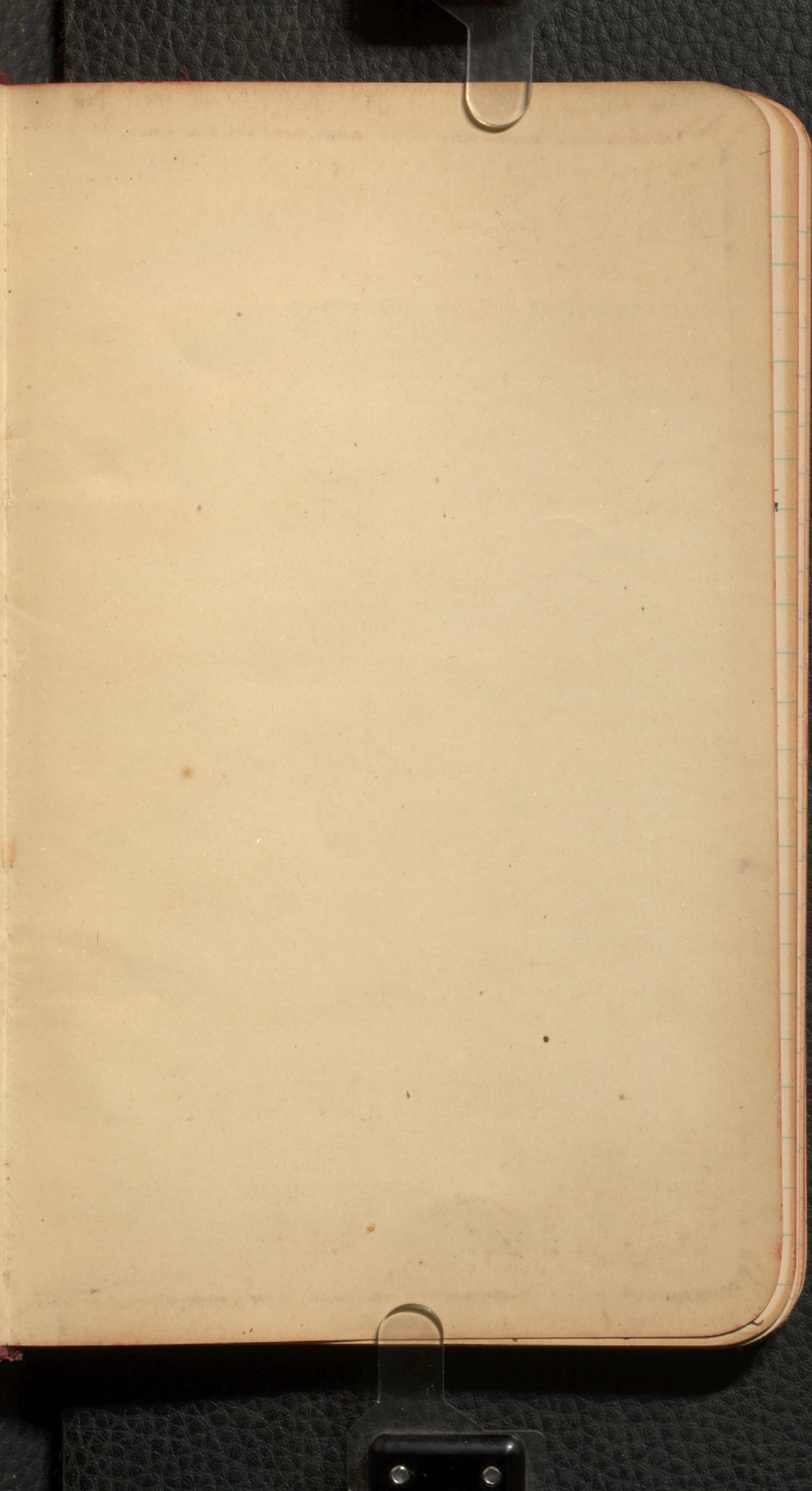
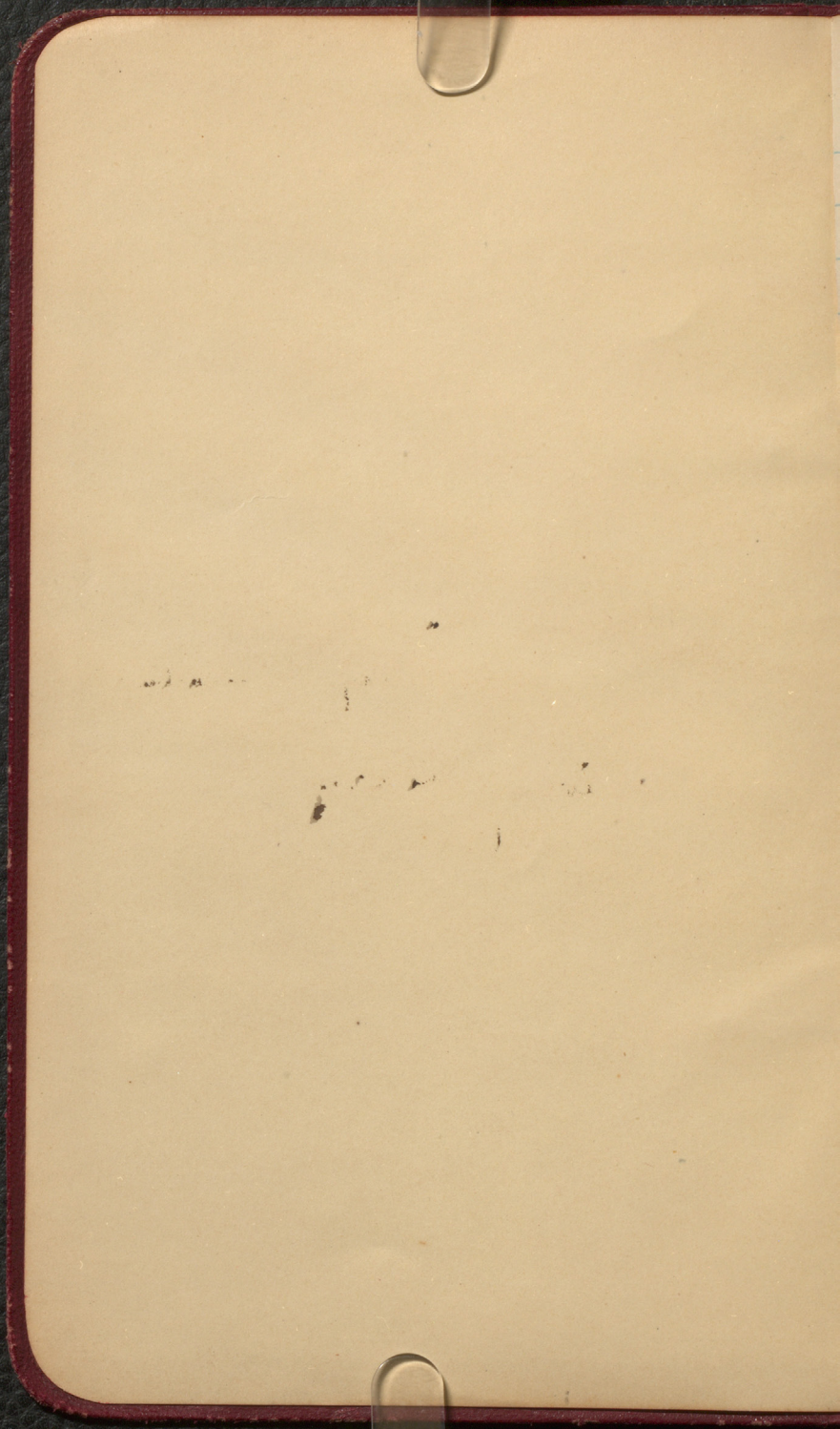


1888.

---

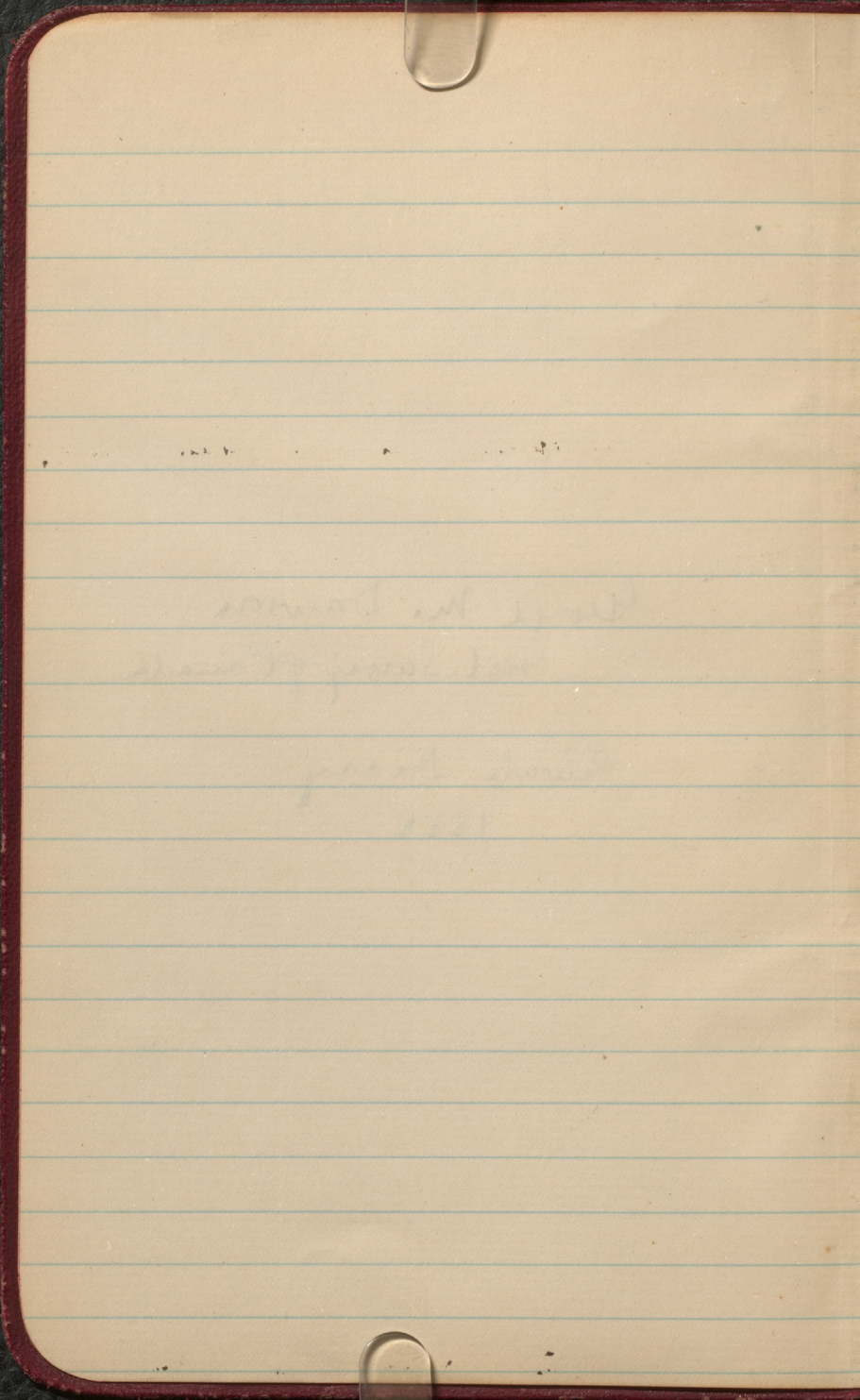
MISS. COLL. G. H. SAWSON





George M. Dawson  
Geol. Survey of Canada

Private Diary  
1888



Faint, illegible ghosting of text from the reverse side of the page, appearing as light blue or grey marks on the lined paper.

14 June. Leave Ottawa by 12:01 train  
for west, but train half an hour or  
more late.

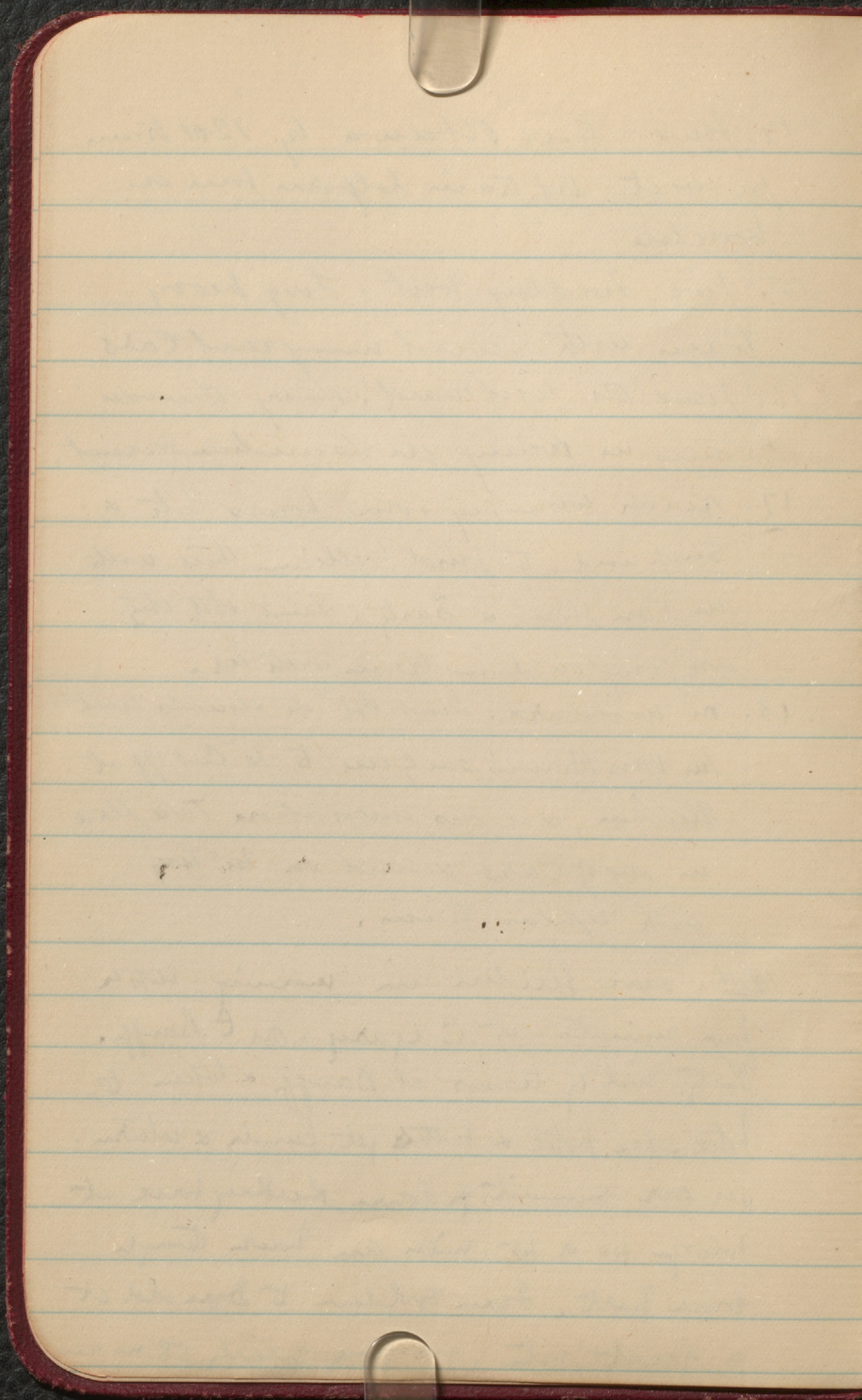
15. June. Travelling west. Long heavy  
train with several immigrant cars

16. June on westward. Heavy thunder  
storms in evening on Lacmintrand summit.

17. Reach Winnipeg some hours late &  
Surprised to find William there with  
Mr Van Home & party. Find that they  
are going on same train with us.

18. on westward. Find that the specials with  
Mr Van Home's party are to be cut off at  
Gleichen, & at his invitation take place  
in one of cars & send on Mr Long  
with regular train.

19<sup>th</sup>. Leave Gleichen in morning. Stop a  
few minutes at Calgary. on to Banff.  
Party met by train at Banff & taken to  
Hotel. See hotel & bath & get lunch & return.  
on over summit & down Rickett's bare at  
about 40 or 45 miles an hour through  
lower part. From Golden to Donald at  
a great rate, averaging nearly 58 m an





hour a running to in places. Stay  
for night at Donald.

20 June. On to Kawloops where I leave  
train & meet Mr. Long. Take up quarters  
in Grand Pacific Hotel. See Mara.  
Weather fine, showery in evening.

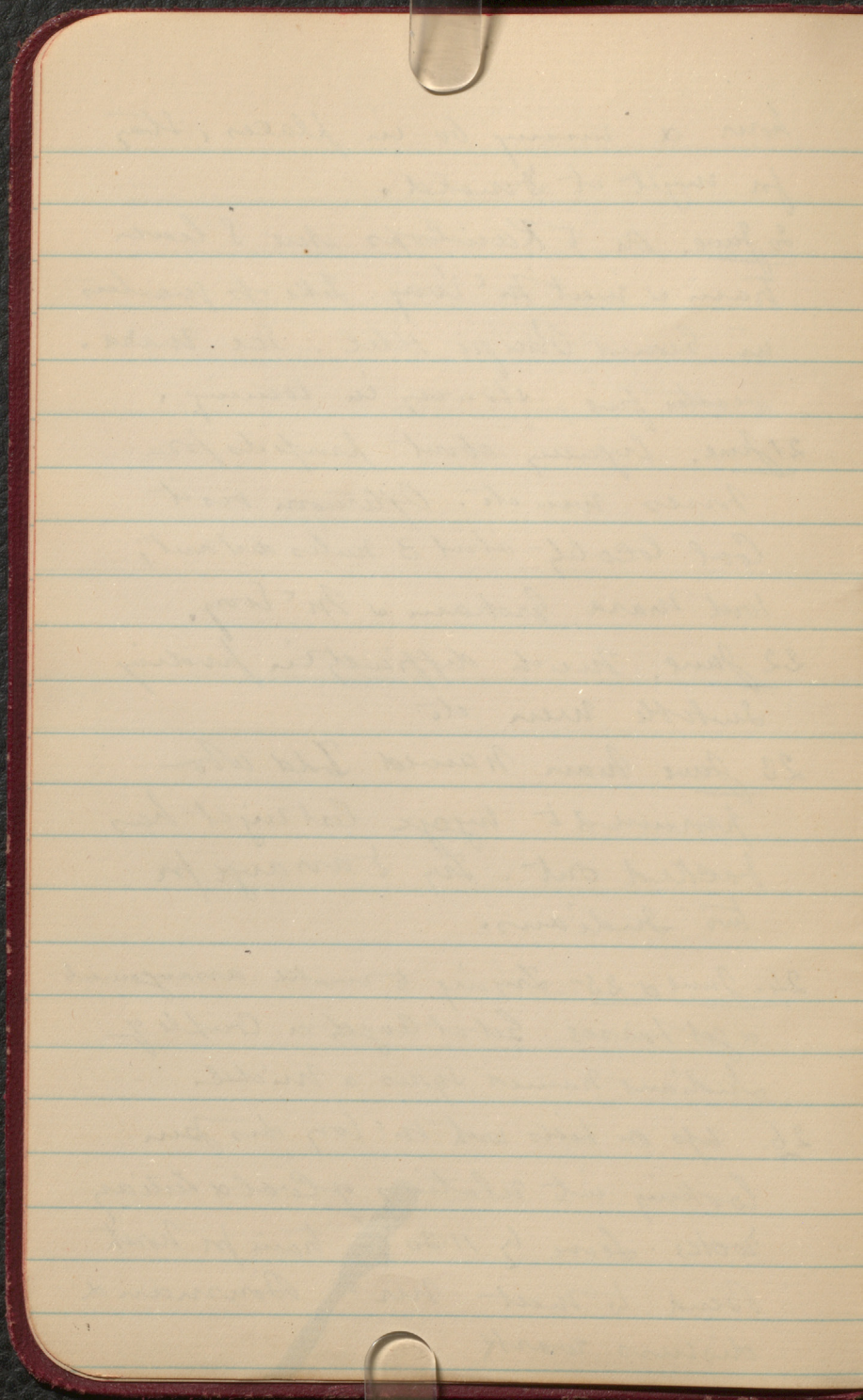
21 June. Looking about prospects for  
ores near etc. Afternoon visit  
Coal locality about 3 miles distant,  
with Mara, Graham & Mr. Long.

22 June. Much difficulty in finding  
suitable men etc.

23 June Man named Todd who  
promised to engage last night has  
backed out. Try to arrange for  
two Indians.

24. June & 25 - Trying to make arrangements  
& get horses. Get at length a couple of  
Indians named Sykes & Michel.

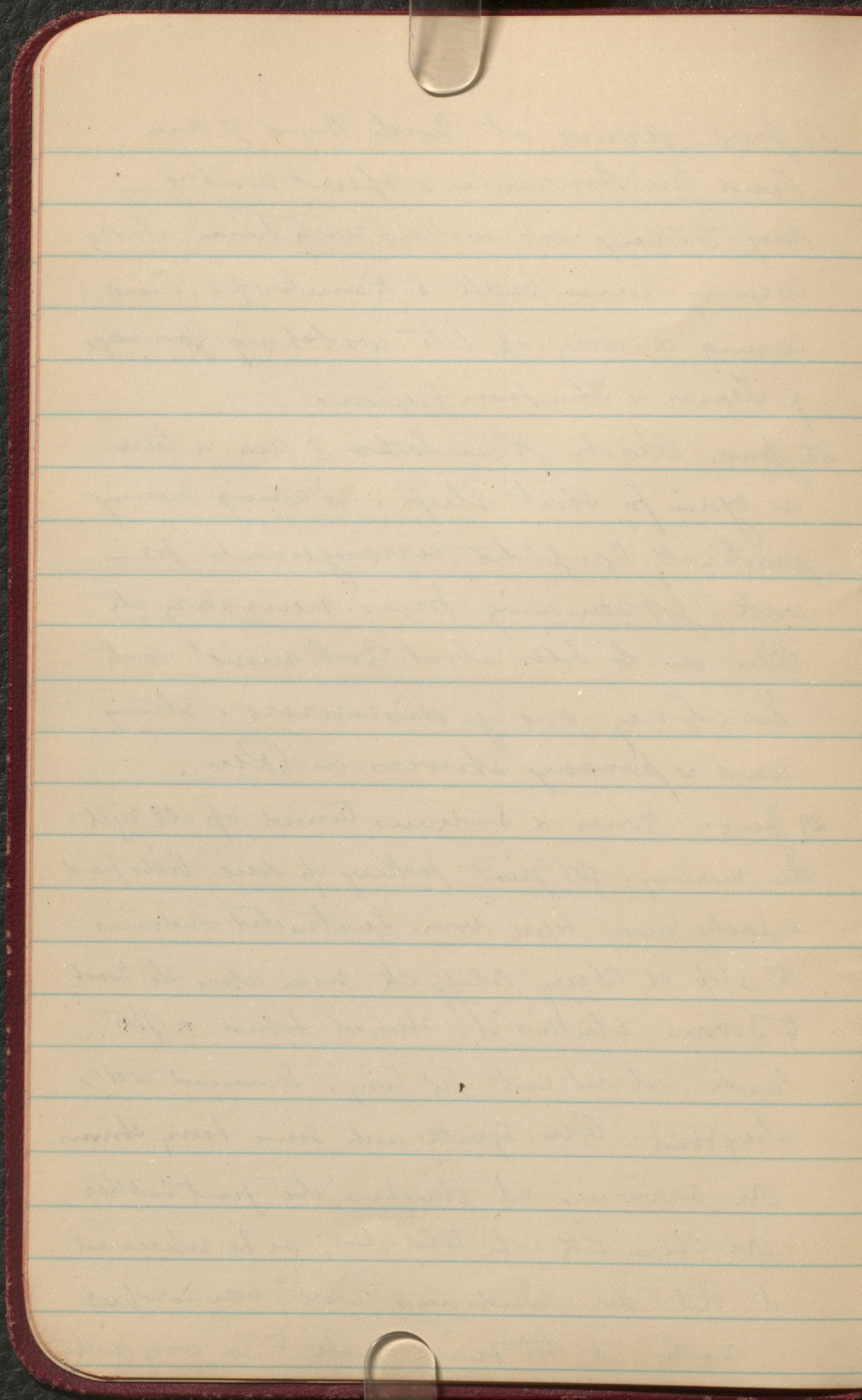
26. Up on hills with Mr. Long this forenoon  
looking into relations of Coal & Tertiary  
rocks. Leave by 11.30 train for North  
Bend to meet Mr. Bournand &  
discuss work.



27 June. Arrive at both Bend 7 am  
Find Mr Bowman & spend most of  
day talking over matters with him. Take  
evening train back to Ramboops. Fine  
evening & stay up late watching passage  
of Traver & Thompson Caves

28 June. Reach Ramboops 3 am. & turn  
in again for short sleep. During morning  
practically completed arrangements for  
work, got remaining boxes necessary etc.  
Ran on the bills about 'Cool mine' with  
his Loney one of discoverers. Strong  
wind & passing showers in P.M.

29 June. Horses & Indians turned up all right  
this morning. got final packing up done, bills paid  
& packs away before noon. Instructed Indians  
to stop at Cherry Bluff Ck near where the road  
to Savona strikes it. Stayed behind & after  
lunch set out with Mc Long. Examined rocks  
along road. P.M. squally with some heavy showers.  
On arriving at Hughes' the first settler  
on Cherry Ck, he told us, as he expressed  
it, that our Indians were "non compos  
mentis" & that being unable to go any further



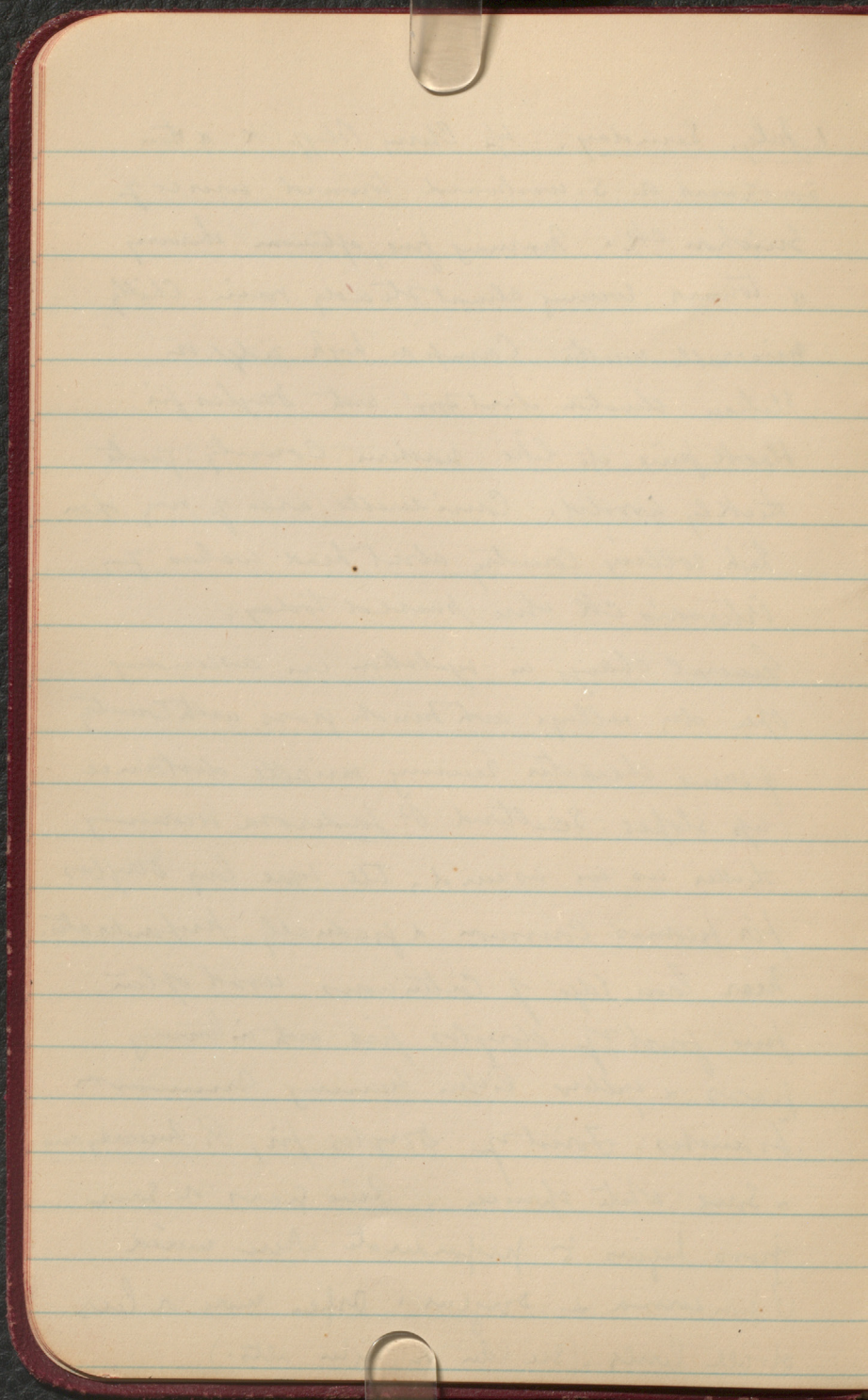
They had stopped at lower end of his fence. Soon found them both pale & evidently drunk. Everything scattered round in confusion no tents set. Had to do the best we could to get supper & leave them to recover. A Couple of packers from Rock Ck. Camped near us. Found an extra bottle of whiskey stored away among things & finally emptied it. Not a very favorable start.

30 June Decided to put in morning examining country down a T. of Cherry Bluff Ck. Indian's scarcely fit ready for efficient service. Off with Mr. Wray & so late when we came back, with appearance grain etc that decided to remain rest of day in camp & endeavor to get all little matters in running order. Collected a few plants, wrote up notes etc. Afternoon cloudy windy & chilly with lt. showers, very unusual weather for this country but much of this kind this season. Mr. Graham of H&C with Mr. Roper Mrs. Graham & sister passed this way on way to Roper's. R. very anxious that we should spend tomorrow with him but cannot see any way to do so.

Woodland  
S. of Keweenaw

1 July, Sunday.  $\frac{1}{2}$  Cherry Bluff Ck & then  
Southward or S. westward toward source of  
Guichon Ck. Morning fine, afternoon showery  
& toward evening almost steady rain. Chilly  
miserable weather. Camp on high ridge on  
plateau elevation about 7000' with Douglas fir,  
black pine etc like northern County, quite  
thickly wooded. Considerable area of very open  
high rolling country about head waters of  
Peterson's Ck where passed today.

