rose is a species of *Erigeron*

Trimmer's Biology a good elementary  
work price 2/6

Make it out -  
"H. Loch Katrine" presents  
a more attractive outline of  
Sylvan coasts, it must be beautiful

110  
32/4  
30  
8  
7

Patridium in the ...

*P. deca*

*P. ...*

to put ...

found at ...

*H. ...*

(Cedar)

*Juniperus ...*

Virginia ...

7000  
389

2) 10700 7075

7380 75

7075

380

7283

147

3

421