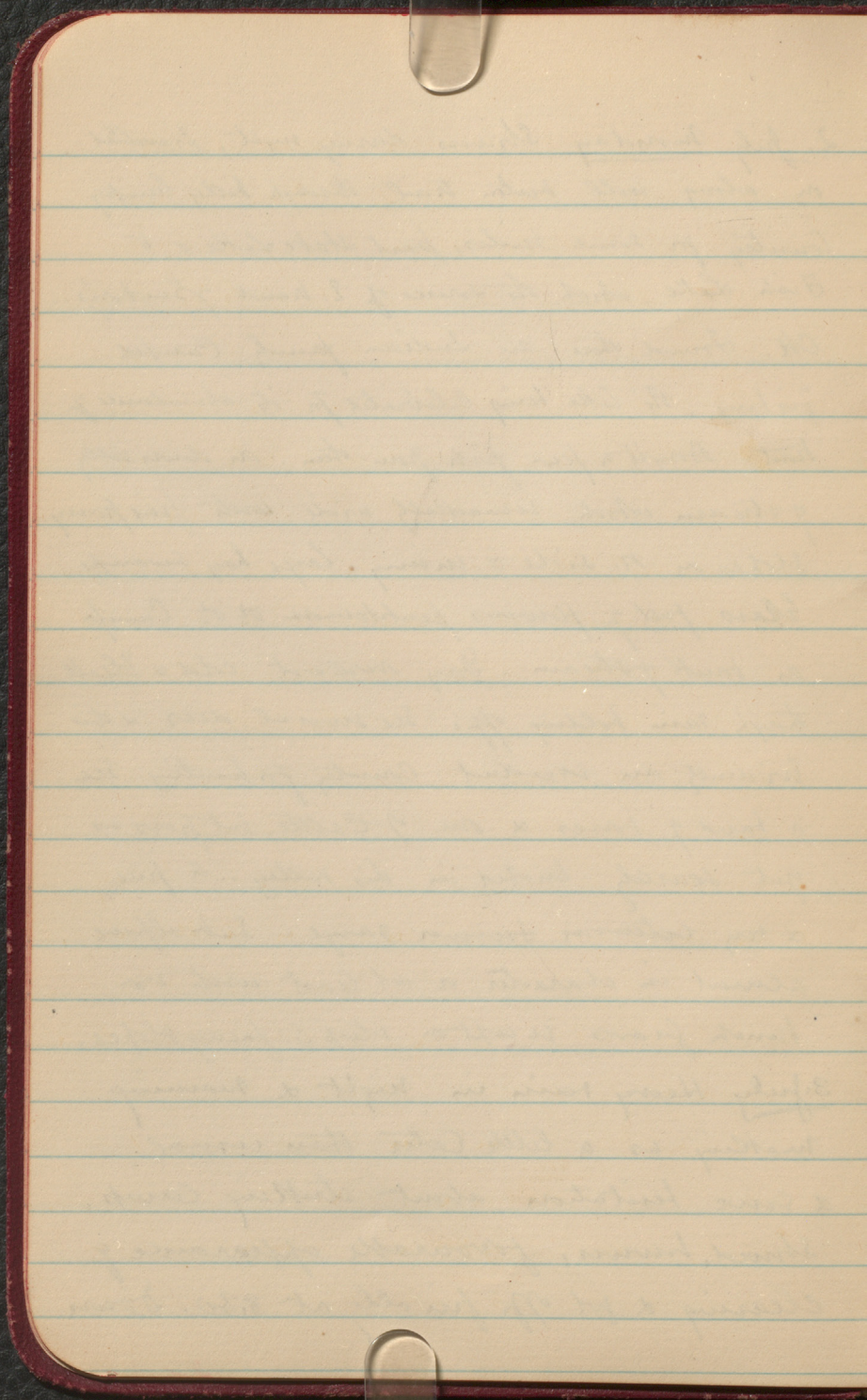
General change in vegetation in ascending,  
open dry valleys with bunch grass with country  
of same character running variable distance  
up slopes. Scattered *P. ponderosa* becoming  
thicker as we ascend, till before long Douglas  
fir becomes common & gradually preponderates.  
Near lower edge of continuous wood often  
fine forest of Douglas firs with intervening  
grass & yellow lichen bearing common  
branches. Forest of Douglas fir, *P. Murrayana*  
& some white spruce. Pine grass & some  
grass begins to preponderate where mixed  
*P. ponderosa* & Douglas. Often more or less  
at all levels. (See later for higher alts.)





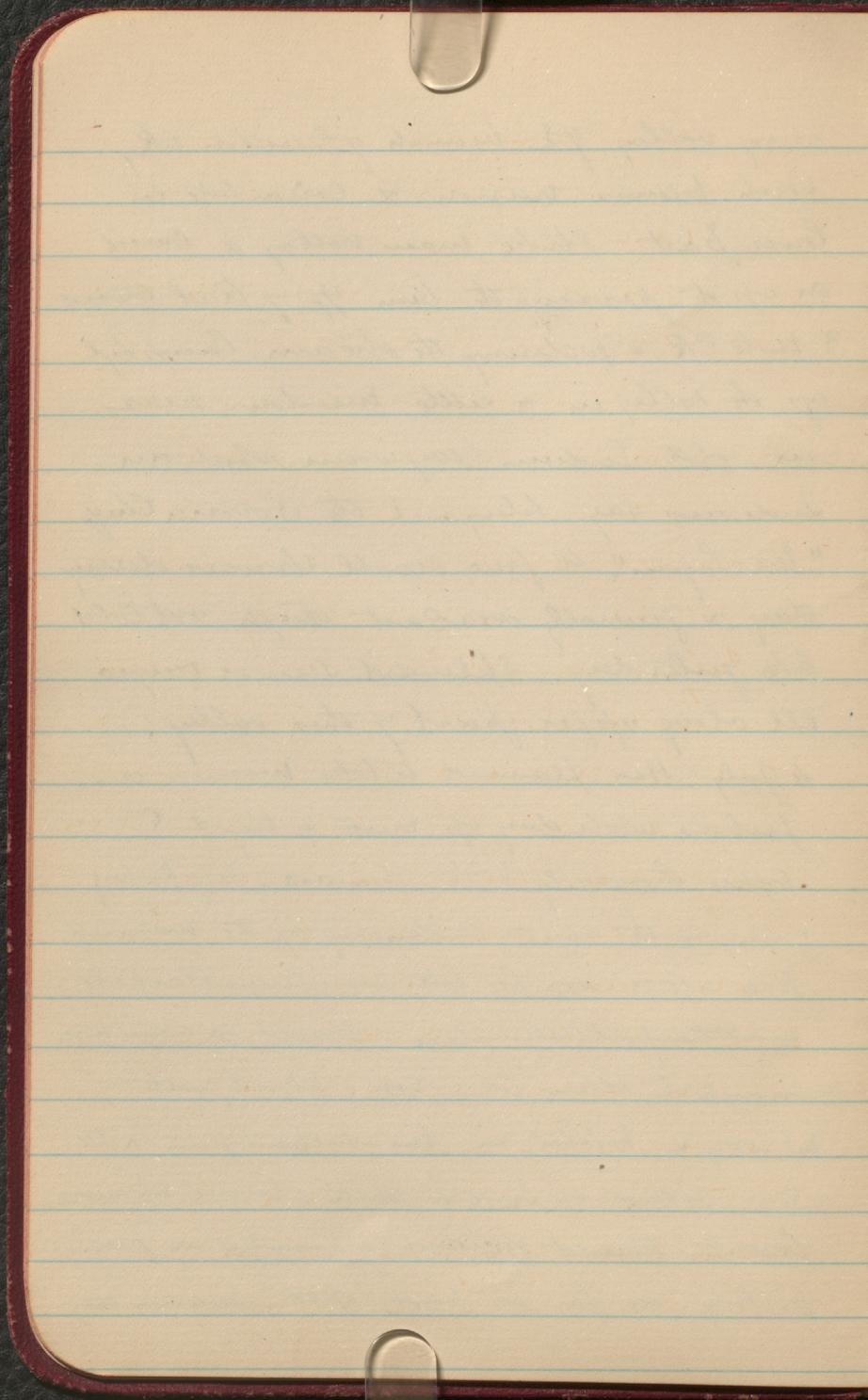
2. July, Monday Showers during night. Travelled on along well beaten trail through hilly lumpy country for some miles, past Stake Lake & to Fish Lake, which is the source of E. branch of Siniton's Cr. Found there an Indian family Camped fishing, the lake being celebrated for its abundance of trout. Bought a few fish from them. On down valley of stream which remarkably wide with fine grassy slopes on N. side & many large hay swamps. Glass full of flowers pentstemon etc etc Camp on bank of stream. Day overcast cold & bleak though rain holding off. See several deer & this evidently an excellent country for hunting. See a band of horses & one of cattle, but pass as yet scarcely touched in this valley. A fine & very extensive summer range. Sub alpine almost in character or at least with no bunch grass except on steep S. facing slopes.

3. July Heavy rain in night & morning making us a little later than usual & some hesitation about striking camp, showed, however, favourable appearance of clearing & got off finally at 8:30. Down



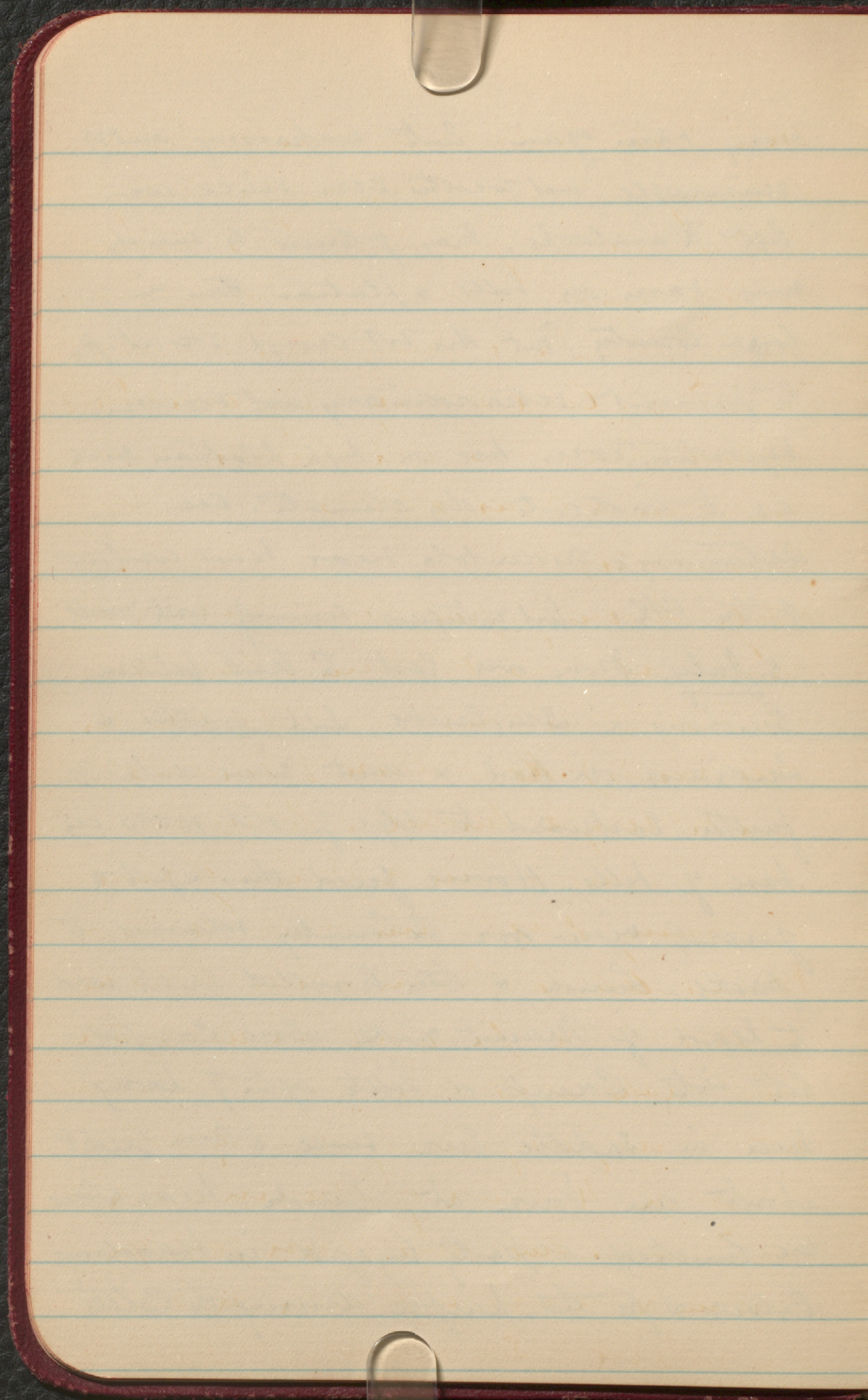
along valley of E. branch of Guichon Cr.,  
which becomes narrow & cañon like in  
lower part. Strike main valley & come  
on up it, passing the turn off of trail toward  
3 Mile Cr. & following the stream. Camp high  
up the valley in a little meadow near  
an old Indian wigwam which our  
Indians say belongs to the Sorona Chief  
"Mr Logan". A few small showers during  
day & generally overcast though not cold  
like yesterday. Splendid summer ranges  
all along upper part of this valley.

4 July. Had planned to take morning on  
perhaps whole day up creek valley & to  
explore thoroughly to its source. Very heavy  
rain in the night, continuing in the morning.  
Did not get up till late, considering blankets  
not comfortable place. Cleared up about noon  
enough to allow lat. obsn. Set out with  
McEvoy & Michel in pm & spent pm 1 till  
5:15 riding up creek & back. Several showers.  
Country turned very rough & prevented us from  
getting as far as had hoped. Evening very



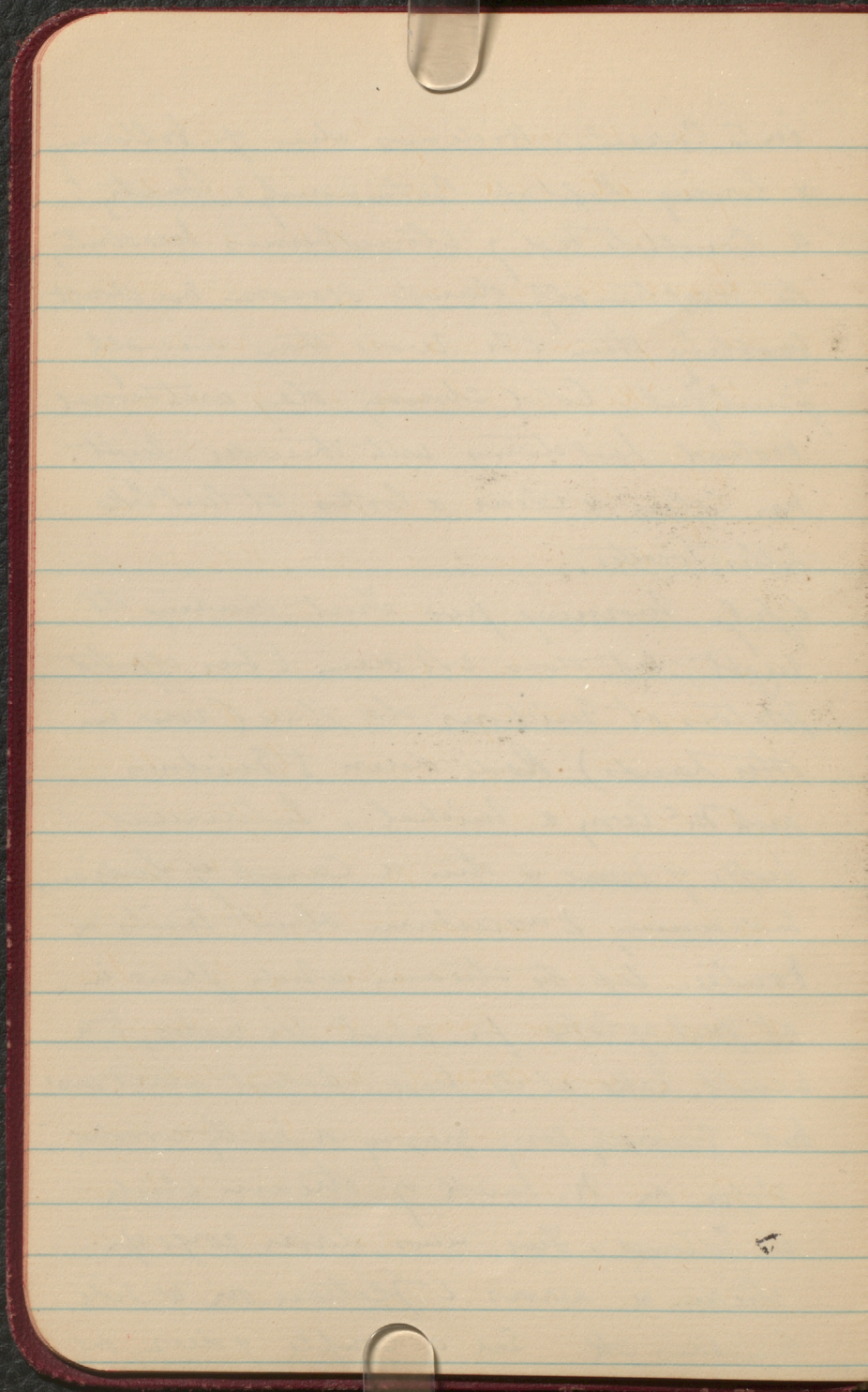
heavy rain again, quite surprising and of  
miserable wet weather ever since we  
left Rambocks. May of course be much  
more rain on hills & plateau than in  
lower country, but this not enough to set off  
the present extraordinary wet season,  
vegetation even here on high plateau such  
as to indicate dry climate. See  
*Artemisia tridentata* near head waters  
of the CK. but interferes seriously with work.

5. July. Drove over east to trail between  
Quichori's & Sm. Creeks. Left packs &  
Indians on trail & went some distance  
further eastward to edge of old rocks in  
base of hills. Having fixed this & got a  
general view over the country, returned to  
packs. Lunch, & then travelled southward  
to head of Mamit Lake, where camped.  
Got into camp a little after 7, having  
been in saddle ever since 8 am except  
about an hour at lunch. Near where  
we lunched a party engaged in branding  
Calves & for that purpose driving the Cattle



into Corral. Hideous din of bellowing  
& howling kept up continuously. Country is  
a complete bed of strawberries hereabouts,  
the exceptionally damp season no doubt  
boosting them to more than usually  
fruitful. Cold stormy day with several  
violent hail storms with thunders. Night  
very calm & clear & looks at last like  
better weather.

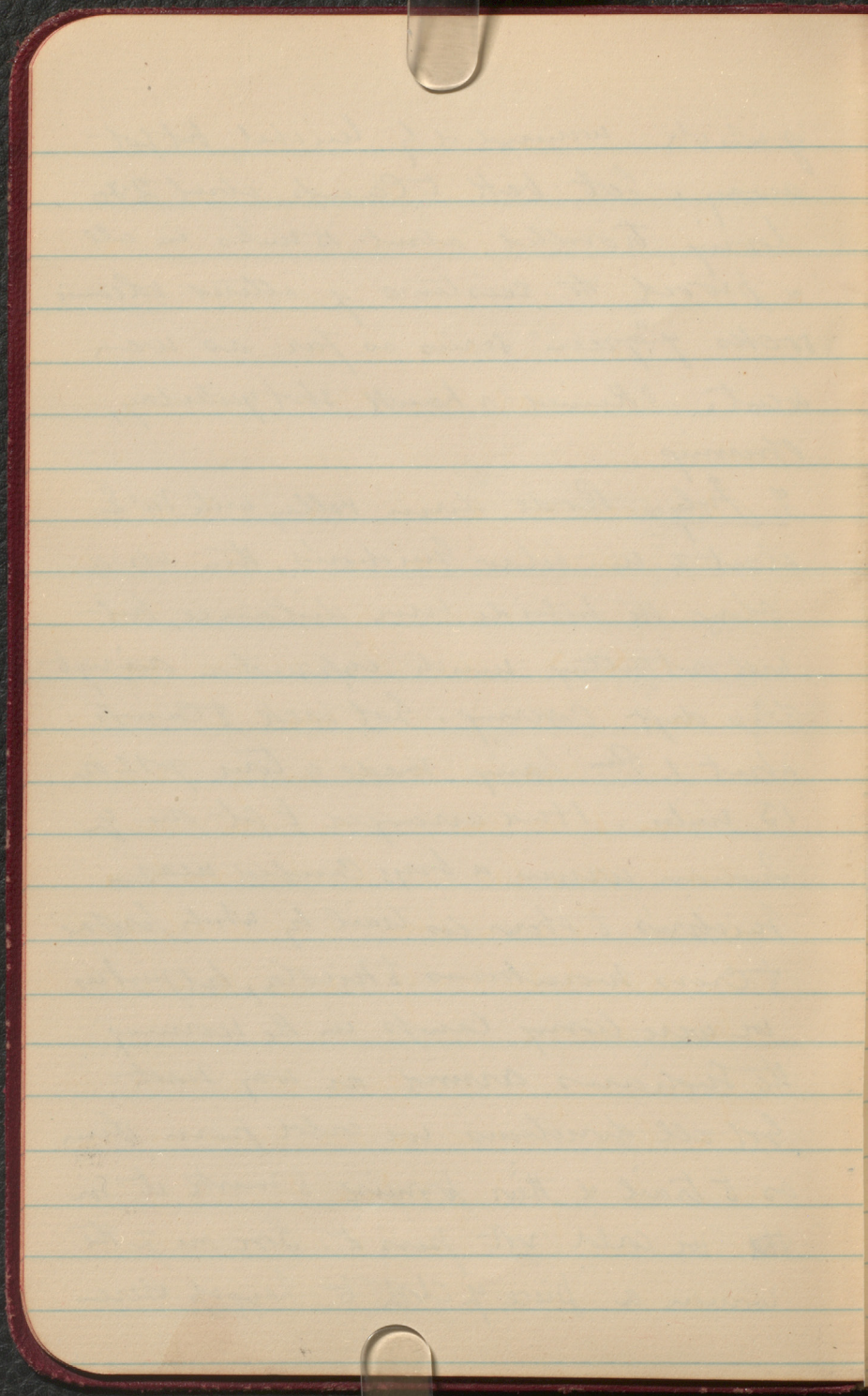
6 July. Warming fire kept during the  
night, but does not seem to have affected  
potatoes at Guichon's old place (now in  
other hands). Rode down to Guichon's  
with Mr. Long & Michel. Interviewed  
people of home & then a Camp of Indians,  
endeavouring to ascertain about trails &  
routes. Up the stream which flows in  
at foot of lake for about six miles, to a  
small lake at its head. Ascent about 1000  
but generally very grassy or partly wooded  
slopes on N. bank of stream which  
we followed. Fine view down gorge of  
stream & across to plateau on W side  
Guichon's Ck. See a couple of deer, one





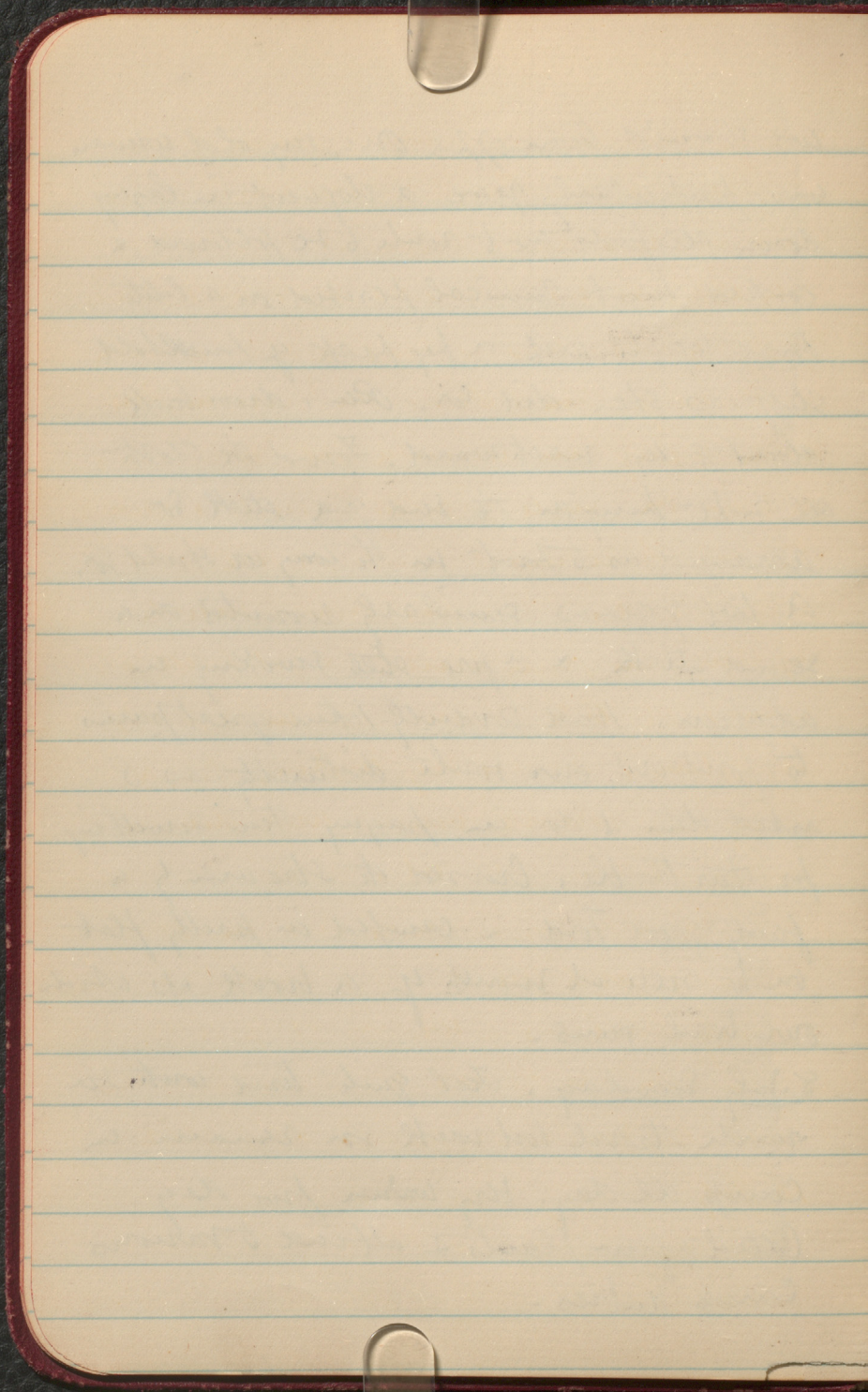
which wounded by Guichel, but got away. Got back to Camp about 2:30 having travelled about 15 miles in all & proved the existence of altered volcanic rocks of "green" series as far as we went. Skinned a hawk shot yesterday, evening

7 July. Rode down valley with M & E about 4 m. below Guichel's, then up & along the hillside same distance, but without getting much information owing to deep drift covering. Got back to Camp about 1 Pm having made a tour of 12 or 13 miles. Had arranged to get one of Indian women & boys camped near Guichel's to show us trail by which I propose to cross mountains to Nicola, but just as we were leaving camp in the morning the Indians arrived on way north. Got all directions we could from them as to trail & their promise to mark it so that we could not miss it. Gave me of the women a piece of cloth to hang up where



we should turn off. One very old woman  
was particularly good a slopout in laying  
down all facts as to route to be followed, &  
looked most Comical perched on a little  
box together with a big back of household  
stuff as she did so. Ben, drove back  
about 8 m. northward. Found the cloth  
all right hung on the end of a stick so  
arranged us to point in the way we should go.  
A tuff of grass similarly mounted on a  
second stick & a fire still smoking in  
addition. Had evidently taken great pains  
to point out our route distinctly as I  
asked them to do in paying them something  
for their trouble. Crossed the stream by a  
fairly good ford & camped on pretty flat  
on the side at mouth of a brook up which  
our trail runs.

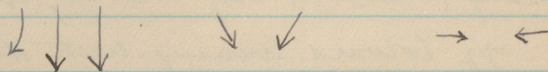
8. July Sunday. Feel quite tired with so  
much travel but week so remain in  
camp all day. Very warm fine day  
Collected a few plants & attended to various  
camp duties.



9. July. Monday. Get away from camp at 7.30 this morn. Travel up stream to westward, which propose to name Witches' Crk after the old lady who gave us directions for the route. Find two pretty little lakes at head & stop for lunch near one of them. Drive two bears in Pen & then seeing an accessible mt. well placed for view in angle of valley, decide to ascend it. Tell Indians to Camp at first good place ahead. Get a fine view & much information from summit & get back to camp at 6.20, honey hot in a pretty long day, weather very warm, though cooling off toward evening with thunder storms dodging about. Several log houses supposed to belong to Indians in valley followed with much good swamp meadow & grassy hillsides. Evidence of a little cultivation on lakes w. of summit in valley but no crops put in this year.

10 July. Tuesday. On down valley, but before long find that it is leading us to the Thompson & not to the Nicola as we had

Glaciation, general, of 77 maps. Direction  
 observed on Cinder Mt. 9 July about S.E.  
 Probability that when glacier at maximum  
 moved directly down main valley of country  
 hunting out through gaps in Coast Range.  
 Later, declining, moved obliquely ~~down~~  
 South but round & South westward from  
 mts at sides toward centre of valley. Lastly  
 hunted directly at right angles from ranges  
 down valleys etc. toward Centre of main  
 valley, thus. —



During max. of gl. conditions valleys of  
 mts etc large & important though they  
 are, appear to have had no effect on  
 general ice movement, which then conformed  
 itself to general slopes of Country in  
 broad way.

supported. This, however, equally useful for  
my purpose & to keep on, climbing on bank  
of Thompson, after making a long steep descent  
over benches etc to valley bottom. Sent packs on  
in Pm to Camp on Creek about 4 m. above  
Spencer's Bridge. Followed slowly with McE.,  
examining rocks along valley, & got into camp in  
evening. Camp pitched on little rocky terrace at  
side of Creek, dry, dusty & too much Cactus.  
Saw a couple of deer this morn., while looking for  
rocks a short distance ahead of packs. Shot  
one, which quickly butchered. Took best part of  
med-day with us.

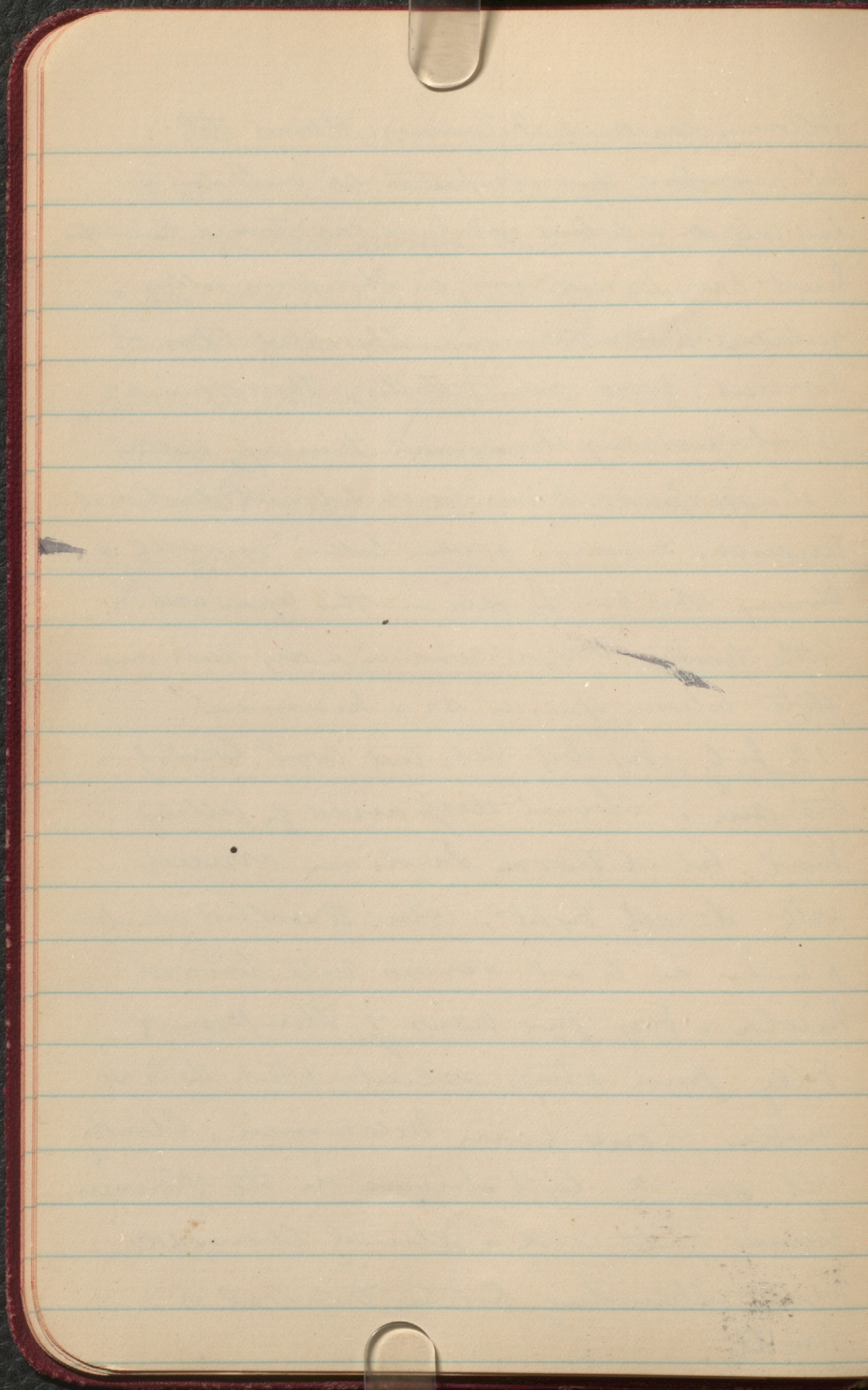
11 July, Wednesday. Traveled on down valley  
to Spencer's Bridge. Got a few articles needed  
from Mr T. Murray, put them on packs &  
sent packs & Indians on to Camp at  
Nicoamen, twelve miles further down.  
Telegraph & Kamboops to have mail sent  
on by tonight's train to Spencer's Bridge, & arrange  
with Murray to have it sent to Nicoamen  
by Indian messenger in the morning. Stay  
for dinner at Murray's & start at 3 Pm

When all high parts buried under  
ice must have taken direction according  
to general slope of County & areas of mts.  
& mtn. precipitation etc. Later, each  
elevated region according to its extent &  
quantity of snow gathered became  
Centre of radiant pressure & general  
motion of ice remnants for complex  
of effects.



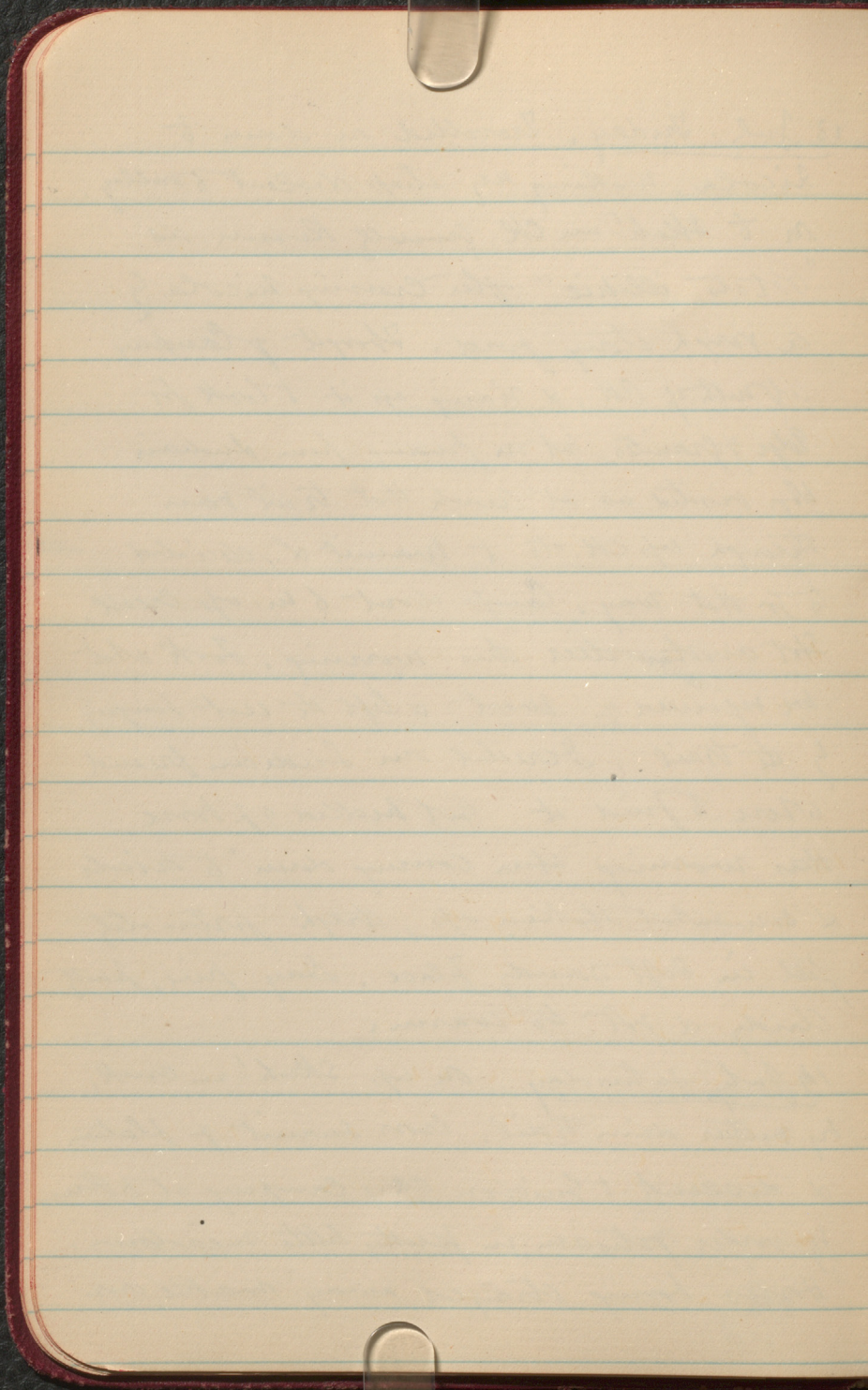
following packs to Nicovamen. Found that  
Bellicum had been at Spences Sr yesterday &  
had gone on up line on hand car toward Kaulrops.  
Must have passed him in Thompson valley  
yesterday without knowing. Delayed him at  
Sovinas. wrote note to Foster. Three officers of  
Salvadorian army staying with Murray, making  
a strange party. Dinner concluded with devotional  
exercises. Murray's garden looking very well &  
showing that can be done in this region with a  
little trouble. Wagon road in a very ruinous  
state between Spences Sr & Nicovamen.

12 July. visited reputed cool locality  
this am. Almost despaired of getting  
mail, but at noon Indian arrived  
with it - all right. Rem. travelled about  
6 miles on trail across mts, toward  
Nicola. very fine views of Thompson R  
valley from steep ascent which the trail  
makes above from Nicovamen. Cloudy  
all day & light showers in the afternoon.  
Evening quite cold & extremely changeable.  
Weather alternating between tropical &  
brilliant.



13 July. Friday. Travelled on down to Nicola, making my steep descent to valley, on to Skuh'-un Cr., generally known as "Potato illikie" after crossing Nicola by a rough stony ford. Thought of camping about mth. up Cr. & riding up it to look for Edge of granites, but on finding from Indians who visited us at lunch that trail ran through up Cr. etc to Wamit & I decided to go that way. Camp about 6 m. up Creek. Shot another deer this morning. Took what we required of meat & left the rest hanging by the trail. Directed our Indian friend where to find it. Got backed up horse this morning after coming down to Nicola & somewhat shaken up, though fortunately fell in soft sandy place. Day fine, partly cloudy & not too warm.

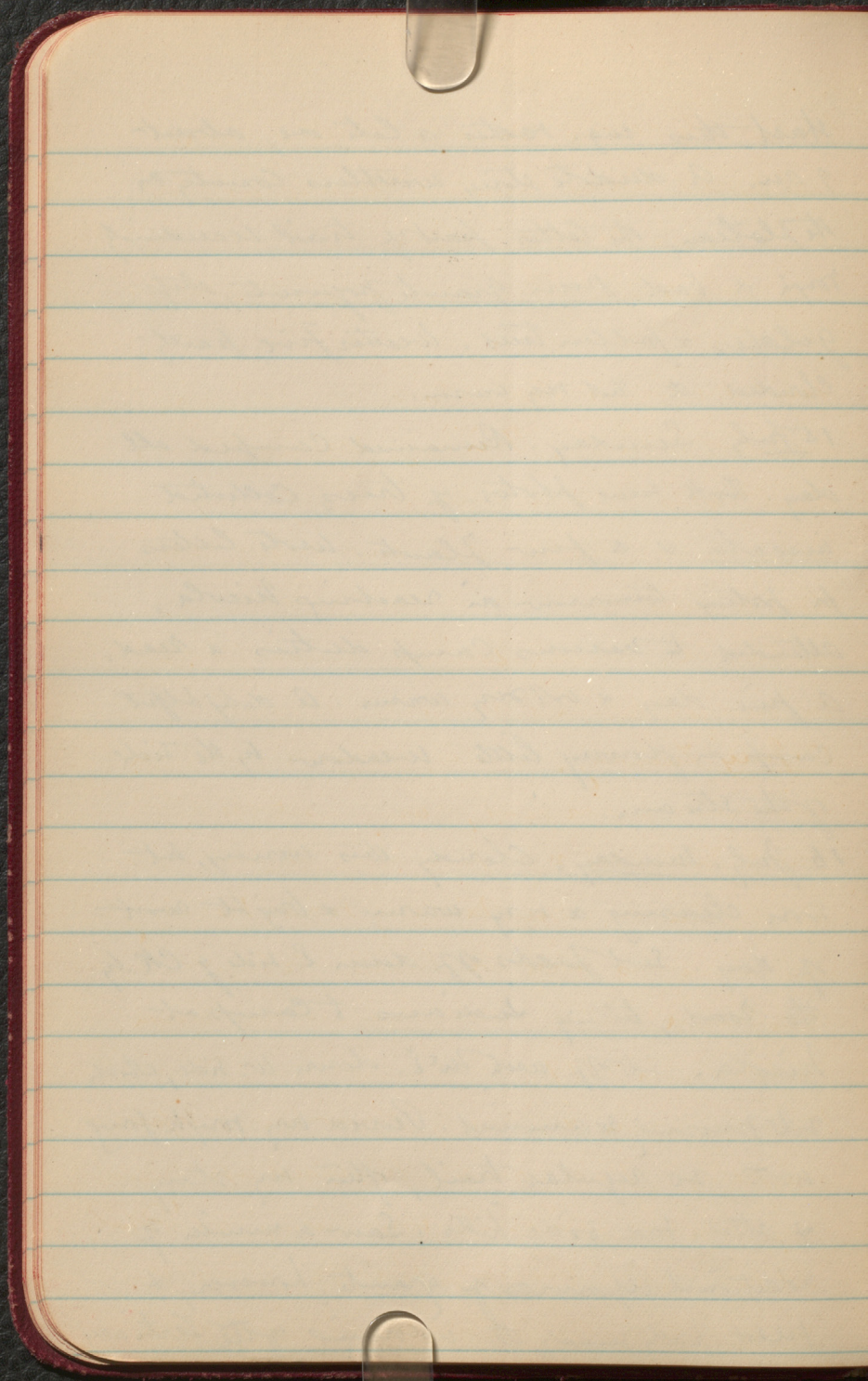
14 July, Saturday. On up Skuh'-un creek, by rather dim trail. Cross summit of plateau & descend to Guichen Cr., camping at 6 P.m. by border of stream in pretty little meadow. Horses having strayed away make our



start this morn. rather a late one, about  
9 am. A desolate stony worthless country on  
the plateau, the latter part of trail exceedingly  
rough & bad from granite fragments, steep  
gulches & fallen trees. Weather fine, partly  
clouded & not very warm.

15 July. Sunday. Remained camped all  
day. Took some photos. of trees, collected  
insects & a few plants. Wrote letters  
for posting tomorrow on reaching Nicola.  
attended to various camp duties & read.  
A fine day & not very warm. A delightful  
camp on a flowery little meadow by the side  
of the stream.

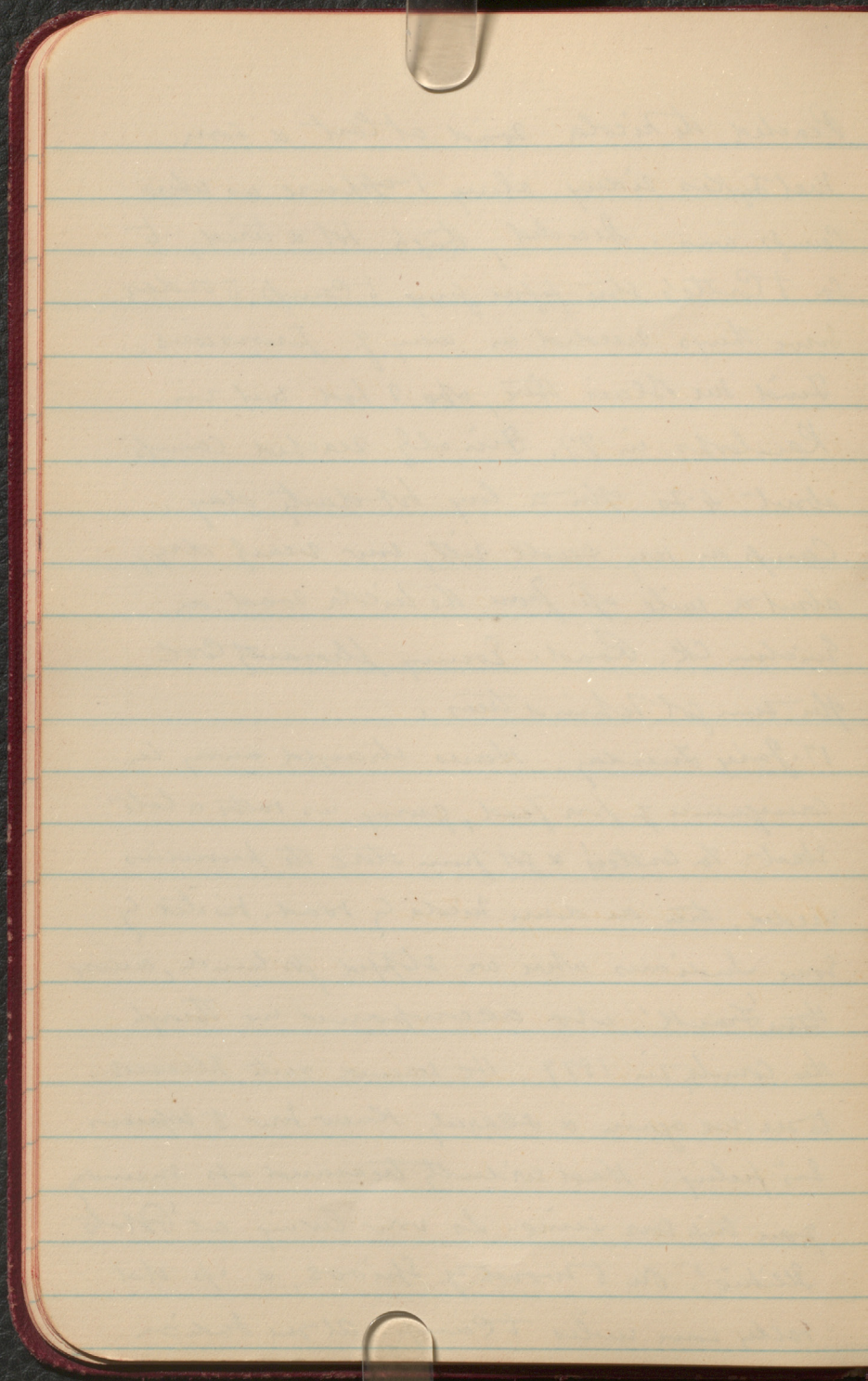
16 July. Monday. Cloudy this morning, but  
soon clearing & very warm & bright most  
of day. Sent Jacks off down E. side of CR. by  
the road, telling Indians to camp at  
Nicola. Set off with W.E. down W. side, which  
I'd previously examined. Passed very rough going  
with no regular trail, often very stony  
& steep bad side hills. Saw a number of  
additional exposures of granite, however, &  
passed pretty nearly the incoming of the Tertiary



Reached the Nicola road at last & soon  
met Sykes riding along to oppose us where  
Camp was. Decided, though hot & tired, to  
go to Cattle's store before going to Camp to order  
some things needed in way of provisions.

Found Mr Blair there, who I had met in  
Kamloops in 77. Finally reached Camp  
about 4:30 after a long hot dusty day.  
Camp on very small hill, now nearly dry,  
about a mile up from the Nicola road on  
Quicker Ck. Road. Evening pleasantly cool  
after sun got behind trees.

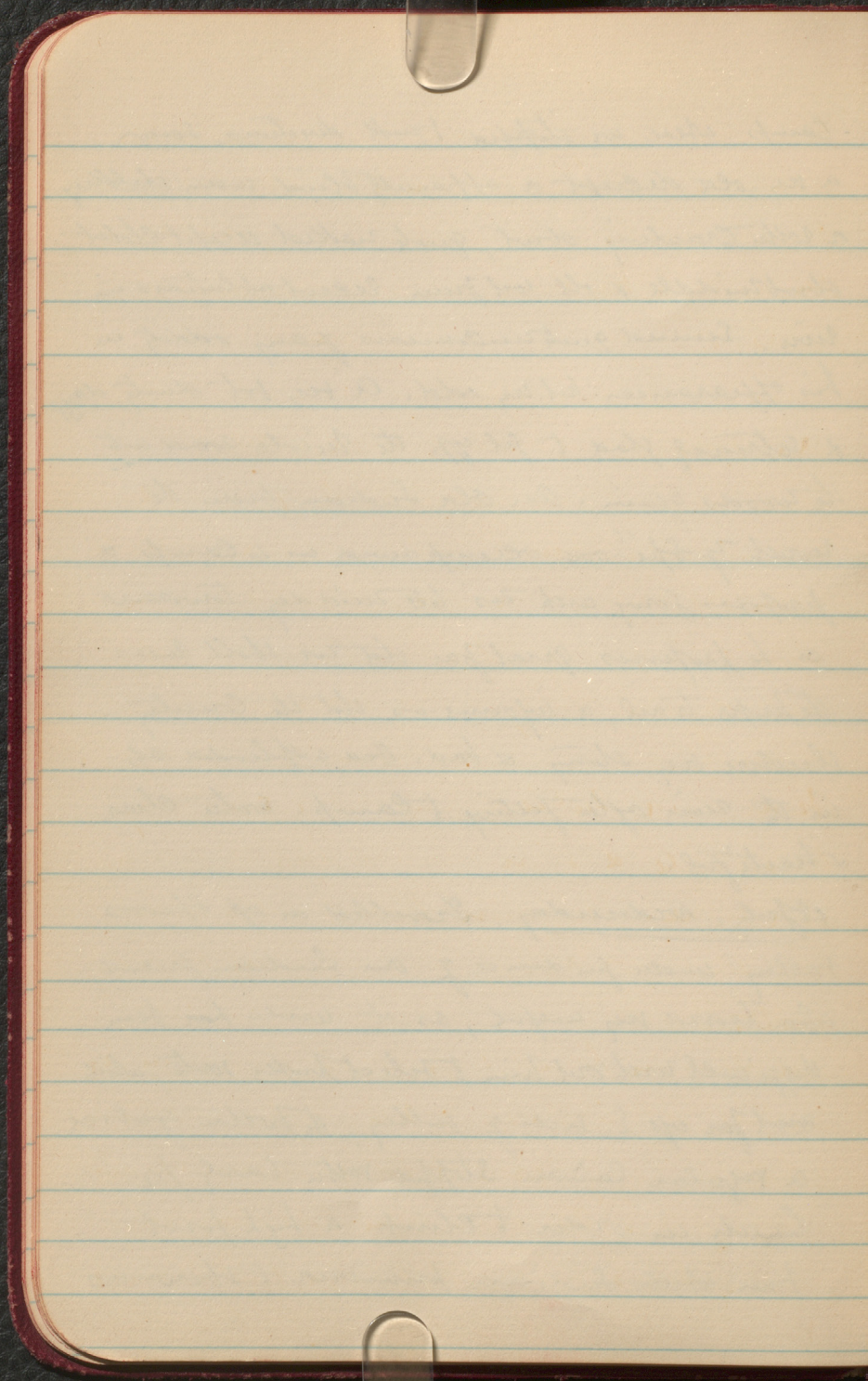
17. July Tuesday. Horses strayed away in  
consequence of poor feed, gave us rather a late  
start. To Cattle's & got from store the provisions  
needed, then on down Nicola by road. Visited by  
some Indians where we stopped for lunch, among  
them 'Frank', who accompanied me through  
this country in 1877. He seemed quite pleased  
to see me again & scarcely knew how to express  
his feeling. Had evidently treasured up memory  
of our trip ever since. Is now living at 'Bates  
Illinois'. On to mouth of Spoons, & up that  
valley some miles to Camp. At one Indian





Camp where we stopped took directions, saw  
a very old decrepit & apparently blind man stalking  
a rather crawling about, quite naked except locket  
about middle & all wet from recent oblations in  
river. Seemed quite unconscious of any oddity in  
his appearance but very odd. A very hot dusty day,  
& extremely glad to get off the Nicola road into  
the woods again. An old Indian from the  
mouth of Spic-oos accompanied us to camp &  
proposes going with us till mid day tomorrow  
as he proposes great pay that we shall miss  
the proper trail, & informs us that the country  
elsewhere very stony & bad. Had a splendid dip  
in the river after getting to camp. Water clear  
& beautiful.

18 July, Wednesday. Traveled on up Spicoo  
Valley under guidance of our Indian friend,  
who proved very useful, as it would have been  
difficult without him to select proper route, which  
went for up E. side of valley, the bottom of which  
a regular Cañon. Stopped rather early for  
lunch in order to climb a high point  
from which Indian promised to show us



the whole country, & got some good information  
from it. offered to pay him to go with us  
somewhat further, which offer readily accepted.

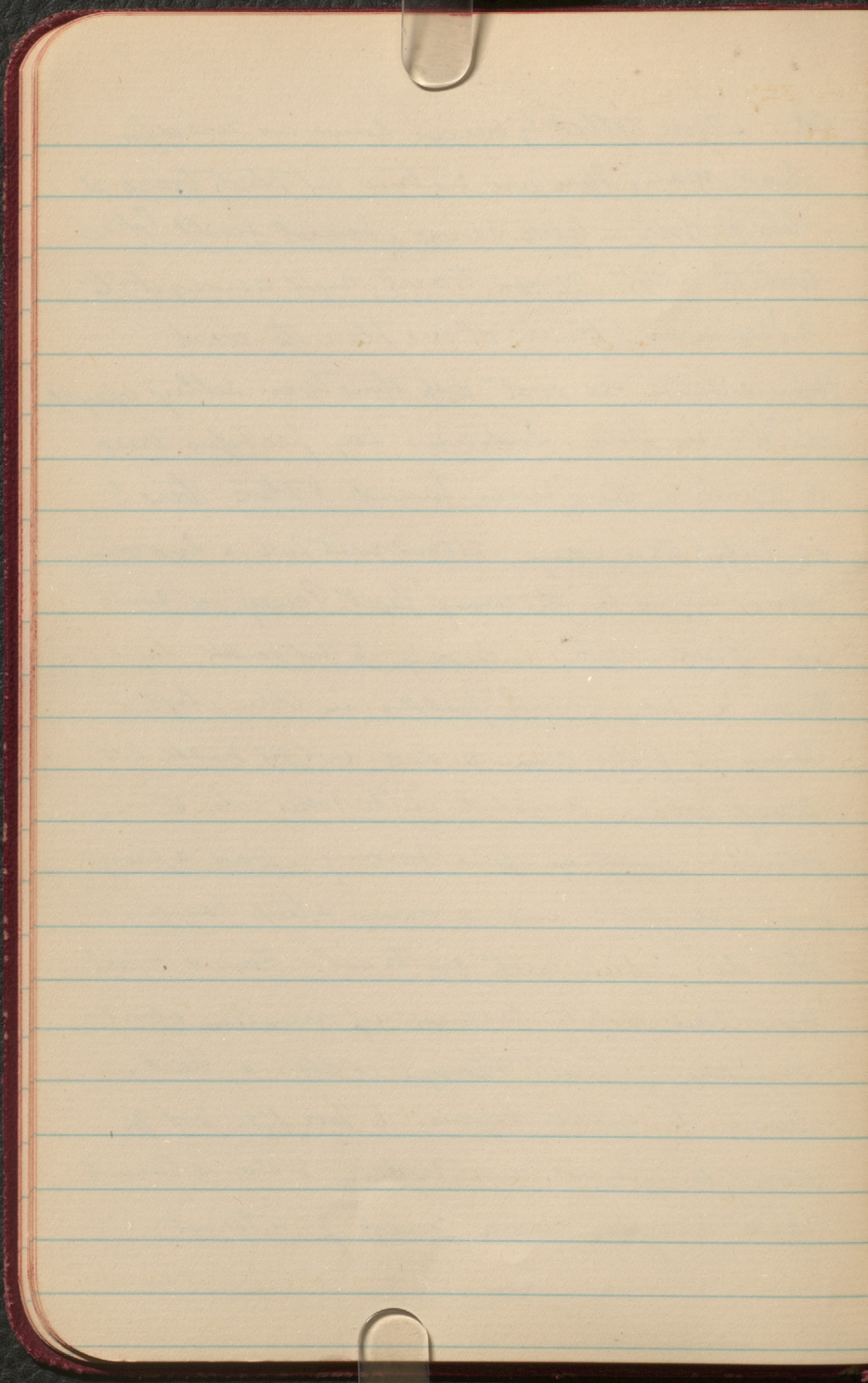
Ben. made a very rough descent, dangerous for  
packs, to Spoons, crossed, & climbed the other side,  
settling by camping three days with up Prospect  
Ck. Going all exceedingly rough & difficult &  
country becoming more wooded. Day very hot &  
dry. but fine. Saw a couple of deer & got shots  
at them but without success. Splendid feed on  
higher parts of hills. No definite trail went  
time up this valley & old man bear prints  
at fault, having got out of his best opponents.  
Near dark McEvoy went out a short way  
with rifle & soon returned with a fawn  
& a lynx. The fawn turning out to be one I  
had shot at - & being wounded in one fore  
foot.

our Indian friend says that the mountain on  
E. side of Spoons opposite mth. of Prospect Ck. is  
rather for grizzly bears & that Indians afraid  
to go there. The bears often have their cubs  
there. Says also that a high mountain or  
rather plateau at the very head of this (Prospect)

Ind. |

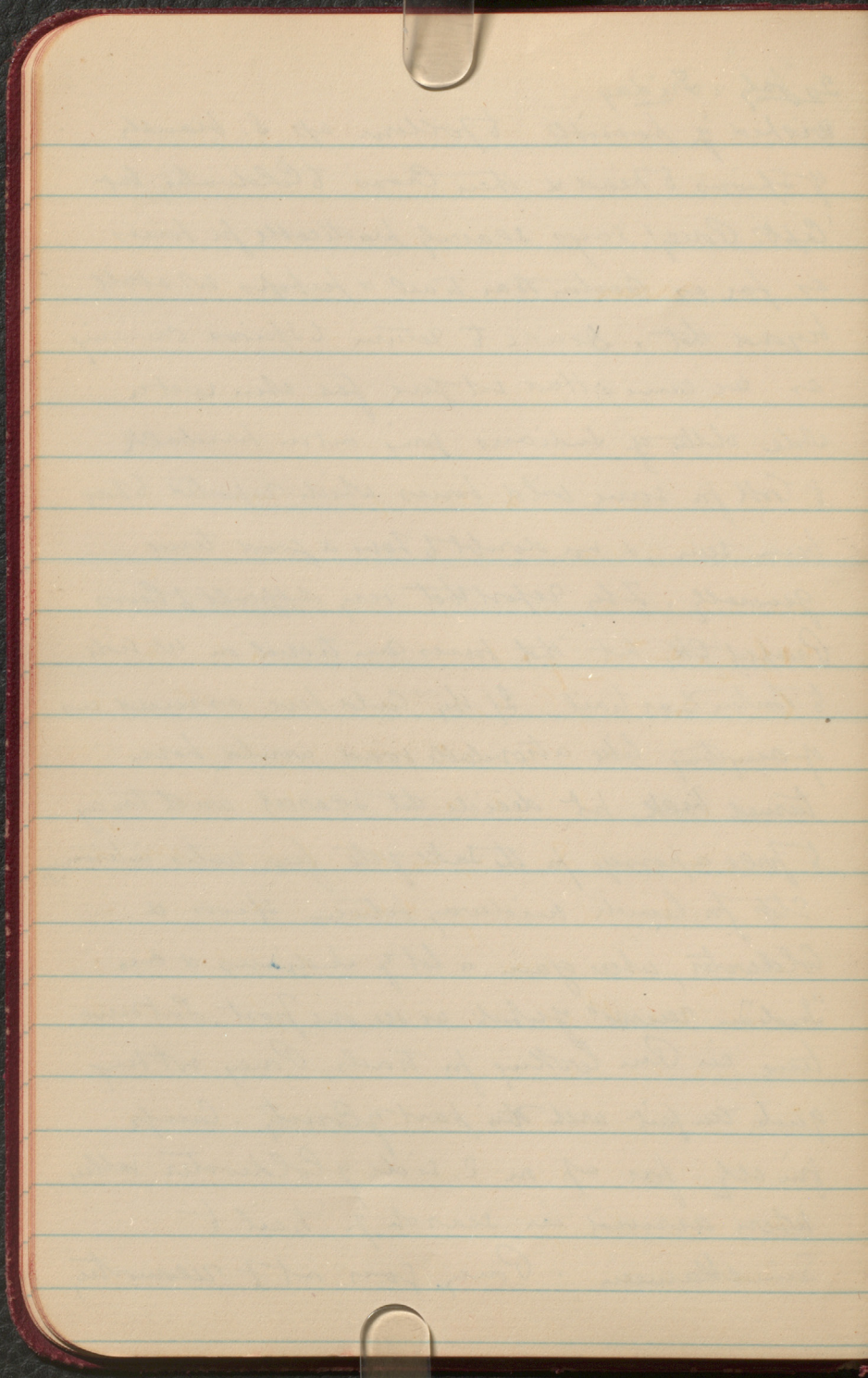
ck., which called by name some as used for  
dead man. There are no trees, but plenty grass &  
shrub mostly a little fern. Several small lakes  
without outlet. Horses travel right across it to  
Kocoomen. On it at one place the exact  
representation of a boat with three men sitting upright  
in it, in stone. Indians say perhaps once  
a flood & three men turned to stone there!

19 July, Thursday. Set out with H.L. & Louisa,  
(whose name by the way "Capt. Porey") & rode  
up Peep & ck., intending to get back by  
noon & set off with packs in P.M., left  
Camp at 8:45 am & did not get back till  
2:40, which decided to the latter take to  
attempt packing up & moving. Had a pretty  
rough ride got up & down steep banks  
de die & often with no trail. Found a fine  
view point & got desired information about  
boundary of Coast Range rocks & Tect.  
Found it a fine view, to some fog but of  
day on hand. Nothing to do & cannot  
find anything near camp of interest.



20 July. Friday

wished if possible to follow up S. branch  
of Spoons to head & then cross to Coldwater, but  
'Capt. Poney' says scarcely practicable for horses  
as far as Norton Bar trail & perhaps W. at all  
beyond that. Decide to return to Spoons crossing  
as we came. Had not gone far when met a  
whole cluster of Indians going out on horseback  
to look for some wild horses which reported to have  
been seen, & no doubt to have a good time  
generally. They report that very difficult to cross  
Proposed Ok, but that horses can travel on W. side  
to Norton Bar trail. If they could have assured us  
of anything like a travelable road would have  
turned back, but decide that scarcely worth trying  
to force a passage for the sake of the few miles intervening.  
Stop for lunch midway between Spoons &  
Coldwater, where again a lot of Indians & an  
"Indian reserve" which we see one first. Put some  
time in P. looking for trails, Poney not being  
quite au fait with this part of County. Camp  
finally far up on E. side of Coldwater valley  
where arrived in search for trail to  
Simekameen. Poney goes out to reconnoiter,



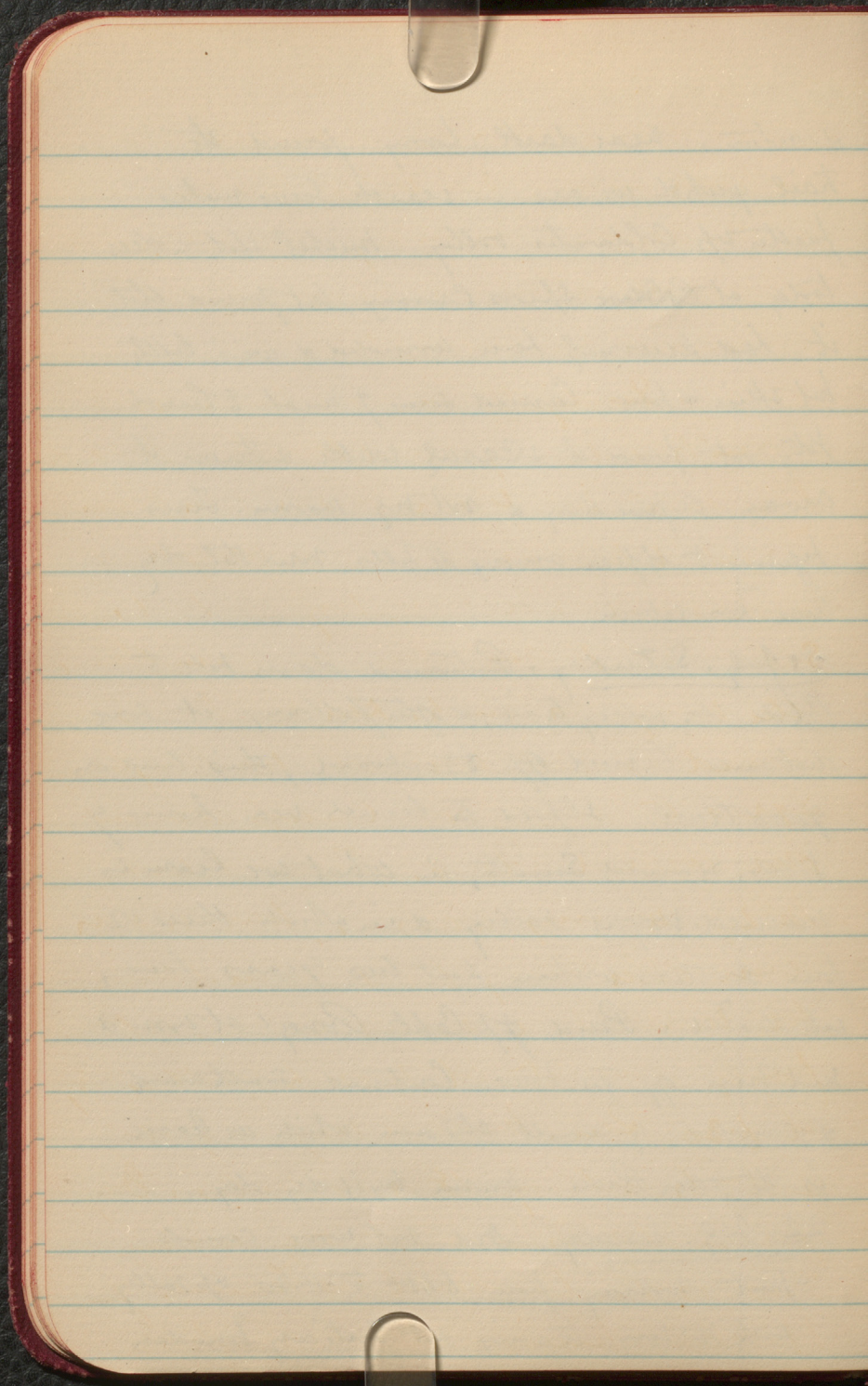


& returns near dark, having found the trail which we are in search some miles further up Coldwater valley. Michel shot a deer today at ~~Coldwater~~ Spoons Crossing, but found that it had previously been wounded & was little but skin & bone. Carried some of meat for lunch but found it scarcely edible & threw it away. A fine day & not very warm. Fires beginning to appear among the hills now that dry time has set in.

21 July. Saturday. Returned down hill to Coldwater valley trail, & after following it some distance turned off backward, this time on good trail. Stopped for lunch near home of settler named Smith, in what we learn is named Voght valley & in which three or four settlers within past two years have subsisted. Paid off 'Capt. Poney' of whom I sent him off for horse. Continued southward & camped by small stream which we learn is the Otter River. Warm bright day.

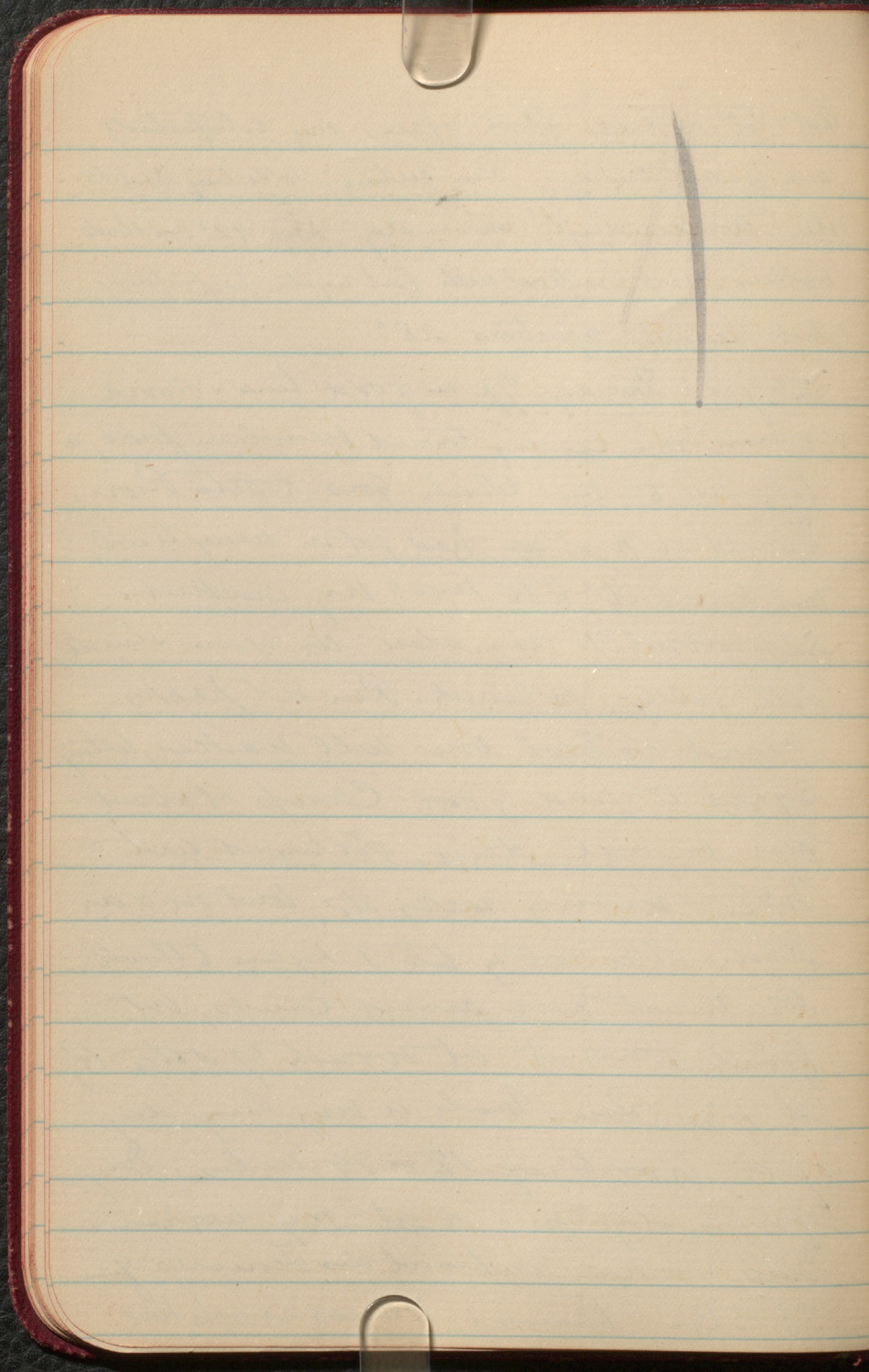
22. July. Sunday. Did not move camp.

Spent morning from 6.45 to 11.30 up valley with Mr. Long. tracing out Ferticity boundary



Got let. of vom which agrees very satisfactorily  
with track survey. Run setting, collecting insects  
etc. An exceedingly warm day, being  $92^{\circ}$  in shade  
walking sharp Central with last night's post-during  
which thermometer registered  $28^{\circ}$ .

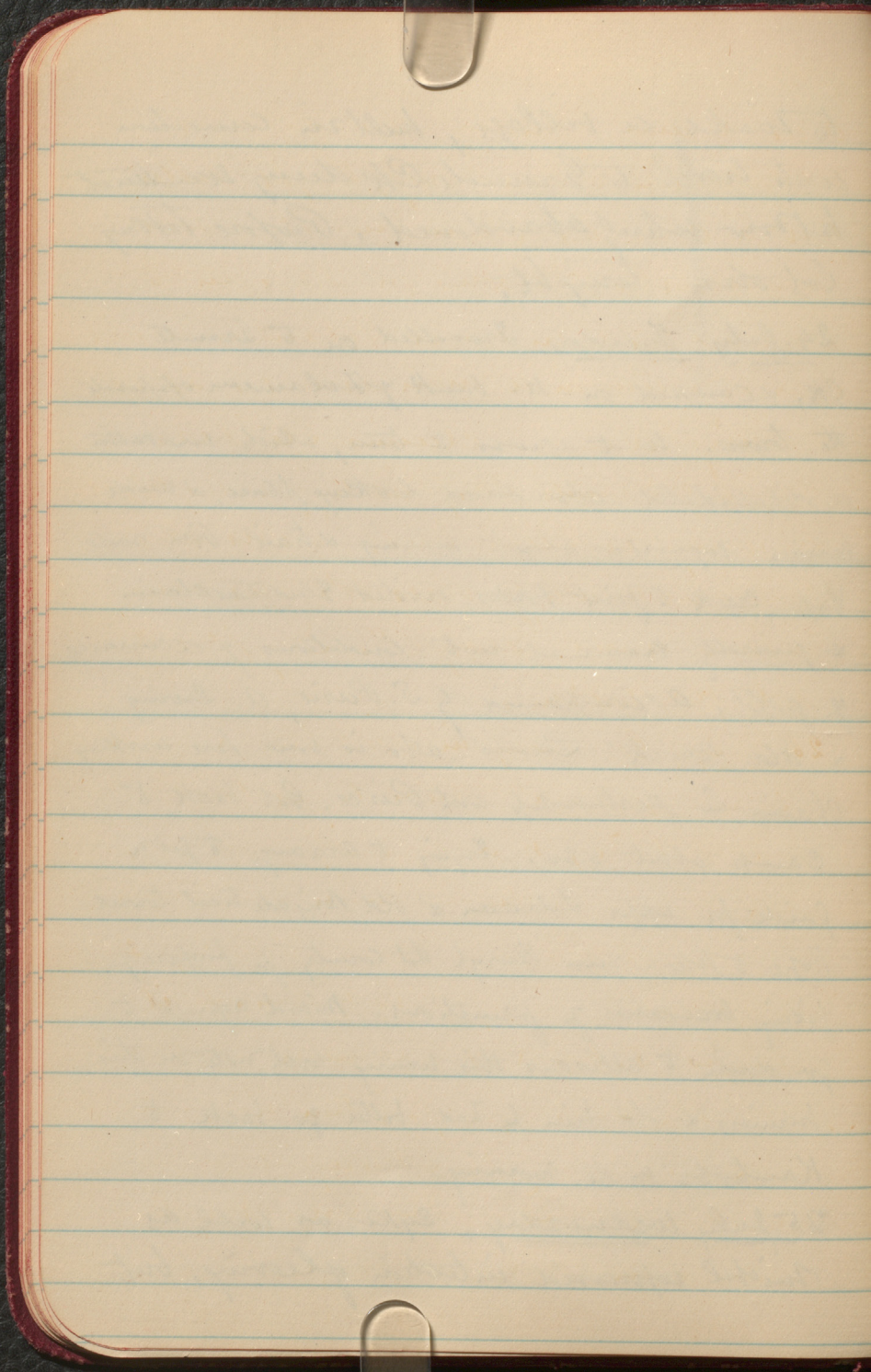
23 July. Sunday. Off in good time. Over  
main trail leading toward Vermilion Forks, &  
take one to right which goes to Otter River.  
Thought at first we had got on wrong trail,  
but found it to be wrong by crossing.  
Slept about 11 am where we gain stumps  
Otter valley, for lunch. Run suit packs  
ahead as trail was well worked, letting  
Sykes to find good Camp at about  
our usual drive. Followed with  
McE., & many rocks etc. Went on & on  
down Otter valley till I began to think  
we must have passed Camp, but  
finally found it at mouth of Otter R.,  
at 7:30 Am. Made a very long day  
of it, travelling 18 & 19 miles. Day  
fortunately fine & not very warm.  
This is the Camp where the Femmes of  
HBC times. Hornes sought here



to make a village, built in connection  
with travel to Granite Ck being excavated  
but now entirely abandoned. Prof. Topping  
Col. Olsen, tonight.

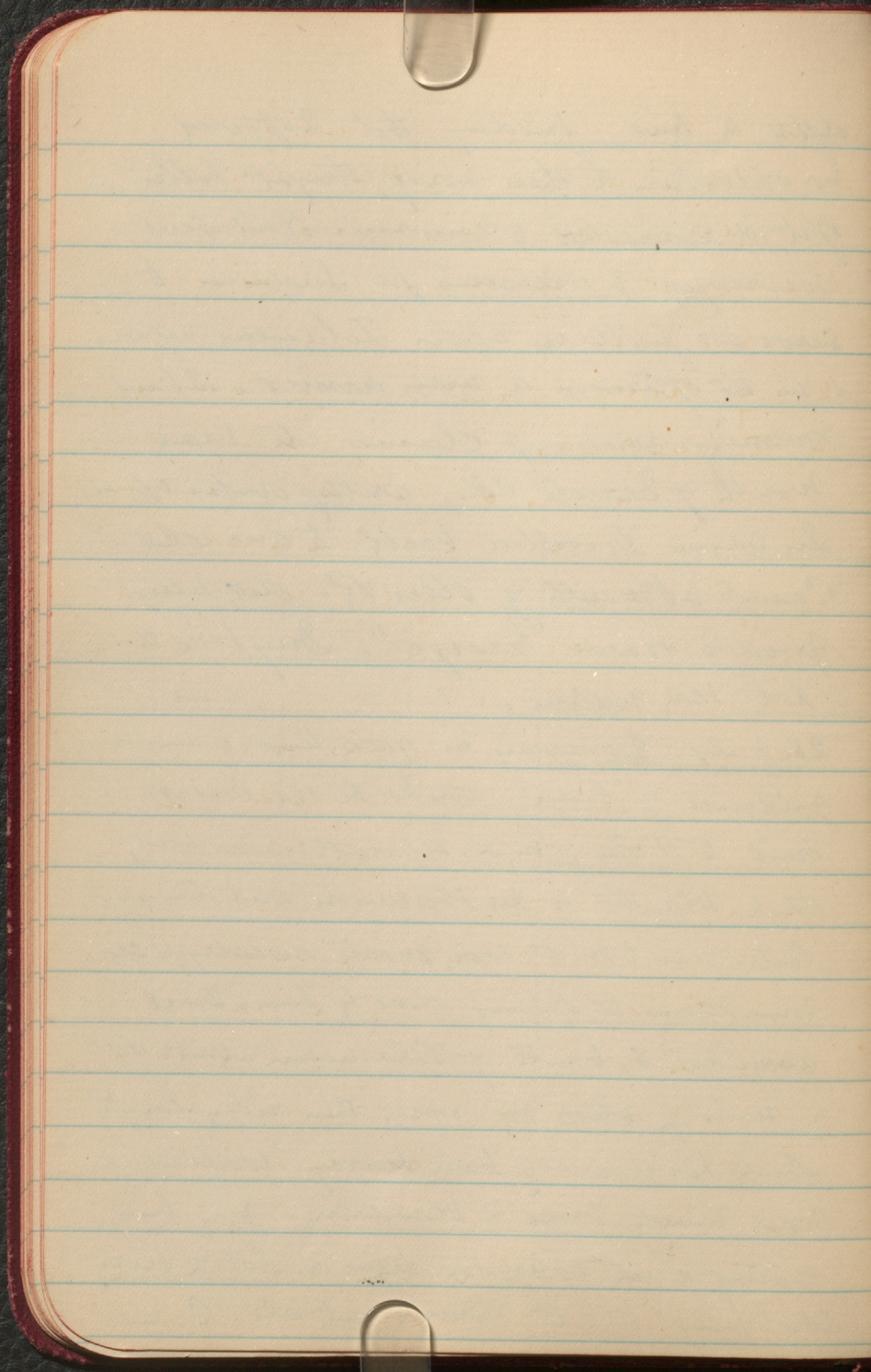
24 July, Tuesday, Travelled on to Granite  
Ck, & camped on N. bank of Zulamen opposite  
the town. Went across to town, which was rather  
a dilapidated abandoned looking place, & made  
various inquiries about mining & trail. Then rode  
Up Creek to first forks, visited Gladstone claim  
& generally examined into conditions & occurrence  
of gold. Accompanied by S. Pierce, A. Irving,  
& old "Brick" Lewis who is now here working  
claim in partnership with Pierce. Got back to  
camp about 6.30. Trying to arrange to get a  
guide for upper Zulamen & Old Brigade trail toward  
Hope to take a run through that country for purpose of  
fixing boundaries of formations. Michel refused to  
go down to Allison's this evening with note on this  
business & told him he had better go back to  
Kambrops in the morning.

25 July Wednesday, Sykes as well as  
Michel expressed intention of leaving, but



after a time, finding that I offered  
no opposition to their going, thought better  
fit & consented to remain. Had sent  
messengers to Allison's for Indians to  
serve as guides in upper Tolameen region  
& in the afternoon a man arrived. Spent  
morning examining claims etc near  
mouth of Granite Cr., writing notes up etc.  
In evening travelled back to our old  
Camp at mouth of Otter R. Our new  
guide's name "George". Day fine &  
not very warm.

26. July. Got away in good time & under  
guidance of "George" strike the old Brigade  
Trail to Hope, now apparently never used,  
though told that a Mr Stephenson went through  
last year to visit some quartz discovery, & see  
some new chopping done by him. Trail  
ascends S. bank of Tolameen, about 1000'  
by series of steep zig-zags, then ridgy country  
which has generally been heavily wooded &  
now much brule' & blunder. Very bad  
going & in afternoon have a lot of heavy  
chopping to get through at all. Camp.





about 6 P.m. where country appears to be getting  
more open at alt. of 5000'. very hard on the  
horns &c. Lost one of my leggings during day,  
torn off without my knowing where in scrambling  
through brush.

27. July. Friday. "George's" horse off this morning  
on the back track, not knowing how long he might  
be away after him & state of trail uncertain  
ahead, sent Michel on to blaze & look it up.  
McLary spent morning going to & occupying high  
hill about 2 m. ahead. I collected a number  
of plants having here numerous alpine forms.  
P.m. McL., having reported the hill an excellent  
rain forest, having found magnolia on it etc. Decided  
to move camp west of that far. Spent rest of  
P.m. on summit, taking some photo. views &  
general observations while McL. occupied with  
transit. Light passing showers in P.m. with fine  
haze after dark & distant thunder. Camp  
only about 200' below summit of Lonsdale Mt.,  
as it may be called, 6000' in height. Beautiful  
open park like alpine woods where trees etc.  
destroyed by fire. Flowers in great profusion

## Erruins

different between plateau County,  
(whether over 5000' as in SW part  
near West Camp or lower as in central  
& northern parts) & rugged mts. of Coast  
& 49th parallel ranges, very marked  
when seen from high view points. In  
studying it from hill above Camp 29 Jeff  
arrived at following general conclusions.

Chief disturbance & compression of County  
part Ant. after this, probably in Eocene  
time, denudation produced mt. ranges  
where now are & height rest of County  
nearly down to base level of Erruins  
= general plateau. High rugged mts.  
of present time = parts which stood  
conspicuously above this level then.

In Miocene, from some cause (further upheaval  
stopping drainage, a subsidence?) sedimentation  
& afterwards volcanic action & lava flood.  
all tending to arrest denudation of plateau  
in west part of it, while denudation of  
mts. of Coast still in progress.

In Pliocene erosion of plateau again

lupinus, astragalus, valerian? arters & great  
tufts of veratrum.

28 July. Saturday. Travelled on by Old Brigade  
trail as nearly as possible, but found much  
difficulty in following it, as it has evidently  
not been used for many years. Got out &  
stop for lunch on bold or nearly bold hills  
with rolling surfaces at elevation of 6000'.  
Collected a few new plants, including  
*Phlox Drummondii*? In evening shot a fine  
buck just as we were ready to leave,  
entailing a little delay, though we were  
glad of the meat, which very fat &  
good. Got into shocking blizzards in  
Pun & waked by short distance finally  
calling a halt in deep narrow gorge  
steeply sloping down to one of peaks of  
Tulaween & full of fallen trees. Heavy  
storm impending & scarcely had got  
tents up when great downfall of hail  
with thunder & lightning.

29 July. Sunday. Heavy rain all night &  
this morning, continuing at intervals all  
noon, with whole of mountains shrouded

counties, County doubtless at much higher level than in Eocene (Compare with Count.) great valleys cut in plateau, many or many which still exist today. Higher mts, also still undergoing work.

Chief influence of glacial period as regards plateau, a filling & leveling up, after this old water erosion recommenced, glacial material removed & new valleys cut out, & this continuing to present, though in many places valleys not yet cut out to old Pliocene level.

In high rugged mts. thus see higher parts of Crust which subjected to continuous erosion since Eocene. In plateau masses blocked out by river valley of above origin, but in which erosion has not yet had time to act in far as to produce ragged forms.

Great Pliocene valley erosion consequent on highly land which must have been greater than today. No extensive Pliocene deposits from same reason.

May the great length of Miocene

in heavy clouds, putting Slope to plans  
for exploration. Clearing gradually in  
Pm, & by. Juv. Inducious shot a ground -  
hog (Siphonix) which George skinned  
carefully under my directions. Mr. E. took  
a trip down to Tulameen Fork while I  
wandered up on hillside a short distance.  
Had not intended to keep Sunday so  
religiously as had, feeling that the past  
a few weeks for work.

30 July, Monday. Mr. Looy with George set  
out early to explore westward for edge of  
Cretaceous, intending to put in whole day if  
necessary, on foot. I climbed hills behind  
Camp to examine rocks & endeavor to get  
sketches & distant views to assist in  
defining Cretaceous. Both got back to  
Camp at noon. Pack up & drive back on  
old trail, George being confident that it  
would be impossible to get down the Tulameen  
Fork with horses. Camp at little lake  
high up on slopes of loadstone Mt., on  
old Brigade trail, & evidently a frequent

volcanic area to E. of Coast Ranges  
indicate main loess valley of  
drainage of plateau & if so in which  
direction did it flow out? See  
in which directions blocked by high  
ranges = loess etc mountains, seems  
probable that northward from lower  
level (present) there as well as  
from wider spread of volcanic  
materials in that direction.

- Bearing of all this on Gold deposits  
& age of placers -.

H. B. Camp in former days.

31 July. Tuesday. Off early & drove back to Tolameen through the same rows of sticks we had formerly contended with. Horrible fog. Very warm in pen & quite glad to reach a better trail again. On up Tolameen as far as Rabbit's place, about 3 m. above Otter C. Interview him & get a good deal of information about Cuts & mining. Said out with me tomorrow. Amusing to have spent so much time in doing so little on the old trail & vicinity, but could not see that it would prove so execrably bad as it did.

1. Aug. Wednesday. Spent whole day up Tolameen sketching & examining river & some quartz claims etc. Accompanied by "George" & party trail by his Rabbit. Several streams. Rough very hilly trail. Got back to Camp 6 P.M., abt. same time with Mc Coy who spent day up Boulder Ck.

2. Aug. Thursday. Drove down to Granite Ck, intending to see another of Rabbit's!

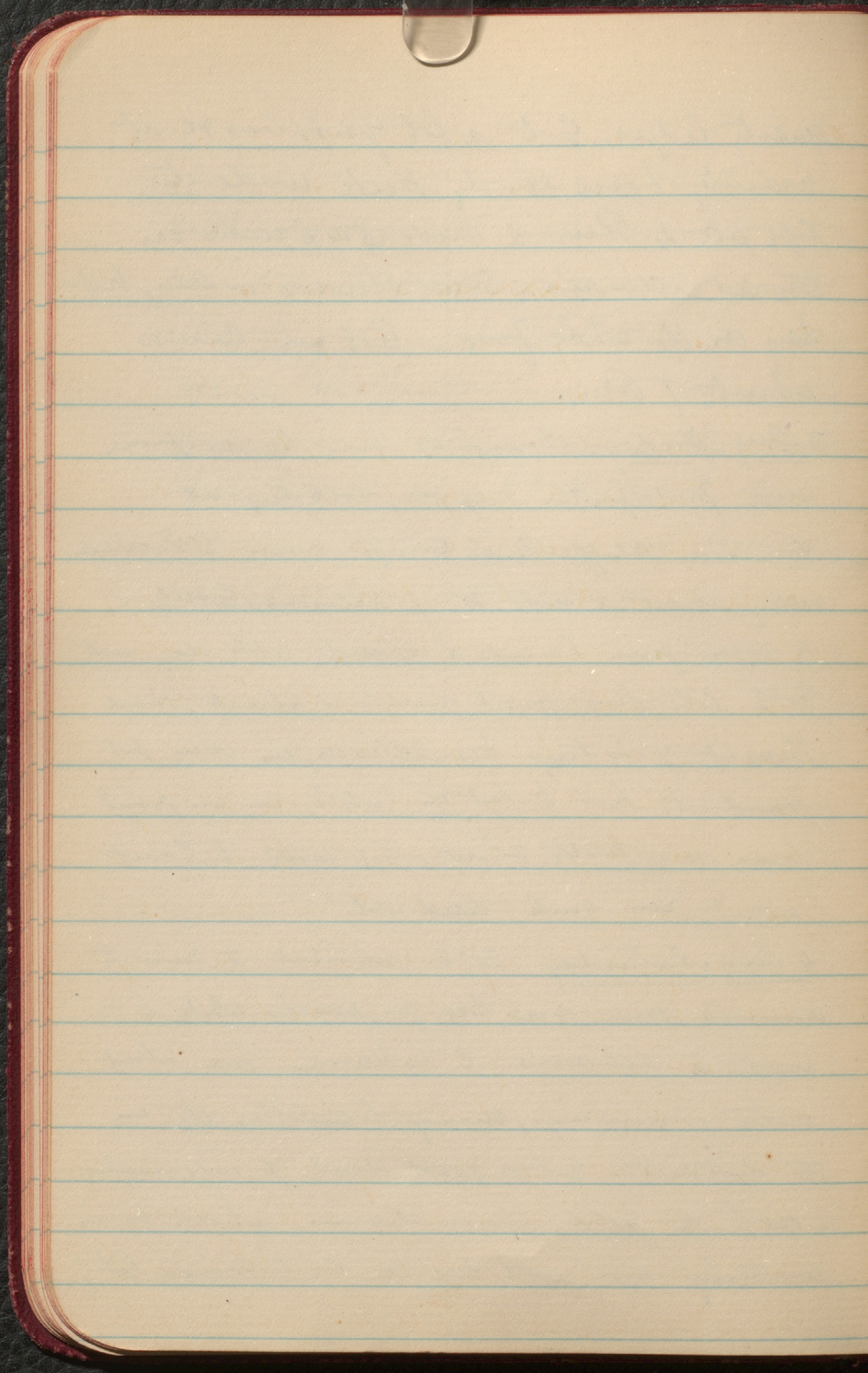
Siliceous deposits included in  
Vermilion Bluffs show issuance of  
silicifying springs during Tertiary, &  
explain in part at least the silicification  
of older rocks through which they must  
have passed up. ? to what extent the  
deposition of gold etc may have been  
due to action at this period



quartz ledges. Got a lot of supplies re at  
Granite, horse shod, pick wade etc.  
Left at 4 P.M. & drove 5 or 6 miles on  
toward Allison's. Some showers in Am, but  
day on the whole fine. Got into Camp  
about 7 P.M.

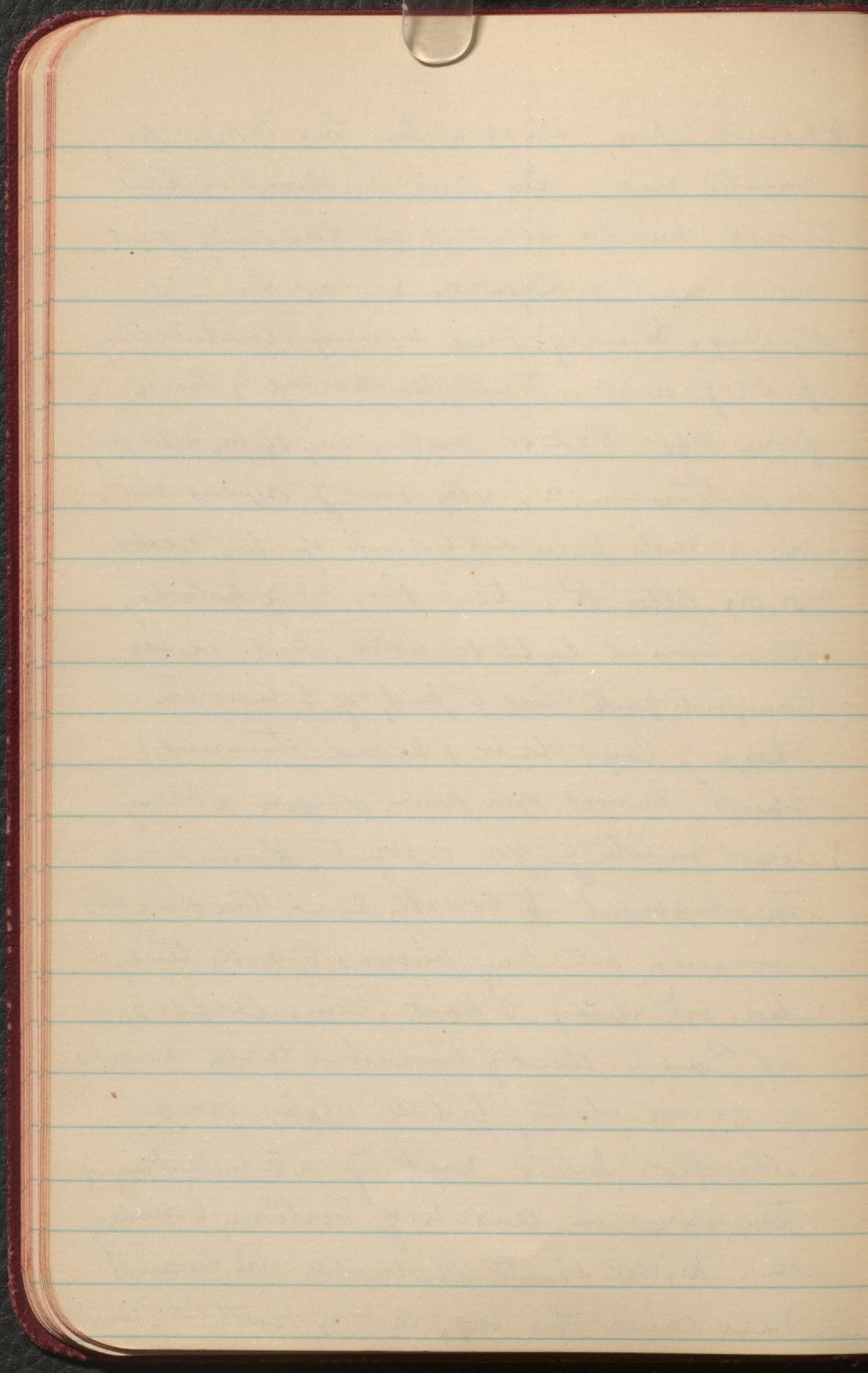
3 Aug. Friday. Found we were too far from  
river for effective half day collecting at  
Vermilion Bluff. Move Camp down to Zulameen  
valley about a mile W. of Allison's. Got off at  
9 Am from Camp & spend whole day with  
M.E. collecting fossil insects & plants. Had  
thought of visiting Mrs Allison in P.M., but  
found it best to put in whole day on fossil  
beds, as work slow. Got back to Camp  
at 7 P.M. quite tired out.

4 Aug. Saturday. M.E. returned to river to  
examine some new locs. for fossils while I  
went to Allison's to interview him about  
dates of mining, mining localities etc in  
the district. Got a good deal of information  
& visit a gold placer claim which he is  
working, as well as a coal seam lately



opened pan which a few tons taken for domestic use. Then drive northward on trail toward Nicola about 72 m., camping just beyond head of ~~Small~~ Sadlow L.

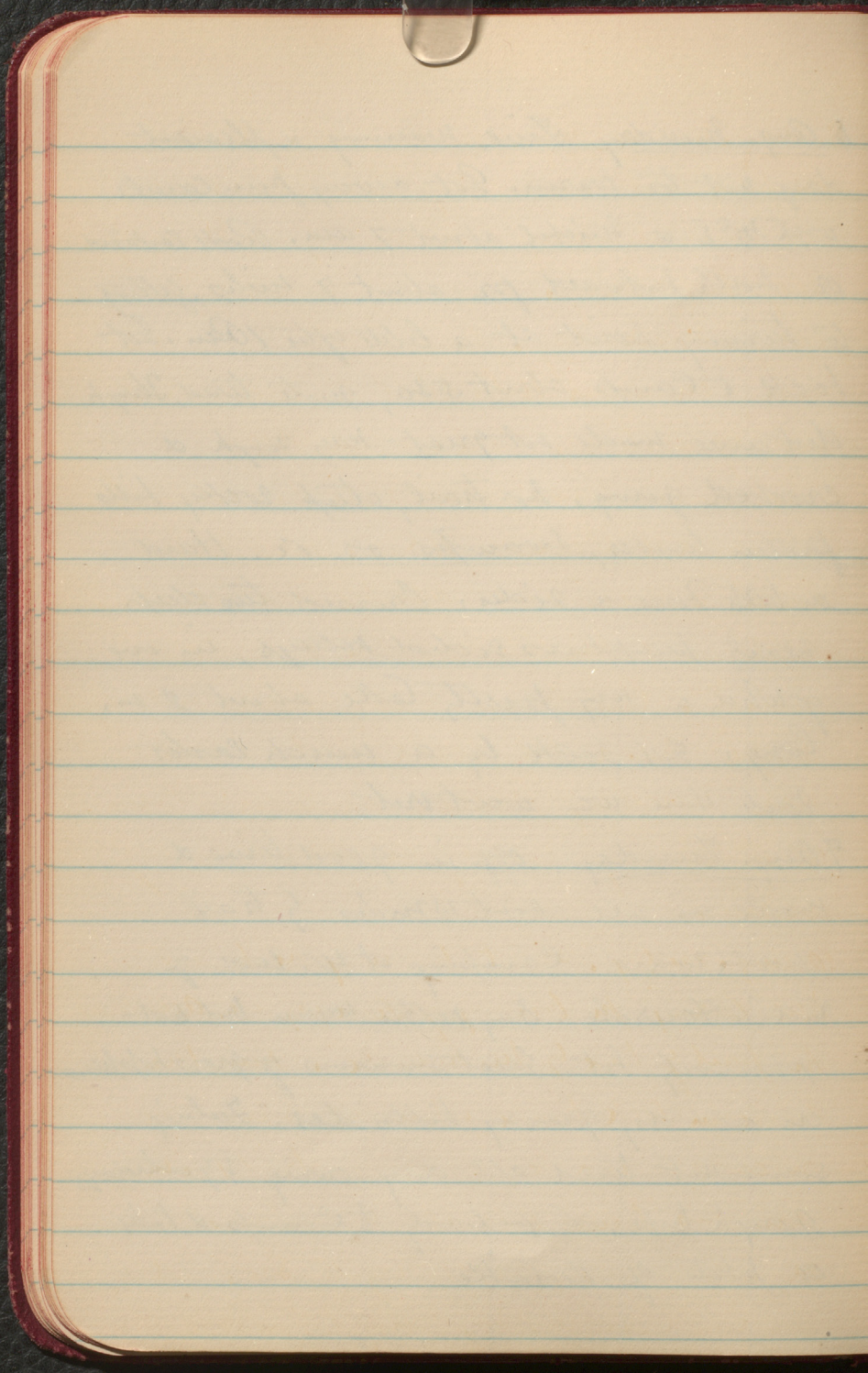
5. Aug. Sunday. Fine morning with valley full of mist. Travel northward by trail from 7:45 to 12:40 making say 14 m., & camping on plateau in a pretty grove of aspens not over a mile from our camp of two weeks ago on Otter R. Keep Pan as a holiday. Occasional light showers. Find we are camped quite close to party of 3 men in charge of large drive (several thousand) sheep, brought over from Oregon & being sent in lots of 400 or 500 to Kawloops for shipment to Coast. Saw three deer this morning, but being anxious to make time, did not delay to hunt them. Aspens at camp thickly inscribed with names of varied dates, but the older ones illegible. Intend making a trip eastward tomorrow in search of Tertiary boundary etc. Michel shoots 3 ducks in swamps near camp this eve. A very pretty little camp.



6 Aug. Monday. Fine morning & pleasant day not too warm. Got away from Camp with M<sup>c</sup>E & Michel about 7 am. Rode eastward or north eastward for about 7 miles, getting to turning point at a little after 1 Pm. Got back to Camp about 5:30, quite tired, though distance made not great very rough & crooked going. No trail, steep rocky hills fallen timber, swamps on R. Hand on both down & sides. Crossed two deep nearly perpendicular sided valleys, in one of which a very pretty lake about 2 m. long. Got back by a much easier route than we went out

7 Aug. Tuesday. Off in good time & make in all about 15 miles by trail.

Northward, camping at W. end of La la Fourche. Day rather warm but not oppressively hot. Great swarms of grasshoppers on all dry grassy hillsides. Feeling somewhat tired all day owing to yesterday's rough trip. Got early to Camp & took a photo of the lake.



8. Aug. Wednesday. Moved over to Camp on high flat overlooking Coldwater. Spent all Pm examining coal locality & vicinity. Very hot day.

9. Aug. Thursday. Rode up Coldwater valley on Iron Mt. side to reexamine line of Tertiary there. Then crossed valley to examine some bluffs on W. side. Got back to Camp 11:30. Pm went down to camp at bridge over Nicola. Interviewed Mr Clapperton & others about vicinity. Camp on a dry barren rocky slope near the road, not at all an inviting place. Thunder storm in the evening cooling the air. Day very warm.

10 Aug. Friday. Spent morning on hills to N.W. looking for boundary of Tertiary etc. Accompanied for part of time by Mr Rutledge. Pm. Mr Clapperton took trouble to point out Sandstone outcrops which he had noted about 1 1/2 m. from his house to west. Afterwards examined hills along valley to S.W. Got back to Camp 7:30, having taken <sup>about</sup> ~~over~~ three

End. |



hours recess at noon on account of  
extreme heaty day. Heavy Thunder storm  
in Pm near head of Lake but no rain where  
we are.

11. Aug. Saturday. Sykes announced his  
intention of going to Rawlroops having heard  
that his wife very ill. Somewhat inclement, but  
arrange to get an old Indian known as  
'Joe' to guide us across country to Stamp L,  
North of Nicola Valley. Had also arranged  
through Joe to get another Indian to help, but  
he being unable to find his horse did not  
join us & as Joe not much good at  
packing, a little short handed, notwithstanding  
rather late start was a pretty good day,  
Camping near head waters of Clapperton's Creek.  
So far Joe has proved excellent guide though  
my faint trail or none at all in many  
places. Fine day & not very warm.

Joe has long hair partly grey & is a quaint-  
looking old man. Prefers to be one of  
the real old Nicola Indians of whom  
according to him only 8 were left, the

Old Indian named Joyaska got  
at Clapperton's as guide, says there are  
now only a very few yto real old  
Nicola Indians remaining. Most of  
present Indians having come from Lytton,  
Similkameen etc became good grass  
country for horses. He is probably  
nearly 60 years old & says that his  
father spoke a different language from  
that now spoken of which he remembers  
only a few words, having been quite a  
little boy when his father died. Below  
are all the words he could call to  
mind. Seems some probability that  
it is a Tsimé' dialect. Joyaska indeed  
when asked if it was like the Chel Koten  
said it was the same. His father  
was named Sas'-a-Louis-Kun  
& Joyaska says he will soon assume  
that name.

voeb.

Sus = grizzly bear

tō-e-a-Kai' woman

noott or tēt-Trutz' man (two ways)

other Indians inhabiting the valley being  
seen comers from various places.

12 Aug. Sunday. Got along Eastward  
pretty well for a few miles under Joe's  
guidance, but then got into tangled country,  
grown up with Juniper pines & full of  
windfall etc. Traveled on slowly & very  
circuitously till 3 P.M. without finding  
any water. Stopped then for lunch & found  
about 6 P.M. Camped on edge of good  
country with open woods near a stream  
flowing to Stump L. Valley, a very tiring  
day for men & horses.

13 Aug. Monday. Moved down to Stump  
Lake & Camped near Scott's, the  
post office. Explored about mines etc.  
P.M. Spent forenoon over openings of Star  
Mining Co under Mr Richardson's guidance  
(Mr Henderson the manager being away)  
& Nida Mining & Milling Co with  
Mr Craib. Back to Camp at 6 P.M.  
Sikes returned from Roundtop  
this P.M., & rejoined party. Got-

Klos - ho' rattle snake

sis - ya' - ne' big deer y old, probably elk

tat - ta - a' - ne' knife

Ind.

tis - pi mountain sheep

sip - pai' lake trout

notl - ta - hat' - se silver-leaved buffler berry

sit - e - tshi' - i' spoon

pin - a - le - el - i - etz' look out or take care

Many Elk horns or portions of them scattered  
over hills E. of stump & valley & said formerly  
to have been very abundant, now very scarce.

Caribou said of 'George' formerly guide, not  
to be found at all W. of Okanagan & but a  
few to the East. Said at one time that a  
band in Similkameen mts, probably Astorians  
were seen, but Chip organized a hunt & killed  
them all.

This  
is  
Caribou  
said  
after  
the  
war

a quantity of mail matter, forwarded  
by today's stage from Rawbops as per  
my request to postmaster there. Had  
just begun opening letters when Mr Polteran  
& another prospector rode into Camp &  
stayed talking an hour or more.

14 Aug. Sunday. Mr Crab arrived as per  
arrangement at 8 Am & kindly spent day  
going round with us to various openings,  
prospects & mines. He was accompanied by  
a Mr Spence & Mr Palmer who has a farm  
a short way down road also came with us  
part of time. Got back to Camp about 6 Pm  
accompanied by a Mr Jones from Brittona  
who is interested in a claim near here &  
had been pursuing us all day, catching  
us at last when we were on the way back  
to Camp. Weather fine & day not  
oppressively warm. Made a round  
about ten miles in all.

15 Aug. Mr Jones turned up at 7.30. Went  
with him to examine claims in which he is  
interested not far from camp. Sent packs  
up to Camp at Quilchanna (? spelling)

Names of places from Joryaska

Zooht Region at foot of Nicola L.  
near Clapperton

Pun-tlat' Head of Nicola L.

Ka'-tim-ooh. a little lower down  
on lake, doubtless mouth of Nicola R

Kevil-shen'-a Mouth of McDonald's R

*John*  
Spa-oo' (= burnt) Summit of plateau  
by Clapperton Cr.

*(see map)*  
Th'-ham'-i'-a Stump L.

Spa'-ha-min Douglas L & upper  
Nicola region

Ta'-whai-tein Cheperon L.

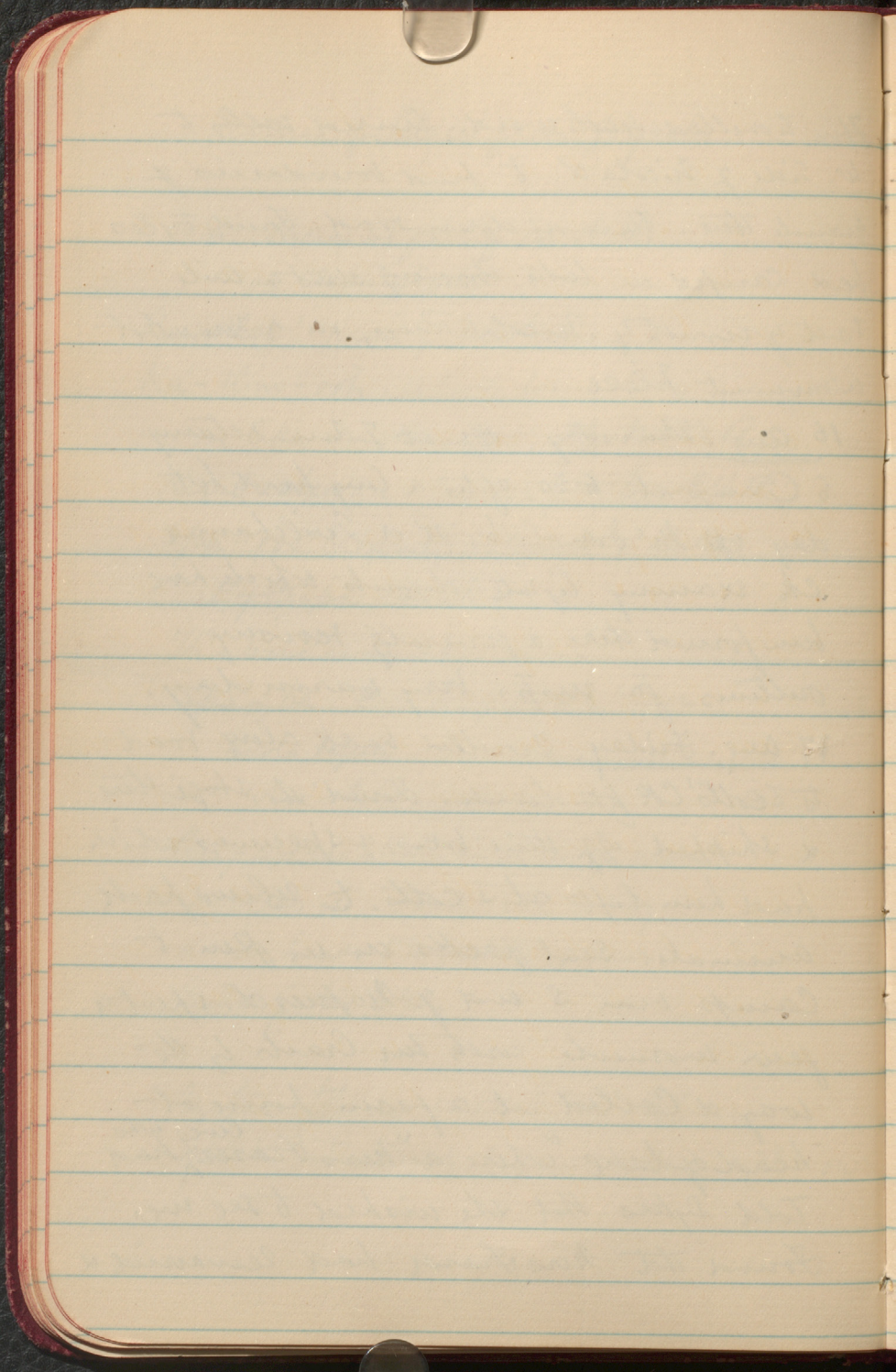
Pen-a-ras'-kut. Large lake above  
Douglas L. said the many  
arrow heads to be picked up near  
head of this lake.

*Ind:* | Native tobacco used before tobacco  
of Whites introduced. Called Skwa-yel'-ow

Then travelled southward. Crossed valley to W. side of Nicola R. to find boundaries of granite there. Then on down road. Found Lykes had camped on lake shore only about a mile south of mouth of Nicola River, in a somewhat inconvenient place.

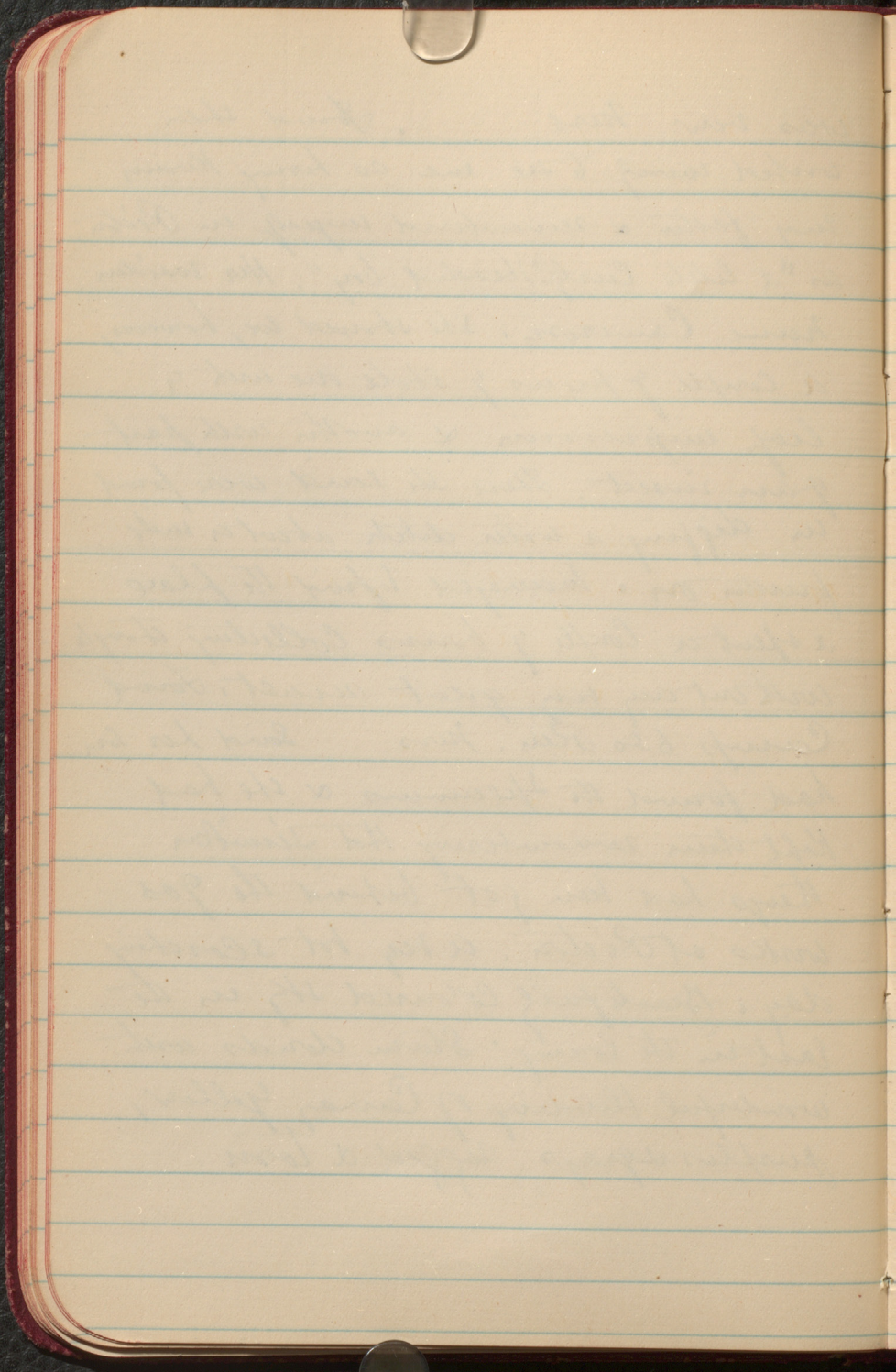
16 Aug. Thursday. off at 7 am returning to Camp at 6.30 after a long hard hot day up McDonald's R. & Sulchanna Ck examining lignite deposits which have been found there & generally revising outlines for maps. Very warm day.

17 Aug. Friday. Travelled back along road to Scotts' Ck for lunch. Found the stage there & shipped off three boxes of specimens which had been left at Scotts to relieve packs animals. Sent packs on in pen to Camp near S end of Napier R. spent a few moments with Mr Craik by the way & called at a farm house at head of lake where a "Mrs Fraser" <sup>lives who</sup> had told Lykes that she wished to see me. Found that Mrs Fraser had remarried &





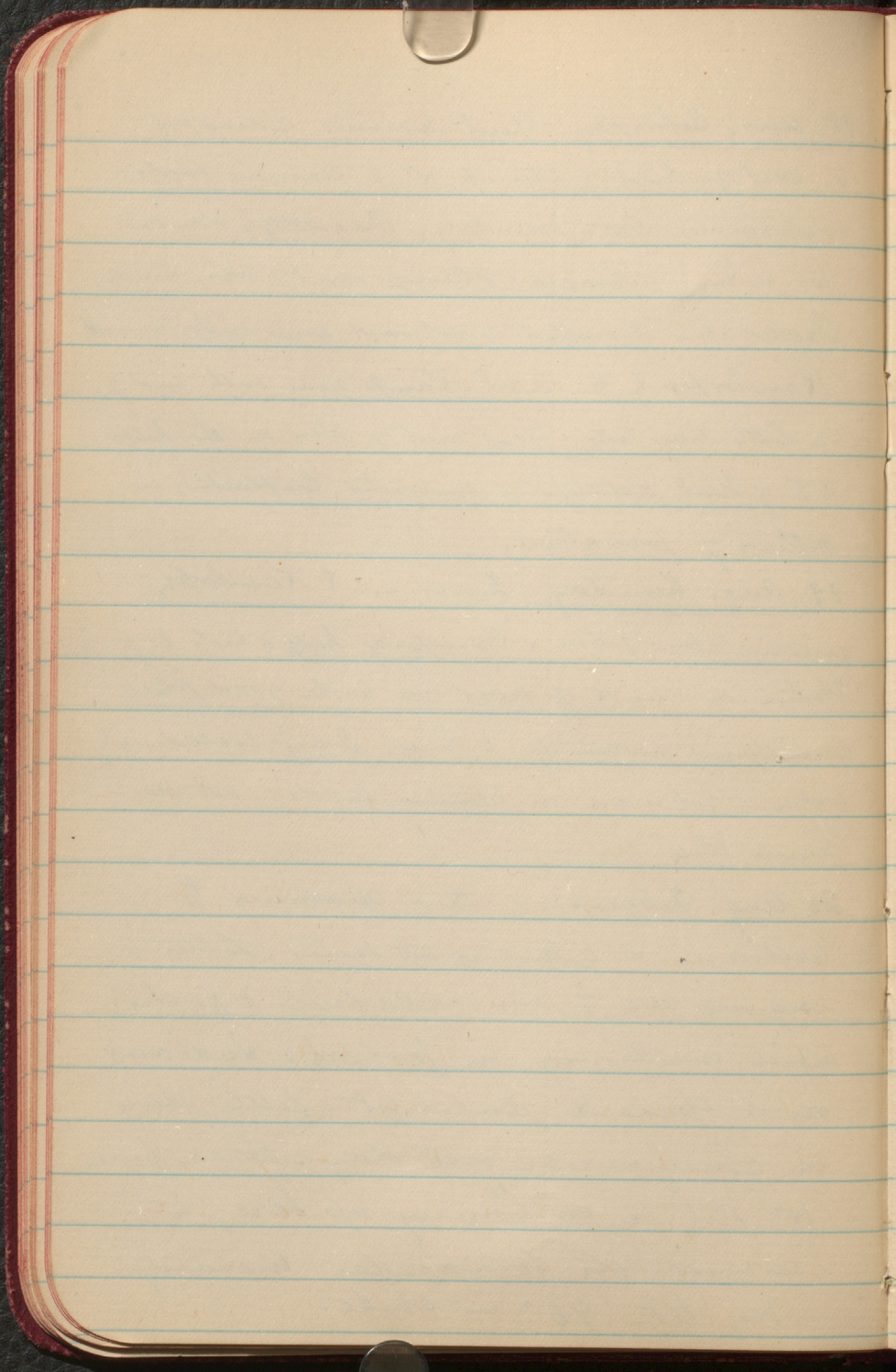
was now Mrs . Found she  
wanted very to see me as being known  
my father & remembered myself in Pictou  
as "a little curly(?) headed boy". Her maiden  
name Cameron. She showed me, however,  
a couple of pieces of stone one with a  
leaf impression & another with part  
of an insect. These she said were found  
in digging a water ditch about a mile  
further on. Managed to find the place  
& spent a couple of hours collecting though  
without any very great result. Found  
Camps 630 Pen. Mrs . said her son  
had found the specimens & she had  
kept them remembering that similar  
things had been got behind the gas  
works at Pictou, a very hot scorching  
day. Beautifully coloured sky in the  
east in the evening. Storm clouds with  
wonderful flaring of Caray yellow,  
purples & greys, ragged & torn.



18 Aug. Saturday. Spent morning riding out to west yr head of Stamp L. to examine rocks & determine East. boundary. Fair breezy day but too warm. Returned to Camp about 7 Pm., lunch. Packed up & travelled northward some miles toward Kamloops of the trail. Camp near both end of a little long lake. Spent most of Pm on the hills to E. of trail developing unexpected complexities in outlines of formations.

19 Aug. Sunday. Moved in to Kamloops, arriving about 7 Pm & camping half a mile E. of Station on bank of river in rather good place considering proximity to town. Day exceedingly warm. Got mail in evening but did not do much else.

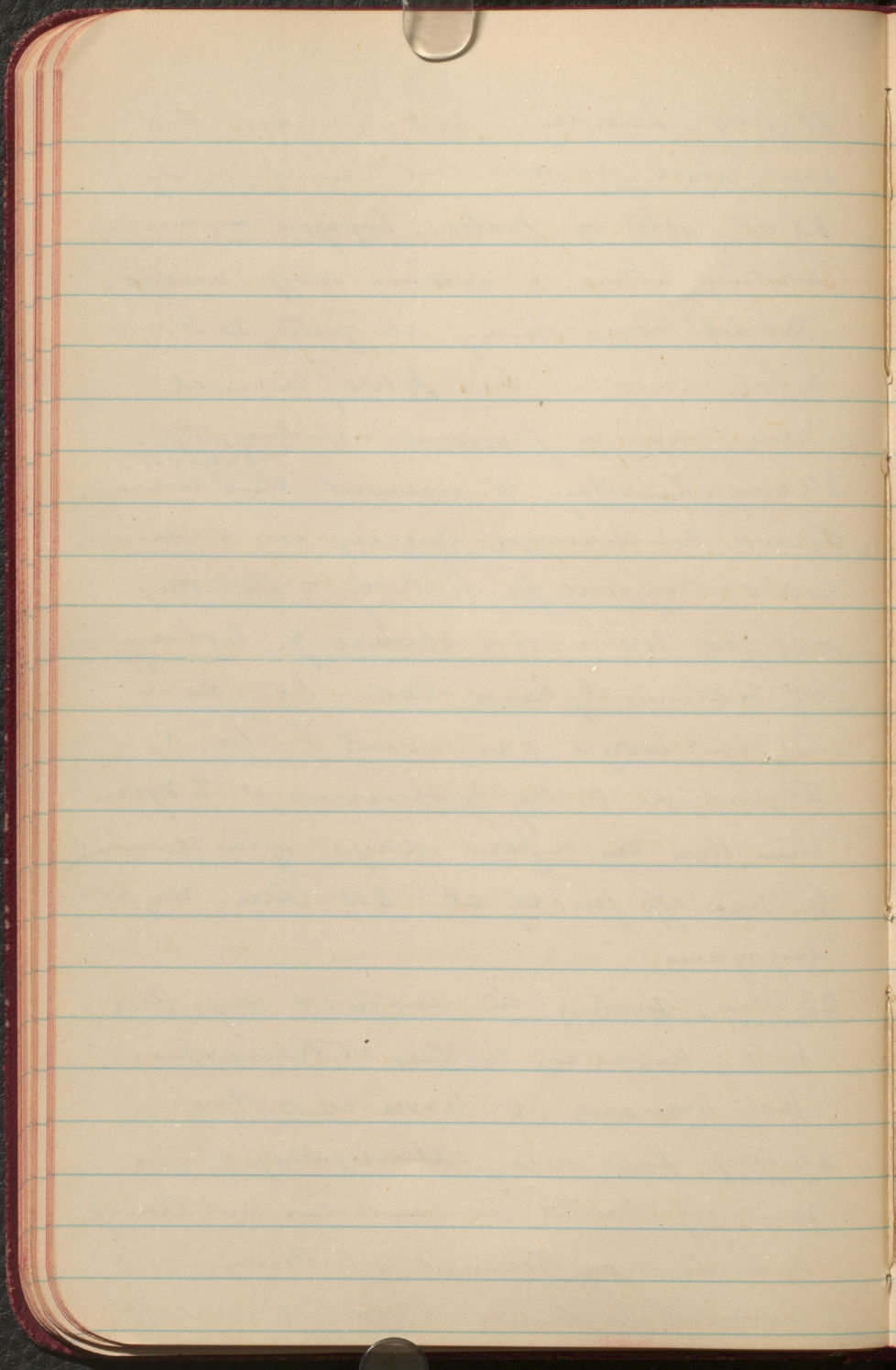
20 Aug. Telegraphed this morning to William & to Mother at Metis. Letter to enquire as to an accident to father which mentioned in papers. Indians on a spree & could get little done in consequence all day. Hear from W that he is coming up here, to arrive on Wednesday morning, by Wt. 96° in shade.



31 Aug. Tuesday. Get telegram this  
morn which arrived last night stating  
that all well at Motis. Enjoyed unpacking,  
writing letters & ordering stuff needed.  
'Michel' stays away altogether, so engage  
a half-breed in his place, named  
Bona, who is formerly spoken of  
22 Aug. Tuesday W. arrived this morning.  
Found that Bernard coming here to examine  
rocks along line for C.P.R. & that this  
will give me a good chance of looking  
at sections by hand-car. Decide to  
let me go & part work E. day 1.  
Thompson valley to Sherwaps & to rejoin  
them there in a few days after examination.  
Got them off finally at 3:15 P.M. very hot  
day again.

23 Aug. Writing etc. Another hot day. Pack  
bags & closed up matters at Rawlsons,  
Met Bernard at train at 10 P.M.

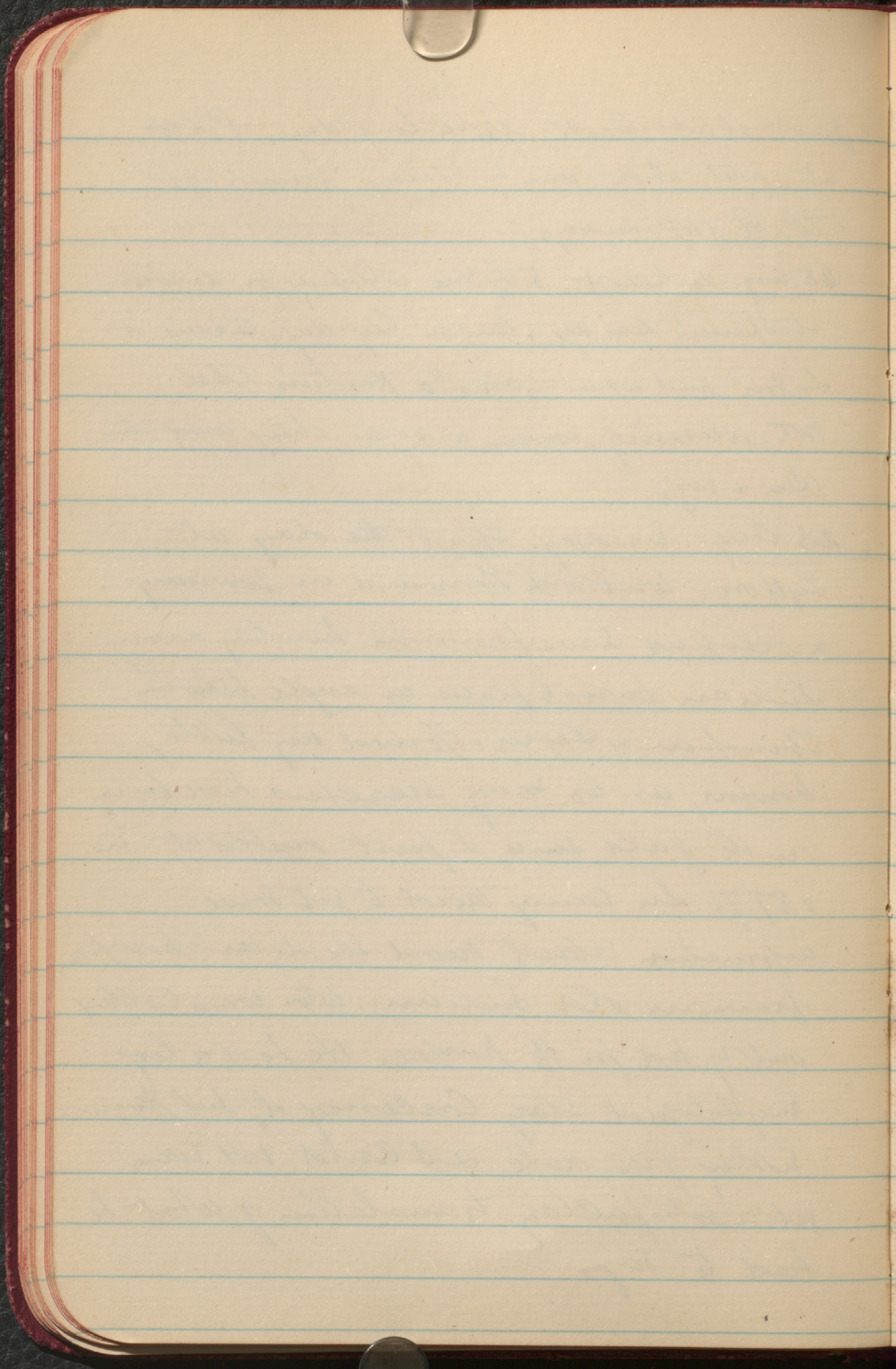
24 Aug. Some delay about getting off, but  
eventually started on hand-car with crew  
of Indians, Bernard & William. Got to  
Savina's for dinner & reached Ashcroft



Just about dark, after a long day, Put up  
at hotel which run by Glassy property of  
C.P. R. fort. surveys.

25 Aug. Ashcroft to Lytton, stopping for dinner  
at Spencer's Bridge. Another long day. Arrive at  
Lytton just about dark. To Hunter's hotel  
not excessively warm & rather strong wind this  
A.M. & evg.

26 Aug. Sunday. Spent the day at  
Lytton. Went with Bernard in morning  
& occupied some hours in hunting among  
Indian burial places in angle between  
Thompson & Fraser. Found very little,  
having, as too many searchers have been  
in the field since I first visited it in  
1877. In evening tried to get some  
information about mud slide on Thompson  
from an old Indian who was called  
only for the purpose. He had a long  
mythological story concerning it, but knew  
nothing of the date & I could not even  
get a satisfactory translation of what he  
had to say.

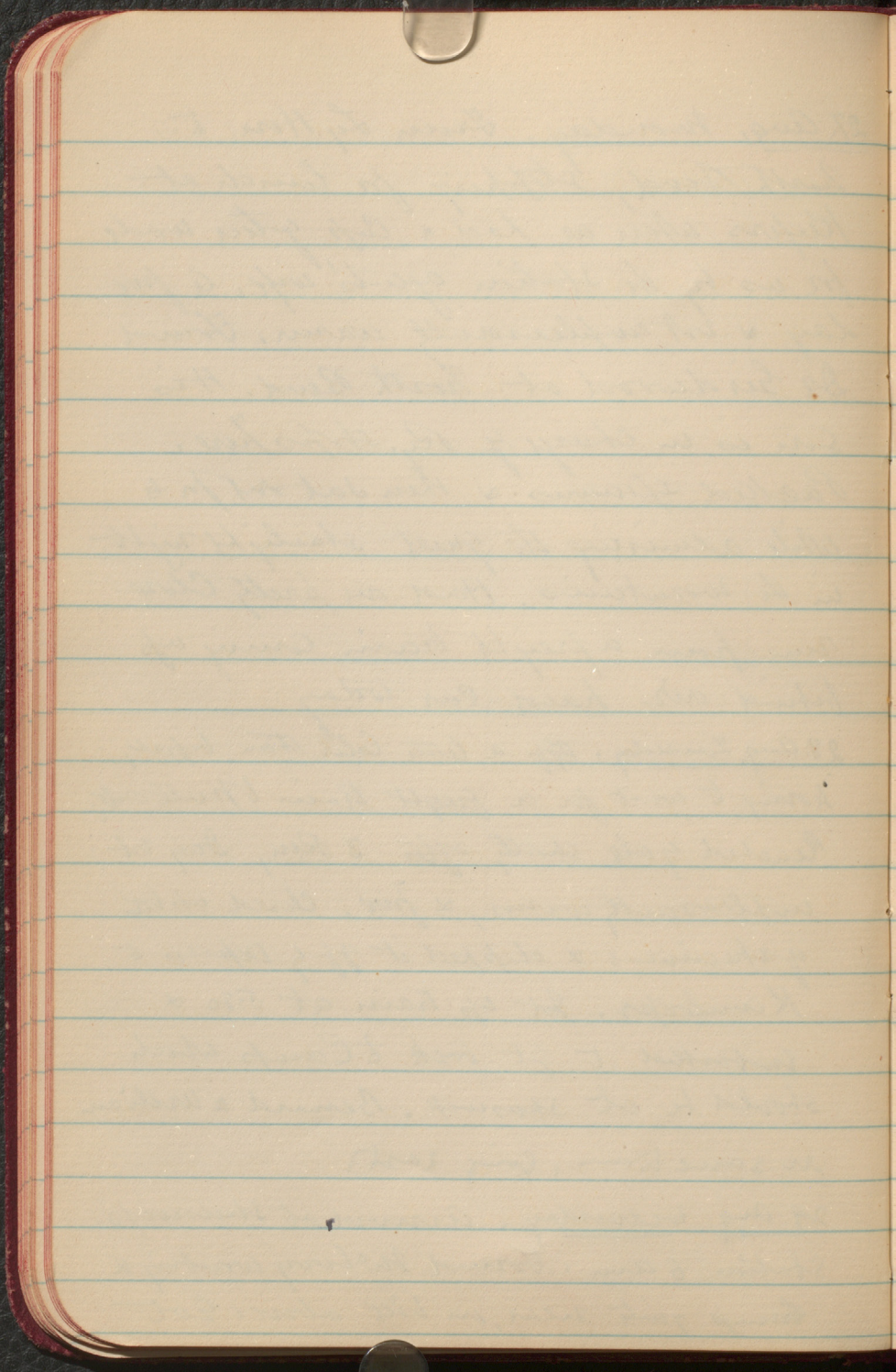




27 Aug, Monday, From Ly Haven to  
North Bend, stopping for lunch at  
Keepers where we had a Cup of tea made  
for us by the station agent's wife. A fine  
day & not unpleasantly warm. Found  
Dr Girde wood at North Bend. His  
son is in charge of Ry. stops here.  
Packed specimens & then sat out for 4  
while admiring the quiet starlight night  
in the mountains. Had one pretty close  
run from a freight train coming up  
behind our hand-car today

28 Aug, Tuesday. Off a little later than before,  
having to wait for a freight train to pull out.  
Reached Gale shortly after 3 P.M., Day not  
unpleasantly warm, & fine. Closed up box  
of specimens & shipped it off by express to  
Kamloops. Got up train at 5:30 &  
embarked to get back to Camp which  
should be at Shuswap. Bernard & William  
on same train, going east.

29 Aug, Wednesday. Arrived at Shuswap  
Station 6 am. Found McLevy waiting &  
Camp quite near, on hill above. Got



breakfast in Camp & after finding out what McEvoy had done, decided to cross river & spend remainder of day clearing rocks on N. side. Moved down to outlet of Little Shurwap Lake & got an Indian to cross stuff over in Canoe, swimming horses. Camped near Indian village, which was almost deserted. Spent P.M. riding out over hills to his cabin & it was very warm, but just cool calm evening.

30 Aug. Thursday. Traveled along North shore of Little Shurwap L. to head. First part of trail very stony & rough. Expected to find Indians at village at head of lake & get some information from them, but not a soul visible. On to Adams' Lake, where put a couple of men & canoe & make arrangements for trip up lake. Went by P.M. repacking things in view of lake trip. Getting line for surveying arranged, swaddled & measured do do. Fine weather but air very smoky & distant view obscured.

It seems the usual monsters inhabit  
a formerly inhabited this Lake. They  
consisted of two creatures with heads like  
human beings & tails like fish, long hair,  
a about twice size of a man. Lived in  
a hole in the rock a Cove which Antoine  
promises to show us on return. When  
passing their abode wind frequently rose  
& swamped canoes. Eventually went away  
down the river, one going down towards  
Rambouk, one up to Sheswoop &,  
as I understand to the vicinity of Copper  
I, where Indians pursuing told me of  
some such being. They were male & female.  
Called by name meaning simply "the  
people" - name Kul-a-moo<sup>?</sup> - whol'-koo<sup>?</sup>  
meaning "water people".

On mt named Ishin'-a-Kin. S. side of  
Adams's I. Indians say they always  
see tracks of a child when they travel there,  
but tracks are lost before they can be  
followed far.

31. Aug. Friday. Off up Adams's L., with  
McLoy, Sona, & Indians named Antonio,  
in Canoe. Fine day, but very smoky, rendering  
view of mts. etc quite limited. Sykes left in  
charge of horses at outlet of lake. Make a  
four day & camp on clean gravelly beach  
about 14.4 nautical miles from outlet of  
lake.

1 Sept. - Saturday. Make a good long day up  
lake, but many stops. Smoke very thick in  
morning generally rendering opposite side of  
lake nearly invisible, but clearing a little  
in P.M. Fine day & not very warm. Colors  
or nearly. Lake rather straight-sided & mountains  
uniform & flat-topped-like & not very high, thus  
not very picturesque, quite a very fine body  
of water. Meet an old Indian & his wife  
in Canoe with four dogs working their  
penge along beach just as we reach camping  
place. After a short confab. he, much to our  
satisfaction, takes his departure, shipping  
dogs in Canoe & crossing lake to where  
he is going to hunt deer in the morning.

Indians say the owl comes about  
camps when anyone has died announcing  
the fact. Saying too! too! — a-sum'-  
tshak'- is or "He is a long time dead"  
Evidently a fancy based on his note,  
& its correspondence to the words quoted,

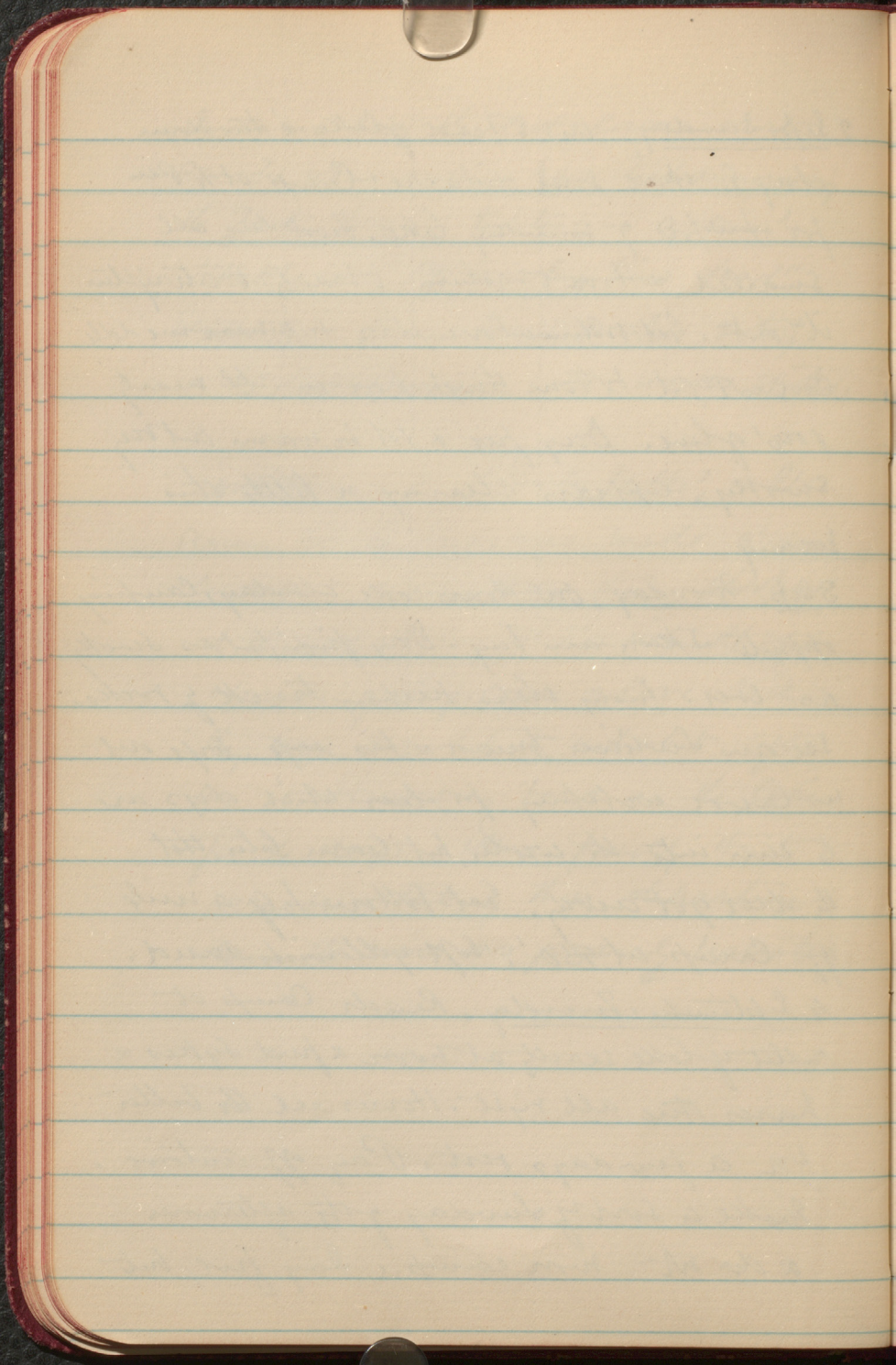
Ind.

with reference to the 'water people'. — It  
seems that the Indians made a  
combined onslaught on them, shooting  
at them & rolling stones into the upper  
aperture of the fissure or cave which  
they were reported to inhabit. After  
this it blew very hard on the lake  
for 4 days, when finally they  
were seen taking their departure  
down the river as powerfully harried,

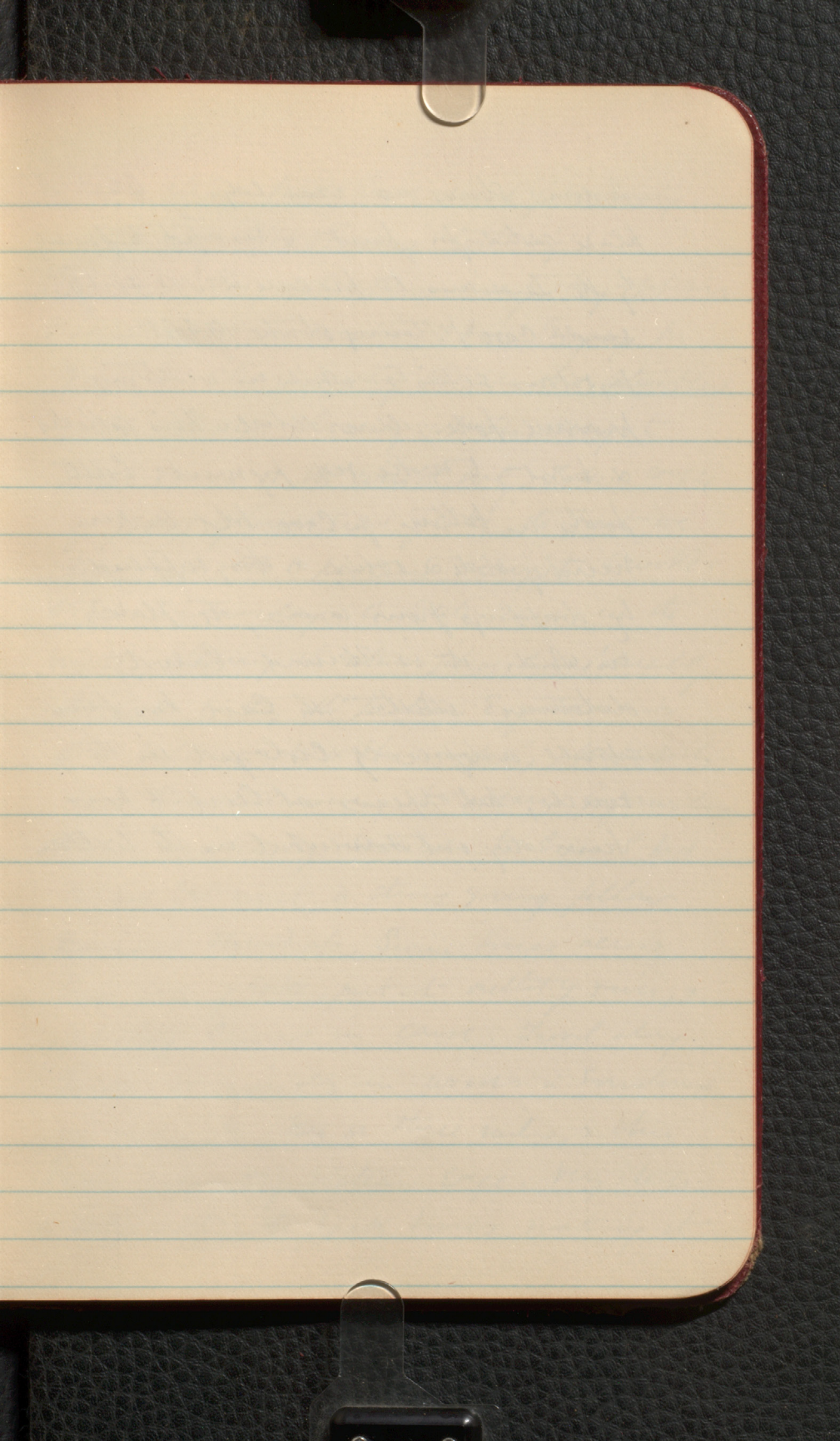
2 Sep. Sunday, on to head of lake & then down  
along E. shore some distance. Camp at 7 P.m.  
for purpose of sounding lake. Food line all  
snarled & have to return to track & straighten  
it out. Get bottom at one place but near middle  
cannot get bottom though bore in all nearly  
1000' of line. Day fine & hot too warm but very  
smoky. Appears clearing a little this  
evening

3 Sep. Monday, on down lake all day, camping  
opposite Skwa-am Bay. Day fine but as smoky  
as ever. Many stops keeping track of rocks.  
See an Indian friend & his wife. Wife out  
in canoe watching for deer which dogs are  
to run into the water, but learn later that  
the deer got away. Get bottom half a mile  
up. Camp at 950'. Soft yellowish mud.

4 September. Tuesday, Reach Camp at  
outlet of lake exactly at noon & find Lykes &  
Jones there all right. Heres all the better  
for a few days rest. Pay off autoins.  
Make a sort of Sunday get the afternoon  
& do not move camp. Day fine, but





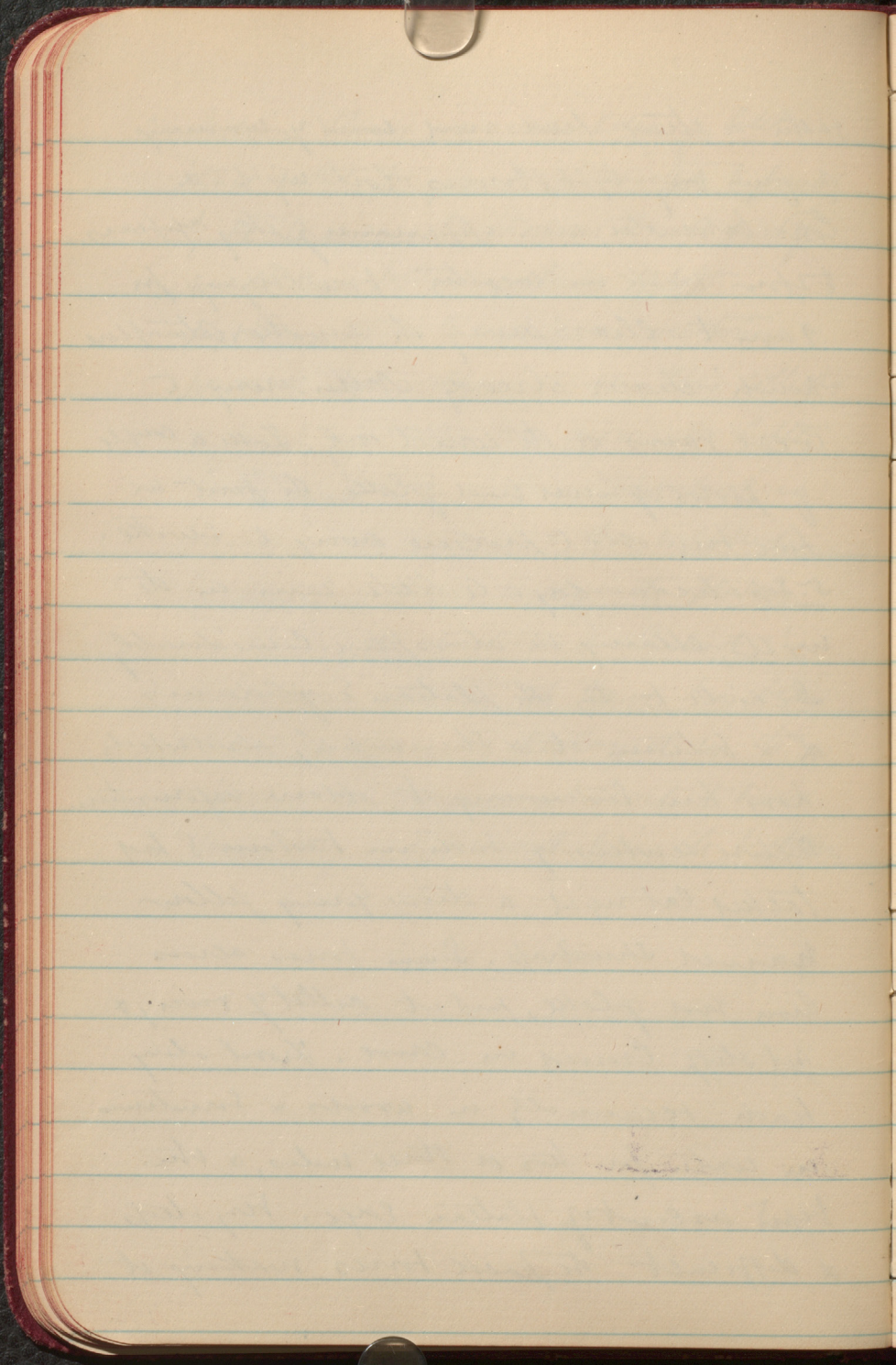


Indian shows us near edge of lake  
place noted for paint & resorted to journey  
by the Indians to procure it. A sort of  
small core following strike of soft  
pyritous schists which in weathering  
produce pale yellow ochre. This collected  
& burnt to make red pigment. Little  
tools in bottom of core hold broken  
mucky slate & ochre & this, supplied  
by droppings from walls, the places  
in which it is obtained. Cannot  
determine whether the case has been  
at all artificially enlarged in the  
search, but appears at least to have  
been dug out somewhat in the bottom

Ind.

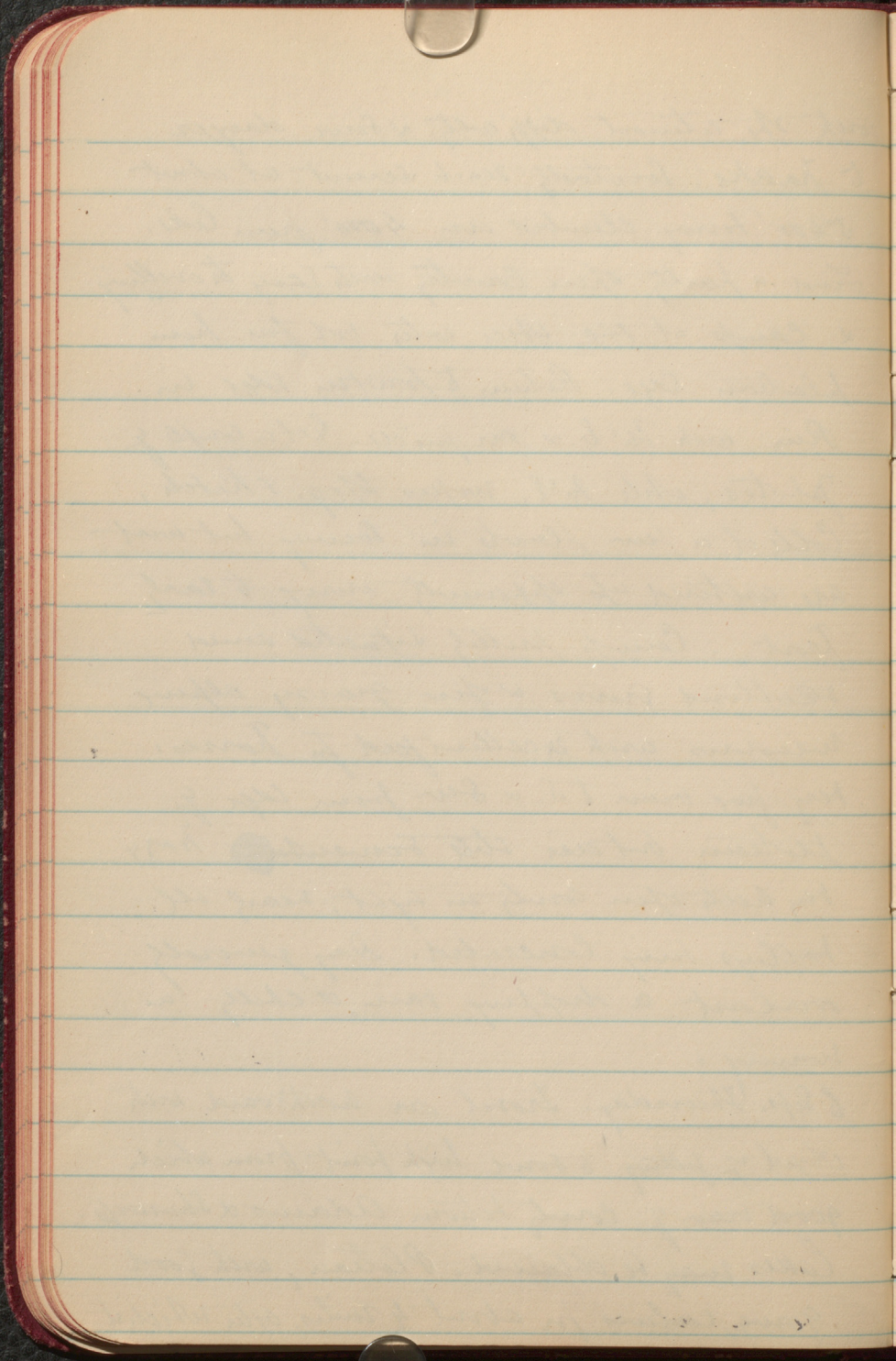
rather a strong head wind early morning.  
a few very light showers last night. &  
Low barometer, with appearance of sky appears  
to show break in weather. Now looking for  
rain to clear away the smoke. Atmosphere  
much clearer already with a view to  
local rains or the wind will. Take a couple  
of photos of lower end of lake, the first we  
have been able to procure owing to smoke.

5. Sep. Wednesday. A little rain in the  
night, clearing the atmosphere considerably.  
Decide to try the plateau E. of Adams's  
& between it & Sherwood's, about which  
have been endeavoring to obtain information.  
Secure services of Indian Tuban & had  
talked last night, a strong young fellow  
named Shushap. Swim horses across  
from west of lake, put at outlet of river, &  
get stuff crossed in canoe. Travel along  
bank occasionally in woods & sometimes  
in water for two or three miles, & then  
begin ascent of plateau edge. Very steep  
& difficult the pack horses making it



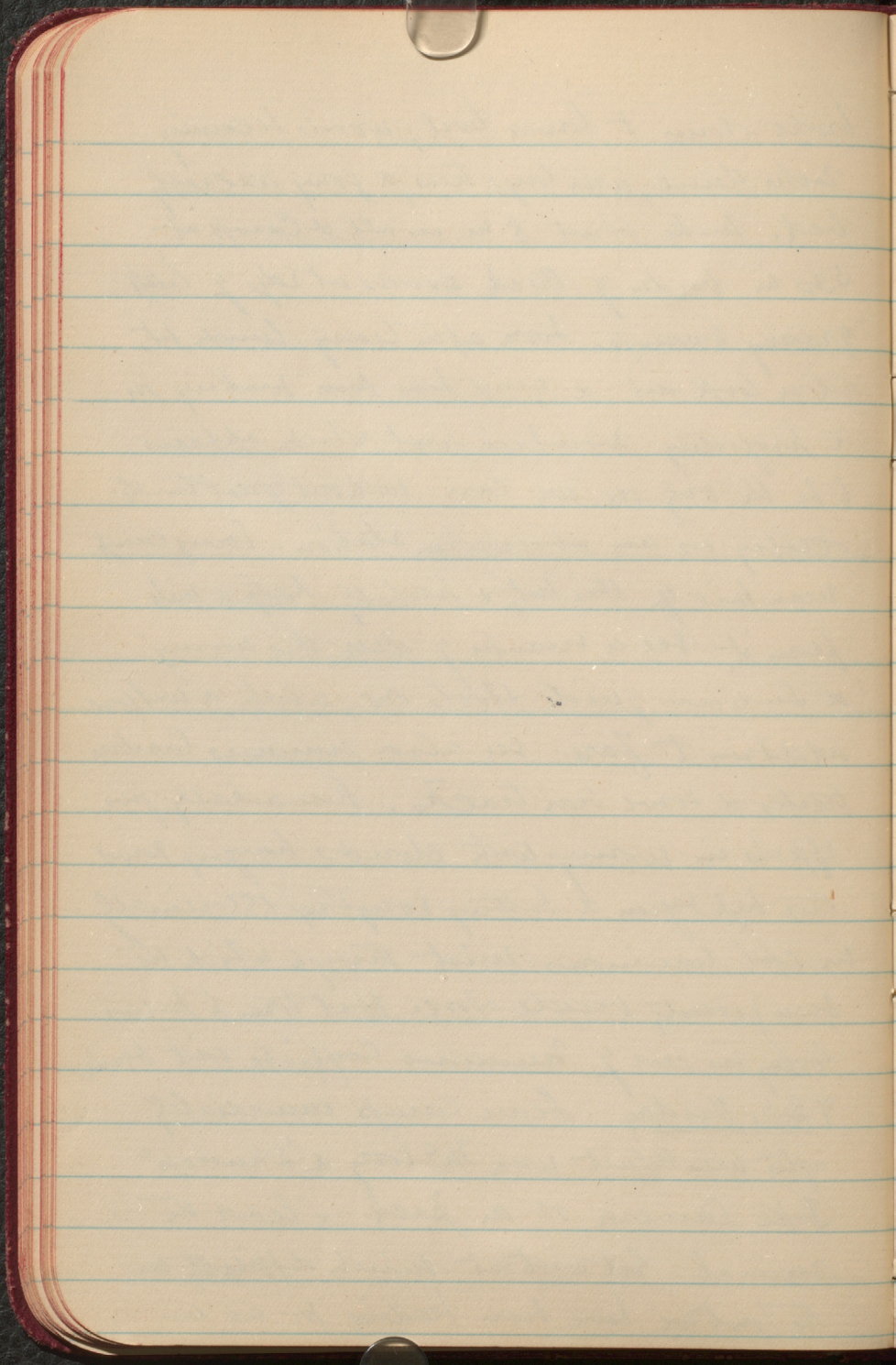
with the utmost difficulty & saw danger  
to packs. Eventually reach summit at about  
5400' having climbed over 4000' from Lake.  
Find a partly open country with easy travelling  
& camp at 130 where water not far from  
plateau edge. Return to further edge in  
P.M. with M.E. & our packs. Get a couple of  
photos, while M.E. makes topog. sketches,  
Collect a few plants in evening but went  
are weathered up apparently owing to early  
frost. Camp pretty situated amid  
scattered grasses & few grassy alpine  
meadows with excellent feed for horses.  
Very fine view to S & SW from edge of  
plateau but air still somewhat hazy  
very little open country in sight, nearly all  
hills being concealed. Day generally  
overcast & dropping rain, & chilly in  
evening.

6 Sep. Thursday. Travel on northward with  
object of getting to some high point from which  
good view of country between Adams & Shumway  
Lakes may be obtained. Plateau, with good  
grazing, continues for about 4 miles, after which it



broke down to lower level, woods becoming  
rather dense, with large trees, & some severely  
bad. Made about 8 m. in all & Camp at  
5.30 in border of thick woods at edge of little  
grassy swamp. Soon after leaving lunch pt,  
got a look out & since have been making for  
a projecting mountain peak which appears  
to be the only one we can without great trouble  
occupy as an observation station. Every camp  
near base of this mt, & probably half a mile  
from it. See a number of deer this morning  
& Indian guide shoots one, which a welcome  
addition to fare. See also numerous Caribou  
tracks & some bear tracks. Remarkably fine  
effects in working with clouds hanging round  
this high region & bathing everything occasionally  
in cool luminous mist through which the  
sun would be visible above. Hat torn & pieces  
today in one of numerous conflicts with birds.

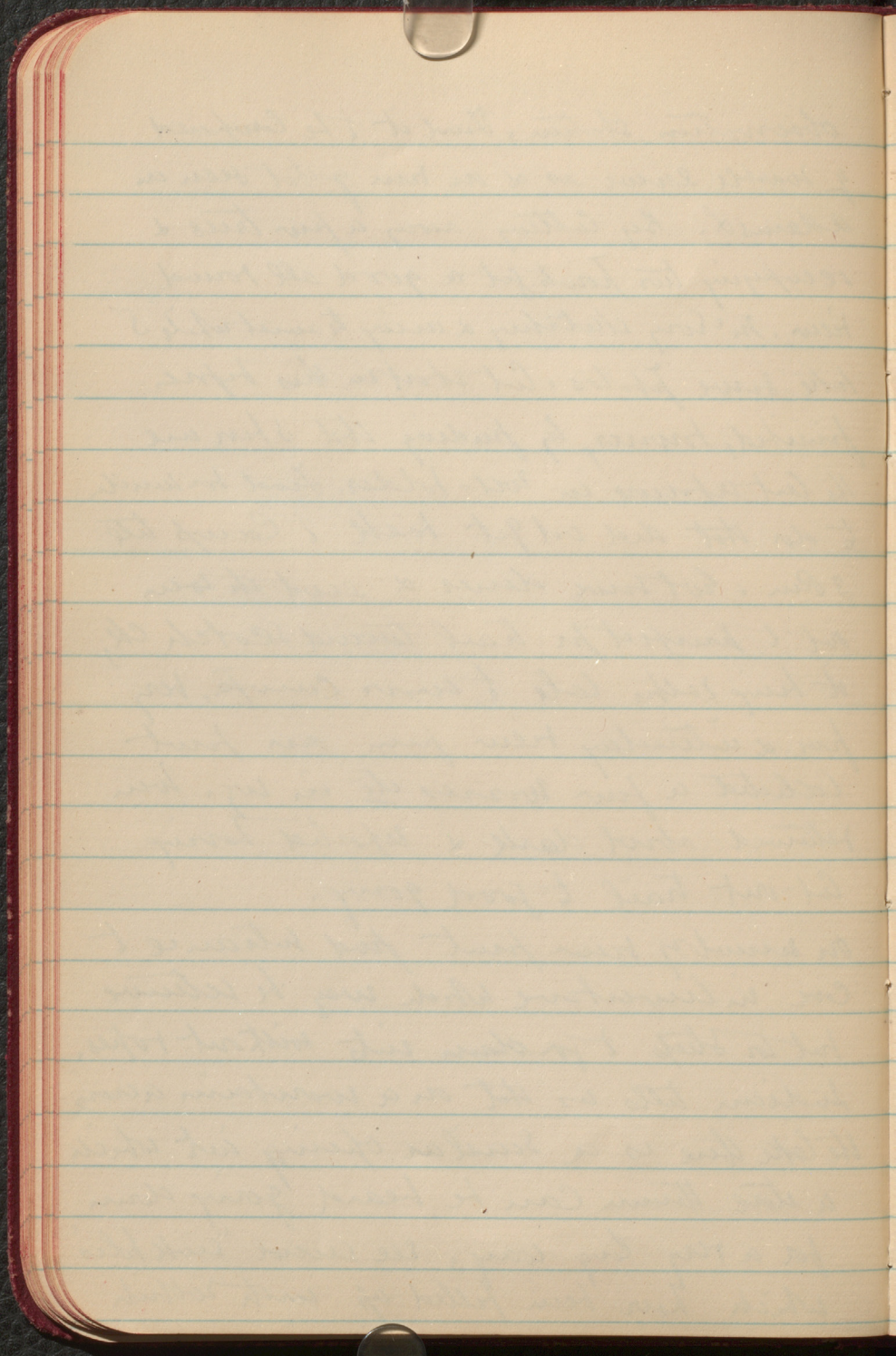
7 Sep. Friday. Leave camp immediately  
after breakfast with McLooy & 'Shushap'  
Take camera on a pack & lead the  
animal. Get without much difficulty on  
the trail we have been heading for as an





observation station. Found it to be composed  
of warble sawe as a on run yet not seen on  
Adams. By cutting away a few trees &  
occupying two points get a good all round  
view. McEvoy sketching & using camera while I  
take sawe photos. Cut short in this before  
finished, however, by finding that I have used  
the last exposure in roll-holder. Found too much  
to do that did not get back to Camp till  
3 P.M. Got sawe done & sent the team  
out to prospect for trail toward Scotch Ck,  
it being rather late to make camp, very  
fine & interesting view from our point  
Collected a few wasps etc in way. Were  
retained about dark & reported having  
cut out trail to good going.

On sunny bear print find entrance to  
cave in limestone which may be entrance  
but too steep to go down into without ropes.  
Indian tells us that on a mountain across  
the lake there is a similar opening into which  
a stone thrown can be heard going down  
for a very long way. See several "sink holes"  
which have been filled up with rubbish



on their first & there may be a system of  
Caves here.

8 Sep. Saturday. Travelled some miles eastward  
over good plateau, occasional open spots, & timber  
generally open. Crossed end of one long meadow  
which as seen from Mt. yesterday extends several  
miles southward. Very pretty bits where trees finished  
from base to summit symmetrically stand in  
park like groups with grassy meadows between.  
Open woods at this elevation (5300') have occasional  
sticks of *Lupinus* or *Subalpinus* up to 3' diam,  
frequent up to 2'. Carpeted with valerian (?) very  
largely & other plants of similar growth with here  
& there robust tufts of white hellebore (*Veratrum*).  
Our guide confesses that he has never been here before  
but says he will do the best he can, & eventually  
decides that having gone far enough on plateau he  
will dip down to Sedch Ch. Valley. This meant a  
descent of about 3000' at least, & the farther down we  
went the rougher it got, steep side hill eventually  
becoming almost solid granite, with plenty  
fallen timber as well. Got down about 3 pm  
to a rough little flat on border of branch of

Question of alpine summer pastures,  
Attention should be drawn to. E.g. the plot on  
E. of Gladwin's & which we have just come over.

Progress of pastoral settlement in S. of A.S.,  
Shows that time has come for utilizing these  
& also the great western. (Chilcotin, Chillaw  
etc) Country.

Scotch Ck, which runs in what practically a  
Canyon. In making the descent, however, the loads  
were rolled away logs & got by broken so that  
obliged to short her. Went out in evening till quite  
late endeavoring to find a route up opposite bank,  
the going in hillside about it looking fair. This  
branch of Ck, a rushing torrent. Spent a small  
but got at Camp.

9. Sep. Sunday. Men occupied all morning  
finishing the cutting & grading of a trail up the  
mountain side to E. of Creek. Got away at 1 P.M.  
& have to lead all the animals up for the  
first 300 in all, the trail being for dangerous  
a character. Have to keep sharp look out for  
stones bounding down as conveyed by the  
horses as they climb, afterwards not quite so  
rough, but a good deal of chopping here & there.  
Shully, however, to our great satisfaction, strikes  
a recently travelled trail, which 'Shurbops'  
says is a berrying trail, & follow it down  
easily to flat - at forks of Scotch Ck,  
where camp, glad to give the horses a  
chance to pick up some feed. Flat has

Possible arrangement of older rocks  
in descending order.

1. Green schists of Adams Green schists of  
L. with limestone bed W. Spruce Crk etc?
2. Grey schists of Adams L.
3. Black schists of Adams Black schists  
L. with same of Shunwap do of Anderson  
L. Cherry Crk ?? etc. R.?
4. mica schists of green mica schists  
of Adams L, L. Shunwap greenes etc of  
L. etc. Coort ranges?

been worked on for gold & no good Cobin  
still standing. Day five, tough blizzard &  
dropping rain in the night.

10 Sep. Monday. Down Scotch Cr by will  
beaten tough rough belly trail with steep pitches  
up & down sides of gullies. Dust horrible.  
Stop for lunch on shore of Sheswop Lake.  
Find that we must cross stony on Adams  
R in Canoe, though horses can ford. Find  
an Indian near & get everything safely  
over. Camp on W. side Adams R at  
month. Take a couple of photos of lake.  
Pay off Lushops, & make arrangements  
with another Indian for hire of horse to  
replace that killed. Indian informs us  
that he could have taken us without  
difficulty to highest point between Adams  
& Sheswop Lakes, which we only saw.  
Improvement comes too late. Almost  
inclined to turn back, but find that  
the trip would spoil a week badly &  
do not feel warranted in making it.

Ind.

The large flat at mouth Adams R,  
between the lakes, in places pebbled with  
numerous old Keekwally houses & fish  
Câches. Similar traces all about Indian  
village on Adams' L & on opposite  
side where our Camp was, also at  
the village site at outlet of Little Lake.

Lakes

Little Shunwep L. has fallen at least 2  
feet since we were here a few days  
ago. These lakes & rivers lowest in  
winter months & in early spring & late  
autumn.



11. Sep. Tuesday. After lengthy negotiations last night we have succeeded in buying a little pack horse to replace that killed, paying \$28.00. Traveled down to old camp at lower end of Little Shumway Lake, arriving at noon. In P.M. Cross to store on opposite side & get as good a supply as the place afforded. Bought a box back to camp for specimens & sent Mr. Long to station to ship box to Rawlroops & get letters in morning, having telegraphed for them & also for a supply of bacon of which can get none here. Wrote a few letters.

12 Sep. Wednesday. Copious supply of whiskey in camp last night, & Sykes under alcoholic influence all day, try Cognac & little use. Got away from camp rather late, & paid Mr. Long on trail on way back from station with bacon which had arrived from Rawlroops. No mail, however, as it seems mail for this place from Rawlroops taken eastward on train, transferred to west bound train where they cross & dropped in the evening. Being anxious to get mail, & also

Geol. observations made today (Sep. 12) seem  
to fit in form of theory that green altered  
volcanic rocks of int. plateau region become  
involved with gneisses etc of Gold Range axis of  
alteration & changed bodily into green & grey  
(Harman looking) schists than found. Am  
however, less ready than in 1877 to believe in  
this without strong proof & must hold the  
question in suspense at present. Observations  
later made on proterozoic schists by steaming  
& pressure, however, seem to show that such  
change quite possible. Much more likely that  
a general change of this kind on approaching  
great lines of metamorphism than local differences  
local differences of alteration such as formerly  
suffered, perhaps to too great a degree, in  
attempting correlation of rocks about Shoshone  
Lakes. The gneisses & coarse mica-  
schists, passing into granitoid rocks may  
perhaps have separable as an Archean  
series.

well pleased to examine rocks S. of Miscoolith  
Ck, moved on w/ that place & camped, spending  
all Pm. riding out on hills to Southward, &  
making some interesting observations there.

Send "Sushak" who has stayed with us since  
I paid him off, to Station to wait arrival  
of train at 9 Pm & bring down mail. Day  
cloudy, apparently threatening rain but clearing  
in pm with strong southerly wind. Swoke which  
has been gathering round again for past few  
days, considerably abated.

13 Sep. Thursday. Indian messenger returned  
without the mail, which had not arrived. Decided  
to make state another messenger & eventually  
waited all day for mail. Mr. Long went to  
Station & by telegraphing both ways found that  
the mail had been carried but was on  
the way back, having been transferred to  
second train instead of first parcel.  
Sent messenger again this evening to Station  
& sat up till late, but he did not return.  
14 Sep. Friday. Messenger came back early  
this morn. with mail! Found nothing needing

The culture hero or mythical creator  
of these Indians (Shuswap or Salish of  
S. B.C.) is not a man, like Us-tas etc of  
the north, but is personified by the Coyote, under  
the name of Skil-ap'. This not the name of  
the ordinary Coyote (sin-a-hoo'-ha-loop) but  
a proper name. The interior country peopled by  
Indians in these days, but the Soliman could  
not come up the Fraser in consequence of a  
dam (at Hell Gate Cañon) which two old women  
had made. Skil-ap' told the people he would ~~get~~  
bring the Soliman up for them, that he would go  
down & break the dam, & that they were to  
watch for a great smoke which he would make  
when on his way back. He turned himself into  
a smooth well shaped piece of wood & floated  
down the river till he lodged against the dam.  
Soon the women came to get Soliman & seeing  
the piece of wood, said we will make a plate of  
this, & did so, but three times when they put  
a roasted Soliman on the plate the fish disappeared  
for Skil-ap' ate it. Then they said there must  
be something wrong with this piece of wood &  
threw it into the fire, but no sooner had they

Ind.

immediate attention. Packed up & travelled  
northward toward Tod Mt & mouth of  
Toni's Creek in N. Thompson. Made about  
13 mi & camped near base of mt., in wide  
meadow flat in valley which we have been  
following, along which a fair good trail runs.  
Day fine, but smoke gathering round a little again.  
Light frost last night.

15 Sep. Saturday, all morning ascending  
Tod Mountain by rather stony steep trail,  
which used by the Indians when hunting &  
berry picking. Stop for lunch as we appear  
near actual summit & intend to camp, but  
finding that highest point about a mile & a half  
away, were again & camped by a little rise  
at base & 500' below summit. Took photo. & then  
ascend summit, though smoke, which has  
been gathering up all day, evidently too dense  
for work. Examined rocks etc but see almost  
absolutely nothing. Falling barometer & a few  
drops of rain after dark seem to promise  
better outlook in morning. Tent an extensive  
area of open ridgy country of unusual beautiful  
alpine character, though scarcely any plants were

done so that it began to cry like a child,  
whereupon they snatched it from the fire, washed  
& dressed it, it being apparently become a child.  
They watched the child grow, but always  
kept him tied up so that he might not get to  
the fire & when the women went away skin-cup  
used to put on their Salomon & other good  
things. At length, when they were away one  
time, he put a hard covering on his head so  
as to render himself invulnerable & began to  
dig away the dam & break it down. When this  
was only partly finished the women returned  
& assailed him with clubs, but owing to his  
precaution could not hurt him & he finished  
breaking down the dam. When he had done  
so the Salomon began to come up over it tumbling  
one over the other in great numbers. Then he  
followed the front of the Salomon & made a  
great swike as he promised so that the  
Indians knew he was coming. Just  
below Sonona's he stopped for dinner &  
made a dam or weir where he could catch  
some Salomon where there were high rocks now  
are. So the Salomon went into all the rivers

2nd.

Remaining in bloom. See a pine deer in Penn  
but too far off.

Among dry lone stones on my summit of Mt.  
(6750') found extraordinary number of red  
body-bird beetles, congregated in little clusters,  
also two or three other kinds of insects though  
not so numerous. I suppose to understand how  
all these body birds got to this one place.

16 Sep. Sunday. Rather fine day, but extremely  
smoky. Had no intention of making a  
discovery, but reluctant to leave this fine  
point without getting outlook & sketch. Waited  
all morning in hope of clearing in Penn  
all seen in hope for tomorrow, a falling  
barometer giving promise of rain. Paid  
S. Skaps & let him go off as we can  
find our way now without him. This is  
a beautiful alpine country & a month  
ago would have been very attractive. Autumn  
colours now pretty on grassy slopes  
contrasted with blue-green spruces which  
scattered in clumps, but flowers all  
dead. Got a lot. obser. on Altair in  
evening.

of the County. On the Clearwater he found  
the Indians working a Solomon dam &  
said I will do this for you. Here we may be  
seen steep rocks on either side of the river &  
a basin above where he fished with his sloop  
net & which is a noted Solomons fishing  
place to the present day. Also on the rocks  
may be seen the prints of his feet where he stood.  
It seems that Skel-ops is expected to return  
again "when the world turns" or goes back  
again to old times — a sort of great cycle.

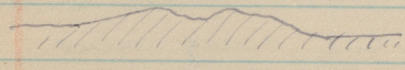


17 Sep. Monday. Some rain & much  
wind in the night. A glimpse of sun  
as it rose then rain & clouds driving  
across the hills. Rain appears clearing  
so far up on summit, taking Camera &  
transit, very broken rough weather, cold  
strong wind & passing showers of sleet  
& hail. Very glad to crunch wood a little  
fire which we managed to make. M<sup>c</sup>E.  
made out a fair sketch with patience,  
but I got no chance of using Camera.  
This must be a magnificent view from  
fine weather.

18 Sep. Tuesday. Heavy frost in the night. See  
43 inch thick & grass & tents heavily covered  
with hoar-frost. Got away from Ford Mt. Camp.  
all morning making descent to Louis' Ck.,  
which we strike some miles lower down than  
where we left it. Trail rough & steep. Run  
on down Louis Ck. valley northward, camping  
at important branch which apparently  
comes from southward.

On flats near mouth of Barriere R  
numerous traces of old Kikwally houses  
& fish Caches. The tokens gold Indian  
Camps, of an enduring character, in  
this County, of 3 kinds. Old houses,  
upraised by depressions say 10 to 30  
feet diameter, & after degradation  
sancer-shaped. Old fish Caches, similar  
pits but deeper in proportion & from  
3 to 6 feet diameter. Old root-baking  
places used probably for *Lilium Canadense*  
roots, but possibly also for others. These  
are thus in section, & might easily  
be mistaken for

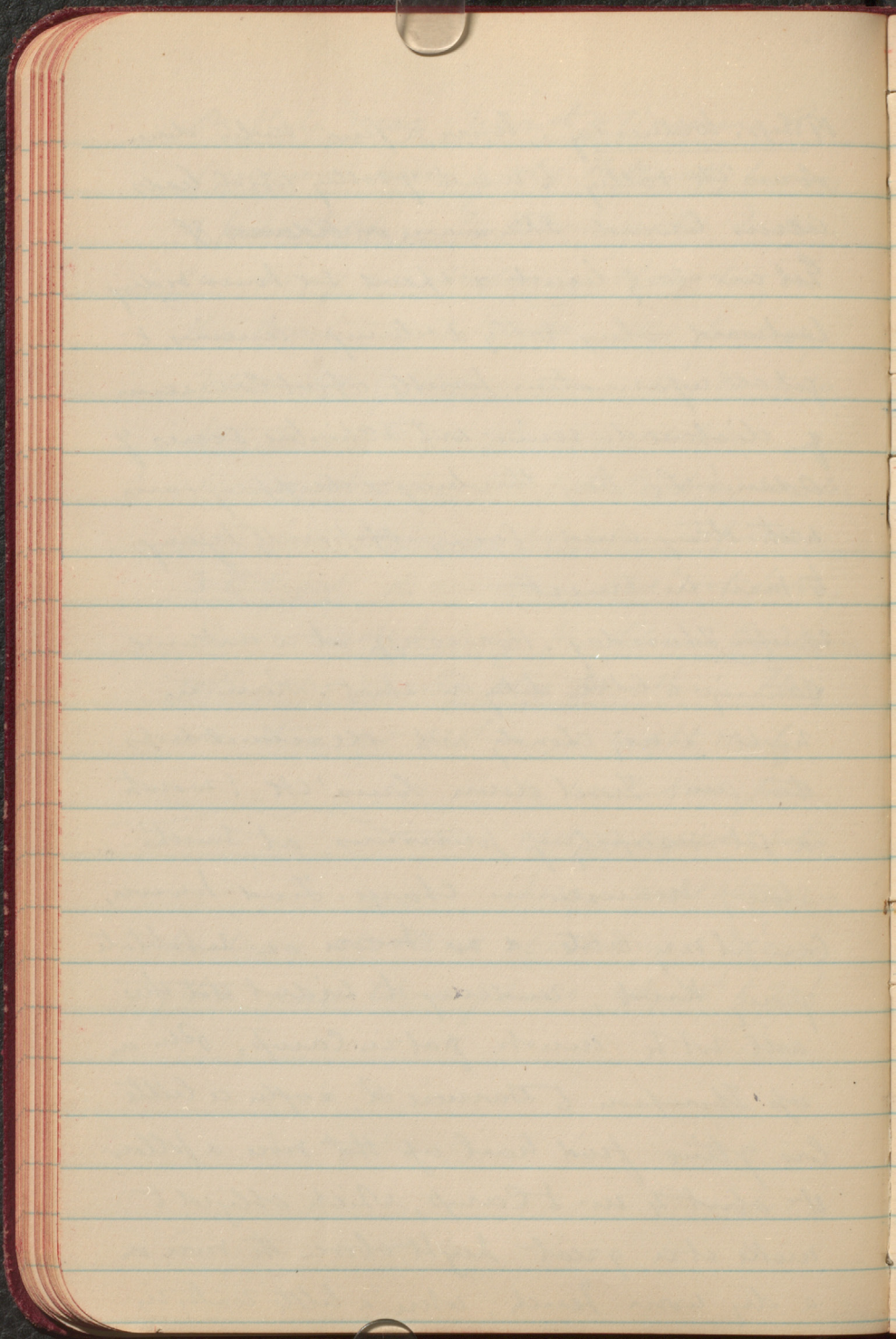
244



old sacrificial sets  
having burnt stones in  
abundance scattered about them. Di'arn  
of these from edges of base say 15' to 20'

19 Sep. Wednesday. Wore a few miles down  
Louis' CK valley to mouth of valley which leads  
across toward Skwa-am on Adams L.  
Get an early lunch & spend set hours riding  
backward along valley & returning. Awaiting to  
get all information possible about connection  
of diobase ~~etc~~ series with Schistose Series of  
Adams L. Day threatening & dropping rain  
with strong wind. Evening apparently trying  
to rain in earnest.

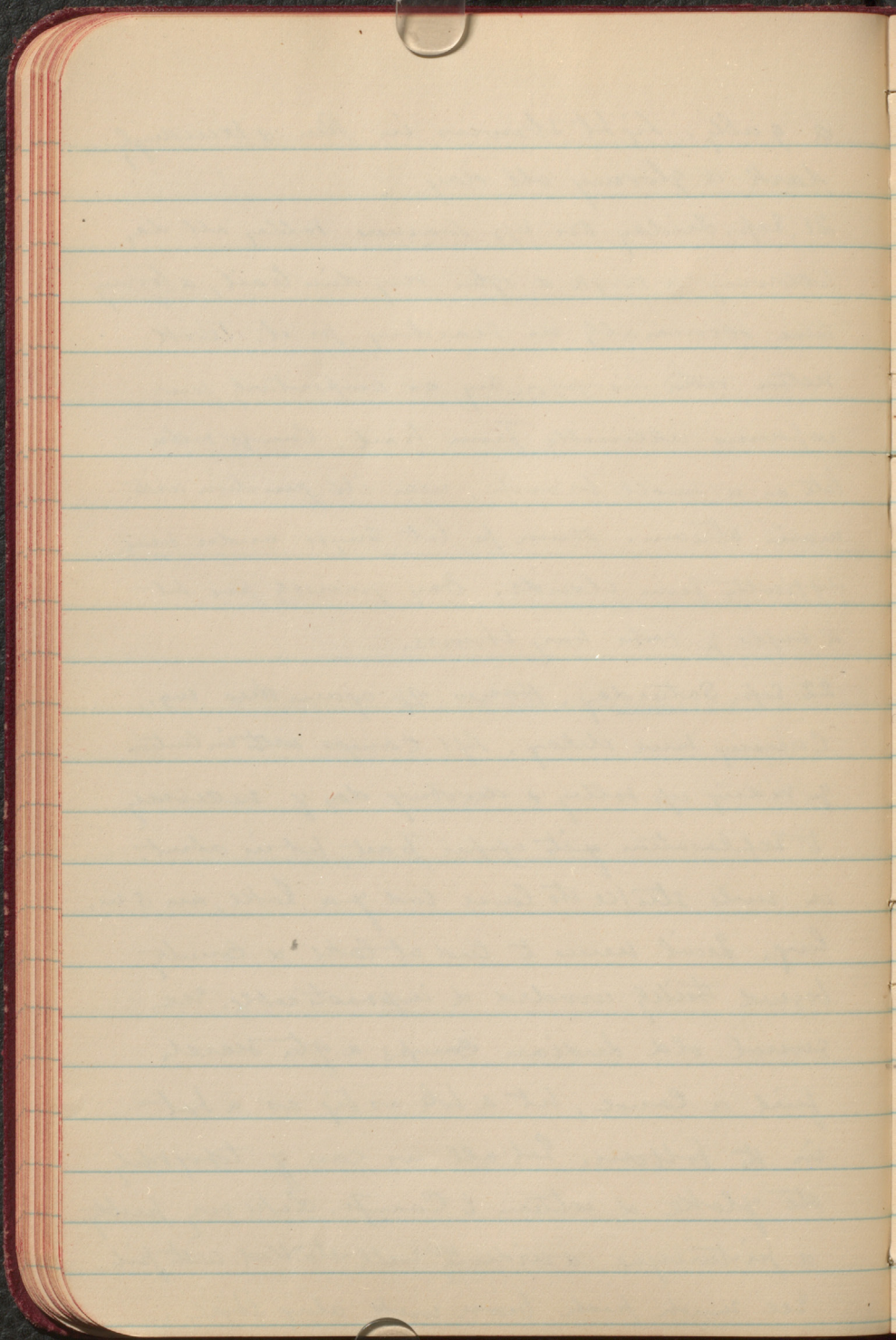
20. Sep. Thursday. Horses off at a distance  
causing a little delay in start. Rain in  
night & very cloudy with occasional drops  
this am. Traveled down Louis' CK to mouth  
& got resupply of provisions at Smith's  
store, Mausem in charge. Food, however,  
can get very little & no bacon or substitute  
of any kind, rendering it evident that there  
will not be much food in camp. Ran on  
up Thompson to Barriere R, & after a little  
loss of time found trail up that river & follow  
it about 4 m. to camp, which obliged to  
make at a great height above the river on  
a dry worn bench, where a little water in



a gully. Light showers in Pm & exceedingly dark & gloomy all day

21. Sep. Friday On up Barriere valley all day, following a rough & often very dim trail, a long time occasionally in searching for it. Rock section rather disappointing as comparatively few exposures accessible from trail. Camps rather late on a small branch, near its junction with main stream. Struggle for light under some difficulty from clouds. Day generally fine but a couple of rather heavy showers.

22 Sep. Saturday. Horses off again this morn., causing some delay. Left Camps with intention of riding up valley a driving day if necessary to exploration gets upper part, but in about a mile strike the lower end of a lake, over 3 mi. long. Trail seems to end at lake & country beyond thick wooded & impracticable. See several old Indian Camps & after search find a canoe, but a hole as big as a hat in the bottom. Get all we can of topography & return to Camps. Lake very pretty & picturesque & evidently well stocked with fish. See much fresh beaver work along shore.

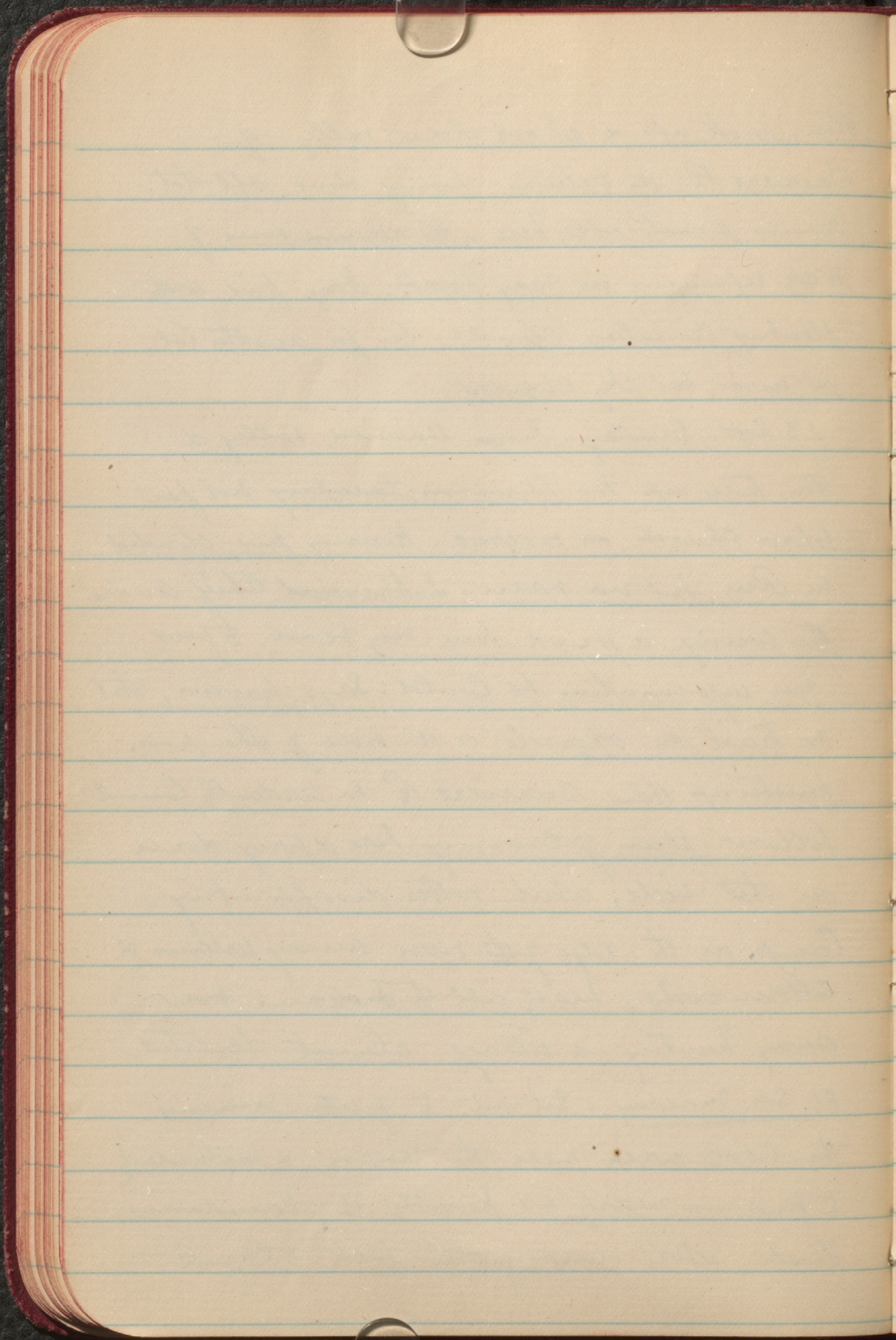


Ran, pack up & set out down valley of  
Barriere R. on return, being done all that  
seems practicable here. Re-examine some of  
rock exposures on way back. Day fine with  
floating Cumulus clouds. Temp. in another lat.  
at noon, but sky clouded.

23 Sep. Sunday. Down Barriere valley &  
then turn up N. Thompson, Camping not far  
below Church, on reserve. Morning fine, clouded  
in P.M., but no rain. Interviewed Chief Andre  
this evening & persuaded him very ready to give  
any information he could. Says, however, that  
no trail on opposite or W. side of Thompson  
further up than Barriere R. so evidently cannot  
follow plan of crossing here & going down  
on that side, which rather disappointing.

Camp. on the edge of the river among willows &  
alderwoods. Many all the Indians now  
away hunting & village almost deserted.

24 Sep. Monday. Set out to further examine  
the coal area near the reserve, & particularly  
to find as nearly as possible its boundaries.  
Took whole day, getting back to Camp





about sundown, met a Mr. Sumpster  
who has taken up a place on opposite side  
of river from reserve - the furthest up settled yet.  
This is now building on contract the new  
Indian church. He obligingly accompanied us  
nearly all day, & besides able to relieve  
our immediate necessities by selling us  
some bacon & sugar. Told us also that he  
thinks there should be no trouble getting down  
river on West side. He has himself been down  
to opposite mouth of Louis' CK. On return  
to Camp found that Chief Andre' has sent  
some dried salmon & dried deer meat,  
having heard that we were out of meat.  
This of course I will pay for but difficult  
to know what to offer for unpriced &  
unsolicited offerings of this kind. Engage  
an Indian to go with us tomorrow & give us  
pointers on the route.

25 Sep. Tuesday. Get off a man & pack near  
belong which led place to Cross river. Get a  
man & canoe & get all stuff over, swing  
horses. Get an early lunch & leave at noon  
with our new guide. Get back to Camp, which

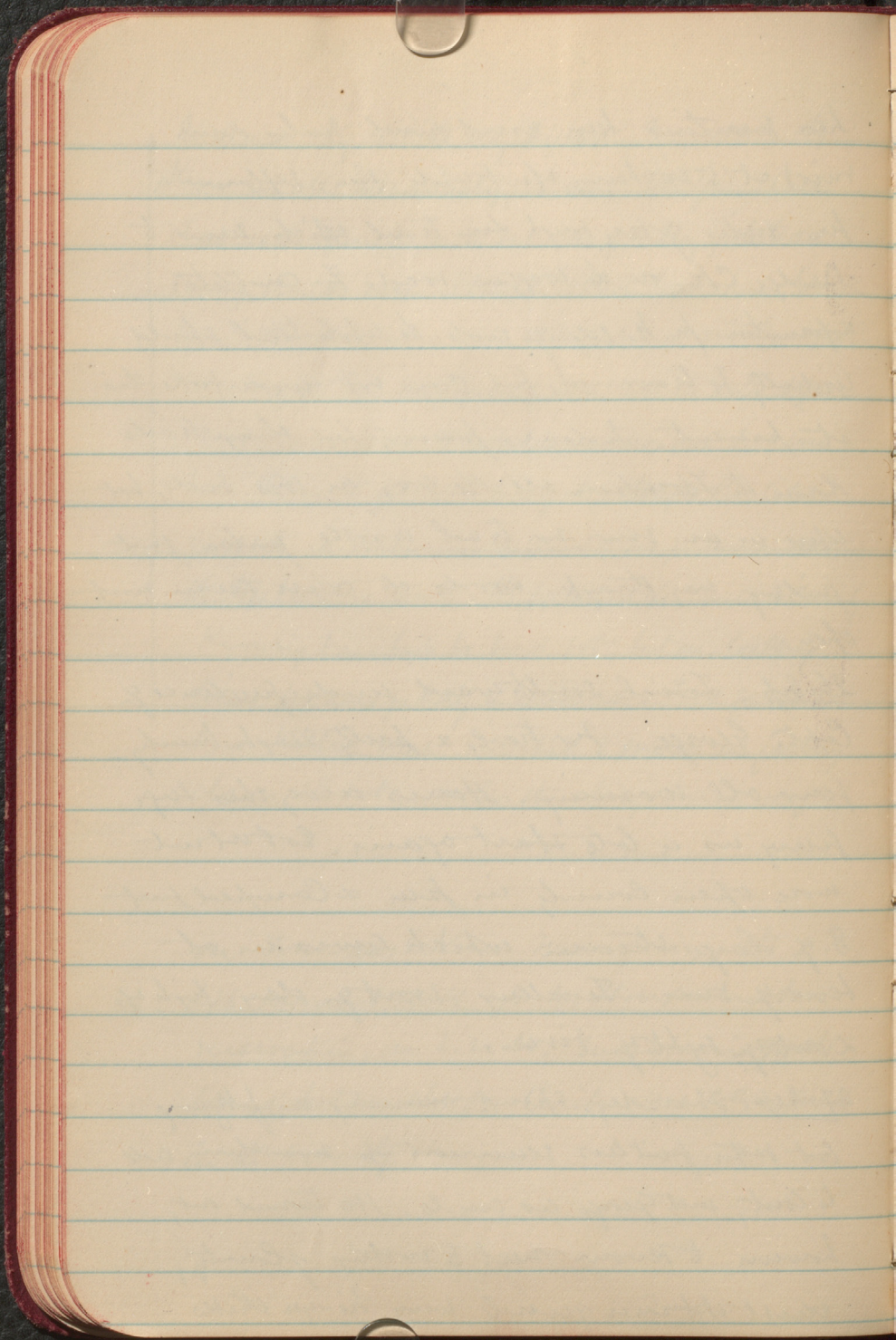
Indians say that the very highest mountain they know in all this County, is near Tete-janus Cache - about 10 m. from it, on the N. side of valley, the trail runs along its base. This is called Guk-hai-has'-ken from the appearance of a spiral road running up it. They say it is prodigiously high, all the other high mountains being much lower. No one has ever been known to get to the top of it, though the late Chief of N. Thompson reserve (Joe) was near the top hunting goats. He followed the goats <sup>scarcely</sup> knowing how high he had got, but on looking down became giddy & returned. Two goats he had killed were swished to pieces in falling down the mt. - So the story runs. -

on Four-wes'-ken mountain, the high prominent peak of N. Thompson above reservation, on E. side, mountain goats found, but no sheep. Caribou are also found in its vicinity

has meantime been moved several miles down  
river) at 5:30 having spent whole day exploring a  
few miles of very rough deer trail which seems to  
Bridge Ck, on the wagon road. For complete  
information for H. edge of map the whole trail should  
certainly be traversed, but can not undertake this  
at present. Indians formerly had string trails  
down the Stomphen all the way on this side, but  
when we are over our trail visible, perhaps just  
finding way through woods etc where seem most  
open.

26. Sep. Traveled southward under guidance of  
Capt. George. No trail, a pretty rough brushy  
ferry all morning. Horses along this large  
ferry us a late start again. Got out into  
more open country in pm & camped just  
S. of large stream which curves in at  
head of river. Travelling most of day high up  
& out of sight of river.

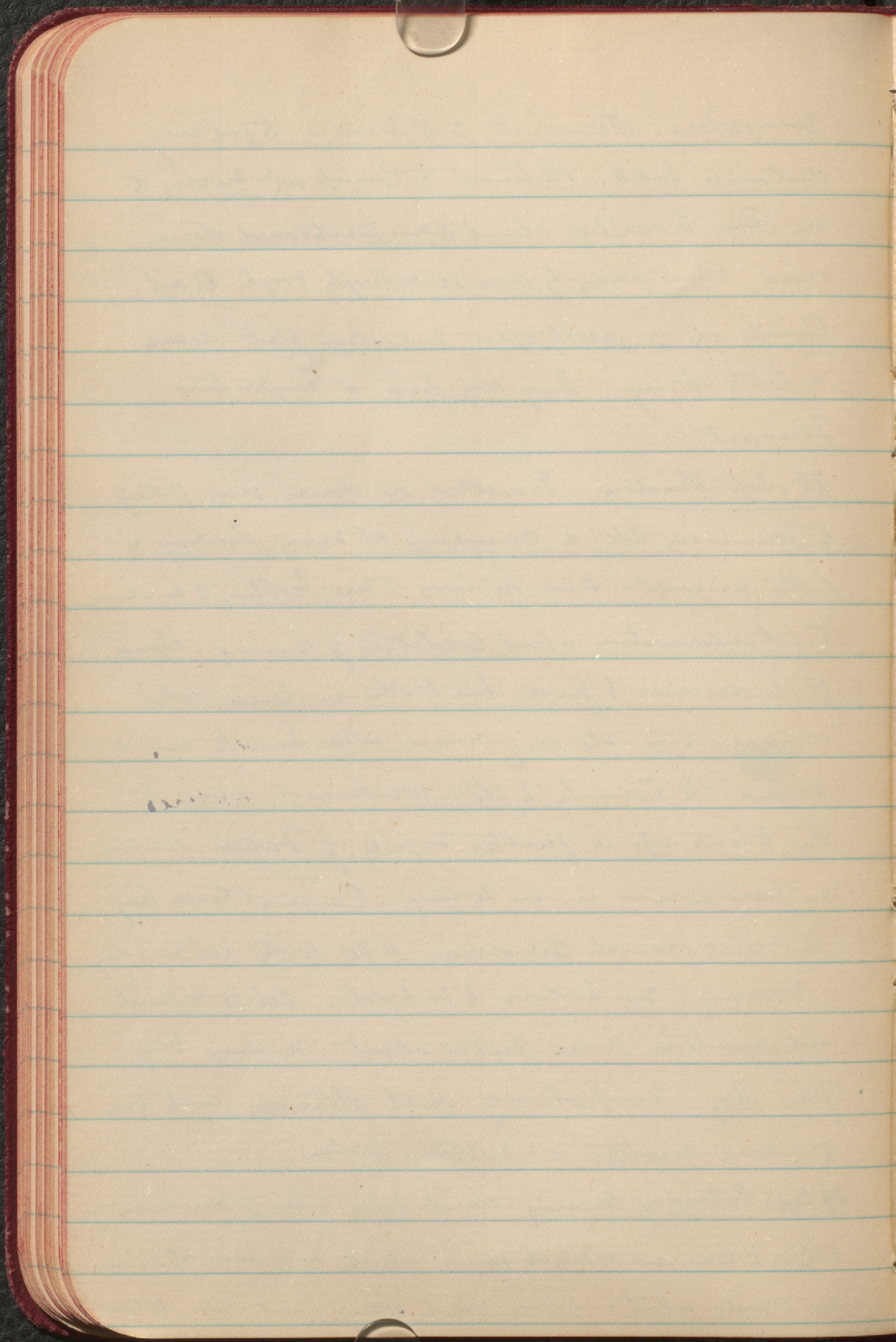
27. Sep. Thursday. Spend morning on fatiguing  
but rather fruitless excursions up mountain side  
to west, with George as guide. He turned out,  
however, to know next to nothing of country,  
except that in a general way his own sticks



Everywhere. Found it not possible to get any distance back. Retired to Camp at noon, & in P.m. travelled about 5 m. Southward down river, westward by an exceedingly rough trail. Camp on a pretty open meadow flat near a little spring. Day very fine & temperature pleasant.

28. Sep. Friday. Travelled on down river, getting to Jameson Ck & camping at noon. Feeling a little unwell. Sent Mr. Long to Mr. Nobles, 3 m. down, to get information about localities of mines. Sent to endeavor to find his brother-in-law who appears to be the only man who hunts in & runs the County to the westward, also to try to look up a further supply of talon. Brother-in-law comes in in evening. Cannot hear hay, but will furnish tomorrow & go with us Sunday morning. No talon to be had. Little definite information from Noble about mines. Very fine day. Unpleasantly dull afternoon with no reading matter & nothing to do.

29 Sep. Saturday Morning climb hills to N. of Jameson Ck, to examine quartz veins which have been opened up to some extent. Get a good view west about 1000



above camp. I've purposed y<sup>e</sup> whole river a valley, as  
well as mountains occurs, but town y<sup>e</sup> Kawloosh  
shot off. Pm spent in hills to S. y<sup>e</sup> ck, but unable to  
find any glaciers said to be choked off there. Have  
arranged with Indian named Puresere, better in  
law to Bona to come with us as guide tomorrow  
in country to W. Send across river to Sullivan's,  
& to Macaulay's place near camp, & call at Noble's  
on way back in evening to Indian to collect supplies.

Recall up all this foraging some wool, a few candles,  
one small ham, 4 pounds butter & some potatoes  
& turnips, giving us with what already in camp  
plenty for a week or so. Another splendid day.

Autumn tints becoming very white everywhere.

30. Sep. Sunday. Our new guide Puresere, turns  
up all right. Get off & travel up hills on W. side of  
Thompson valley Syfaween ck. Stop early for  
lunch as no water for a long way ahead. Messenger  
arrived as while at lunch with news that Sykes's  
daughter was in a dying state at Kawloosh.  
Sykes of course wanted to get away. Sent  
him off with a note to Mr. Mara asking him  
to pay him \$20 on acct. Puresere to take his  
place for the time. P. promptly after Sykes

30. Sep.

Caribou said by Indians to have formerly been abundant on high Plateaus to N. of Rauloops & etc. now none. Found, however, abundantly in winter at least in Horse Fly County & beyond Bridge Cr. also about the Clearwater R. The name of this high plateau means 'Caribou Country'.

Elk said to have formerly been abundant on both sides of R. Thompson & in high country alluded to. now none.

Mountain goats nearest here found on mountains near Clearwater.

Name of 'Caribou Country' above Sel-woy-a-hun it has survived the local extinction of the Caribou.

2. Oct. Mountain or prominent point toward which we are travelling (Sko'-whoatl) the object of some superstitious reverence. Indians going up to fish in lakes in its vicinity blacken their faces with charcoal. to propitiate the mt. Name means "the pointed" or "sticking up".



departure began to ask how much he was to be paid for double duty as guide & packer etc. McEvoy showed him that the packing could be done without him & shortly the matter was arranged. Travelled on in Rain through thick woods, which were on fire for we slouch'd about half a mile. Camped near little swampy meadow, where water & some feed, in a dense spruce wood of tall straight trees.

1. Oct. Monday. Travelled on northward, following Prosper's hunting trail for some distance & where it ended striking out without trail under his guidance. Cross Jameson Ck far up & then climb long hill to level of plateau which turns out to be formed by Basalt. After reaching plateau much open alpine country, at level of 5400' or thereabouts. Lakes & little streams. All would be good travelling but for fire, which have swept over, leaving much dead down timber in places.

2. Oct. Tuesday. Travelled on in a very crooked course making most northing, through thick burnt timber, working our way through as well as we could. Strike head waters of

2 Oct. It seems that besides Skil-ops there  
was long ago another great hero, in the form of  
a man. The story is that this hero had no father &  
no relatives, but only a mother. He travelled in a  
different direction from Skil-ops & never met him.  
Started from Adam's A. Country, name <sup>(1)</sup> Kivil-i-elt  
was travelling along when two brothers named <sup>(2)</sup> Klee'-sa  
& <sup>(3)</sup> Look-im-in-elst' spied him. (These brothers also  
of the same hero or demigod breed) Said we will have  
some fun with this traveller & as he was passing  
below kicked down a huge bluff upon <sup>(this was somewhere not far below</sup> <sup>Saprona)</sup> him, but  
when the dust blew away he was travelling on quite  
<sup>this they tried four times, then!</sup>  
unconcerned & said 'What are you trying to do, you  
cannot injure me. Then the three formed a sort of  
partnership & became as brothers with the object  
of putting everything right in the world, & warring  
with the various monsters which then inhabited  
it. Among the things they did were these. —  
A trial of strength was made, proposing that they  
should push their heads against a rock & see  
which could make most impression. 2 & 3  
managed to make dents in the rock, but 1 said  
that is nothing & pruned his head in to the shoulders.  
This was at a place near Mundarf's & the holes are

Tranquille R, & finding a high basalt front from which good view, stop to make observations, sending packs on down to ck. for noon. Then, after climbing hills to W. of ck, get into country almost burnt clean, consisting of flat-topped hills separated by wide & not-deep valleys, with numerous little lakes. Much of ground almost devoid of vegetation, except willow bushes & young aspens & pines. Surprisingly however any sort of soil is to be found in the high uplands. This country must have been burnt last a number of years ago. Get into very bad fog, with much chopping, along the edge of a lake named He-ah'-kwa or Long L, toward evening & keep on till nearly dark before finding a little spot on marshy shore to camp. Fine day, but rather smoky in the distance.

Get occasional views of the mountain for which we are heading (Sko'-whoath) It looks less elevated than I had supposed & besides begins to appear so steep & rocky that I doubt whether it will be possible to scale it. It stands up some hundred feet above surrounding country like a sugar-loaf, but a little lop-sided.

still to be seen there, but there was an Eagle warrior  
which killed men. I proposed to attack it. He had  
a stone weapon of some kind, & unknown to the others  
filled one side of his mouth with red paint (from  
loc. on Adams' I) the other with white earth. When he  
approached the Eagle it swooped down on him & caught  
him in its claws by the head & ~~traced~~ carried him up  
to a high rock & endeavored to dash him against it, but  
he wounded off the blow with his weapon & at the same  
time spat out the red paint on the rock. Then 2 or 3  
said - see our friend gone, see his blood - at a  
second blow he did the same & spat out the white  
paint, whereupon they said - see his brains. - Then  
the Eagle thinking him dead took him to its nest,  
where its 2 young ones were. But I struck the  
Eagle with his weapon & killed it & told the young  
Eagles, which could already fly, that they must  
take him down to his friends to the very place he  
set out from. This they did, one supporting under  
each arm. Then he pulled their tails out & said  
"be you every Eagles doing or harm to any  
one in future". at Saronas there was a great elk  
in the middle of the river which used to kill &  
eat people. I made a raft, while the others watched

3 Oct. Wednesday. Men & McE. out prospecting  
for trail ahead & chopping it out. Return about  
10 am. Meanwhile tried fishing in lake & caught  
a few small fish but could not get out to  
deep water. Took lot. obsn. & got off at noon.  
Made rather less than four miles when found  
progress barred in all directions by horrible  
windfall. Found a little meadow in hollow  
surrounded & incumbered with burnt trees  
& after some search found place where could  
get water by digging a hole in the moss. Camped.  
Still about a mile from base your point,  
but evidently as far as we can get with  
horses without great expenditure of time in  
cutting trail. Scouted round a little before  
supper & examined face of hill to decide on  
best route to follow in order to ascend it  
if possible. Took set of sextant obsns. in  
evg. - very fine day. Lt. put last night.

4 Oct. Thursday. Left camp at 7.30 with  
McEvoy & Prospero, taking camera & transit,  
axe & a rope in case the climb should prove  
very steep. Reached the base of our needle  
after an hours hard scramble though

him as before. He floated down the river & the elk seized him & swallowed him, ~~but~~ his friends thinking him done for as before. He however cut the elk's heart with his weapon & then cut his way out of its belly & came to shore with the elk & visited his friends & eat some of the wheat. As for the elk he made it as it now is & said "Instead of killing men they will always kill you". And his friends told him that there were two bad women with supernatural powers, (Somewhere on the Thompsons below Savona near Harper's) who danced upon a high rock & people coming along stopped to look & were turned to stone. So I went to the place & after watching the women dance for a time, turned them both into stones which are there to this day. The badger in these times was also a formidable creature & had its lodge stored with dead men for food, but I caught him & struck him on the head & said "Hereafter you will be nothing but a common badger & able only to fight with dogs when they come after you. He besides made all the dead men alive again.

Note. The first story, of the bluff, seems to be the same which the Snyltan Indians located at the big slide on the Thompsons, in Crentvals

the worst kind of windfall. Found the actual ascent quite easy climbing up the steep-like masses of basalt. Spent the whole day on summit, getting back to camp just at sundown. Weather rather pleasant & though a little windy at times not at all cold, smoke not bad & view very fairly extensive. M.C. at work with transit while I take 11 photos & examine country as to distribution of rocks carefully under morning & afternoon lights.

Wonderful number of little lakes about here, no less than 24 in view from this one point. Manage to outline basalt for a number of miles & make other useful observations & on the whole very well pleased that proceeded in botany along till we got here. No sign whatever to show that anyone has been here before.

5 Oct. Friday. Up early & off taking our old trail to lower end of Long St., & then turning off through country without trail & in places pretty bad windfall, looking for headwaters of Deadman's R. which Purpure says near, & which

Names etc of stars. The pleiades called  
ku-hā-oo' or "the bunch" also named  
Kul-Kul-stā-tim or the "people roasting" from  
story of origin. Said that a crowd of women who  
were roasting roots in a hole in the ground or  
mound, as is their fashion, turned to this  
group of stars.

Morning star Chi-whi-looh-tān' or "coming  
with the daylight, also wō-pk-ā' a "one with  
hair standing out all round his head"

Ind.

The great bear, or rather the four stars forming the  
square, named Kum-a-ko-sas'- "Ka a" the  
bear". The three stars of the tail are three brothers,  
hunters, The brow are near the bear, the second  
leading a dog (the small Companion star) the  
third afraid & hanging far back.

Chew-ī-wi-ow'-is = Deadman's road or  
path, name of Milky way.

These Indians, like others, practiced medicine  
or sorcery to cure sickness, long deigned  
medicine men (Ish-kwē-lik) but the priests  
have put down the custom. Medicine men  
sang & danced round the patient & endeavored  
to retreat the principle of sickness by sucking



on consideration I have decided well by  
our best route to gain information. Guide  
also thinks that we can get through without  
difficulty. In pm. strike a deer trail  
running down little stream which here  
represents Deadman R. Going out very  
bad. Camp about 5.30 where a  
fresh beaver dam on the stream.  
Shortly after camping an Indian  
woman turns up. She & her people  
camped near here, having come across  
from Bridge Ck with horses. Day very  
fine. Remarkable continuance of  
fine weather lately. Country becoming  
more open looking near evening camp.

Oct. 6. Saturday. Prosper returned late last  
night with a store of dried meat & a cake of deer  
tallow obtained for a dollar from the Indian  
Camp. old "Corbeau" - a translation of his Indian  
name - honored us with an early visit this morn, & took  
breakfast. Gave us quite a lot of information about  
trails etc, & told us that a little further on we  
should cross over plateau to valley of E. branch of  
Deadman, as the W. branch made a great

the body, would sometimes show a small object as having been sucked out & being the sickness.

Young men separated themselves when attaining manhood & stayed away in the woods of County alone sometimes for 3 or 4 months, sometimes hunting or trapping, but avoiding contact with others & if they happened to fall upon a Camp passing round it out of sight. Sometimes they would clear a course in the woods & run upon it morning & evening or arrange bars for jumping over. Thus apparently endeavoring to strengthen their frames & endurance. They dreamt & meditated & found out what their guardian spirit was.

*Ind.*  
4. Oct. Got the following additional particulars with regard to stories formerly written down. —  
Kwē-i-Ēst', said before to have been his father's name, it turns out, by the marriage of his mother with a root <sup>which is</sup> named Kō-Kwē'-lā which is long & when peeled white, & grows near the rivers & is used by the Indians as food. His name is a synonym of the root, meaning "the straight" & the root itself is

detours to the north, which according to Indian accounts must be a remarkable one. On to Wren's hay ranch, where some fine large meadows, stacks & a house etc but no one at home. This the furthest up place in this direction. Stopped near home for noon, & got lat. obsn. When Bona went out to look up horses again, found three of them buried in a horrible mud-hole, & lost nearly an hour, two horses having to be pulled out with ropes by main force. Very fortunate we found them on some, as two would otherwise have been smothered. Plus, on across plateau & Camp in valley of E. branch, which is a wide & deep depression in plateau. Aspens & willows in high parts of plateau now nearly bare, but those in valleys still covered with yellow leaves. Very fine day again.

7. Oct. Sunday. on down valley of E. branch Deadman's R. Valley a large one, wide & deep, bordered by edge of basalt plateau on both sides. Miss getting lat. at noon by having to go too far to find water. Lower part of valley narrow & rough. Sand on packs in afternoon to make camp about usual time, but finding no water accessible from trail, which runs along for up on the hillside, they have to go much further than intended, nearly

Sometimes thus designated. The woman cleared away part of the soil & sat upon the root. When the son grew up he lived with his mother near the lower end of Adams's d (see name of place in former note book) & became a great hunter, killing deer for his mother. He often asked his mother who his father was, but she said "He is dead." Now it happened that he passed by a root of the kind mentioned, & it made a peculiar noise when he was passing. This happened 3 times but he could not see what made the sound, but a fourth time he saw the root, & it spoke, saying "I am your father." Then he was astounded & went home & lay down without speaking for 3 days. Then he got up & went out hunting & after he had brought back a store of meat, he reproved his mother & told her what he had learnt. He said he was going away not to return. Then his mother told him of all the evil & malignant monsters who inhabit the Country on the lower river, & he formed the resolve to go & extirpate them, which he accordingly did, in the way related,

to the junction of E & W Branches, we did not  
in consequence reach camp till almost too dark  
to follow trail & quite too dark for satisfactory exam.  
of rocks. Light dawn in the evening, sky having been  
gradually clouding up all day.

8 Oct. Monday, a little rain during night & dark  
& drizzling this morning, making start somewhat late.  
Sent camp on to Savona & arrived there by  
1:30 P.M. Got supplies renewed for about a week  
Telegraphed to Kaulooks for mail. Spent  
most of remainder of P.M. reading papers etc.  
Day cleared up & leaves quite fine in P.M. &  
evening.

9. Oct. Tuesday, McVay went on for mail, but  
was unable to get it till nearly 10:00 P.M., as the  
facilities at Station had turned in for the day.  
After receiving mail, wrote some letters & after  
an early lunch struck camp. Sent packs on to  
Copper CK, & followed them at leisure, examining  
rocks. After reaching camp rode about a mile  
down valley to see copper ore locality. Day  
rather cloudy & breezy & more threatening looking  
than for some time, though bar. rising. Beautiful  
views & remarkably pure coloring of foliage &

doing most of his work on the river between  
Savona & Spence's Bridge. His mate lay down  
the Thompson & then up the Fraser. When he  
had gone some way up the Fraser, with his two  
Companions, they saw four women dancing on  
a high rock. They were witches & he proposed to  
subdue them as he had done before, but 2 & 3  
(his companions) said see what fine women they  
are, let us watch them dance & so one persuaded  
him. He first sat down & was at once turned  
to a rock for the power of the women witches  
was greater than his. His companions afterwards  
were also turned to rocks, & the three rocks  
may still be seen. Such was the end of Kwi-t'-  
t'at.

It seems that this hero met Skil-aps when Skil-aps  
went down to the lower Fraser to bring up the Soliman.  
They held a feast together with 2 & 3 & arranged  
what routes they would respectively follow on  
their various missions. After this they parted  
& did not again meet.

Skil-aps it seems had a brother, the fort. (Ho-oh-um)  
& he killed his brother to possess his brother's wife. He  
then travelled off, singing a song - Chō-lo-sō, Chō-

mountains from trail. followed, which  
often high up on spurs of hills.

10 Oct. Wednesday. up Copper Cr. valley &  
over pass to head-waters of W. branch of  
Tranquille R. Level down Tranquille valley  
to Forks, getting to Camp at 5:45 after having  
waded about 15 miles. Day fine, but rather  
chilly throughout. Horses all beginning to get  
tired & poor, though feed generally good.

11 Oct. Thursday. Down Tranquille valley to head  
of flat, near Ramboulet L. Run. across hills  
near Rabbit Bluff, investigating its relations to  
neighbouring rocks. Got back to Camp just  
before dark & occupied writing up notes in  
evening. Another fine day, though partly clouded.  
Fine colouring in valley & on hills as we  
rode back to Camp this evening. Do not know  
any place where more frequently shown purples  
& blues of great beauty & intensity than along  
this part of Thompson valley.

12 Oct. Friday. Raining early this morning  
making start later than usual. Moved up to  
Lac des Bois, E of Tranquille R. & Camped.  
Reached Camp at noon. Spent part of P.M.

So - se etc & saying "I have killed my brother & son  
I will kill all the Indians I meet. Soon he found  
some Indians & killed them, taking 2 women  
from them & thus having 3 wives. He still travelled  
on till the women's feet became sore, when he  
rested 2 days but the 2 Indian women were  
still unable to travel, so he killed them. After  
a time the woman who had been his brother's  
wife also became foot sore & he killed her also.  
Continuing on his way alone he soon came to a  
place where some groves were & said to himself  
"I will take one of these people for a wife". He drew  
out a corpse & slept beside it. Then he went out  
hunting & killed a fawn which he brought back  
& threw down, & said to his supposed wife "Get  
up & Cook, here is meat". Naturally there was  
no answer & finding his efforts to arouse the  
dead fruitless he got angry & saying "Go away  
stay there" struck the corpse & went away again  
alone. After this he took for his wife a short-  
tailed mouse (shrew?) & lived with her some  
time, having a son by her. One day, however,  
he found his wife skinning a deer & all  
covered with blood. He got angry with her & said



on hills to E. of Camp, but finding older  
rocks & various geol. Conclusions see that  
must take at least another half day here. Day  
cold, disagreeable & very windy. Clouded nearly  
all day. Splashed & returning cattle range  
up here. Bena shoots a couple of ducks,  
& makes an excellent stew of them for  
Supper.

13. Oct. Saturday, spent all morning from  
7:30 to 12:20 skimming country & rocks to E & South  
Rim. Moved Camp a few miles eastward, near  
to N. Thompson R. Morning fine, but  
windy & rather cold with a few drops of  
rain. Pretty heavy frost last night. Got  
a snug well sheltered Camp in valley of  
little stream near grove of poplars now  
nearly leafless. Talked over plans for closing  
up work. Saw Mt. Towestum up to Thompson  
from hills today, all upper part already  
covered with snow.

14. Oct. Sunday. Cold & windy with showers  
this morning, but appeared clearing, so packed  
up & got off. Traveled down to N. Thompson

Why do you not go outside. (appears to have  
supposed immurement & to be connected with idea  
of separation of woman at that time) Then his wife ran  
away & he could never catch her again. After this  
he went away after the salmon as before related.

The story of the end of Skil-ap & his works runs as  
follows. — When he was travelling up the Thompson  
with his son he met a terrible man who ate  
human beings & who was nothing but skin &  
bone. He told his son to sit down & wait, & advanced  
toward the monster who was about to kill & devour  
him. Skil-ap, however, said "stop a bit" I am  
a man eater too, & to prove this proposed that both  
should vomit. They sat down opposite each other  
& shut their eyes. The monster vomited first &  
threw up half a man. Then Skil-ap followed  
but produced only a rat, which he had  
swallowed. He, however, quickly changed the  
rat for the portion of a man & said "now  
open your eyes," & just at this moment  
all three were turned to stone. This happened  
a short way below Little Shuswap L, on N. side of  
river & there one may still see the rocks representing

& then down along valley. Stopped for  
lunch & in P.M. rode westward along hills  
toward Tranquille to ascertain boundary of  
Lut. Rocks. In returning stopped at some  
Sand hills proving to be an Indian burial  
place & collected a few arrow heads etc.  
Found Camp just at Sevedam on N. side of  
river opposite Rawlrops. Day disagreeably  
Cold & windy throughout. Have decided now  
to Conclude field work for season. Night-  
ing will go on so far as weather is concerned  
but have to much to do in Ottawa etc  
that must not be looked in returning.

15 Oct. Stamps put last night. Got all stuff  
overhauled this morning, tents thoroughly dried out  
etc. Crated stuff by ferry & put remaining camp  
outfit in Mr. Maras' store. Made up wrens  
accts, & in P.M. paid them off. Attended to  
papers this morning. Cambie arrived from  
Vancouver this eve. to Grand Pacific Hotel.  
Cold raw day turning to rain in evening,  
& making it rather pleasant to be under a  
roof again.



16. Oct. Tuesday, Had called Bona to  
bring a couple of buses here early in morning  
that we might visit cool locality. Morning very  
black & cold, with snow lay down in winters  
Horses did not turn up. Spent morning packing  
etc. Got Jones in Pen & spent till dark  
going to clearing & returning from cool loc. &  
vicinity. My saw & wood & before return  
became steady rain. Evening compared barometer  
etc.

17. Oct. Wednesday, attending to various matters  
connected with closing up business at Rawloops.  
Telegraphed to William to Winnipeg telling him  
my proposed movements. Mr. Egan out all  
day on hills looking after some necessary genl.  
details. Train for west about five hours late  
& instead of coming in at 10 Pen, and expected  
at 3 am. Turn in for a nap rather than stay  
up all night, interrupted by a newspaper man  
after I had got to bed.

18 Oct. Thursday, woke up about 120 & went  
down to station. Long tedious wait till 3.30 am  
when got back in sleeper & got a few sleep  
till 8 am. Breakfast at Spencer's Bridge,  
Dinner at N. Bend, Arrive at Vancouver

already indicated & including ~~Wahona~~ Hatok,  
<sup>but not going so far as Cornwallis!</sup>  
Ila-kä-pe-mook. The Similkameens. To Summit  
(I suppose) of mountains toward Hope etc &  
all to South of Shoo-whä'-pe-mook. From the  
Similkameen to Kereveos, which place, however,  
<sup>is Okanagan</sup>  
Soo-wän'-ä-mook, Okanagan. From head of  
Okanagan L, including Grande Prairie, & out  
to the reserve at mouth of upper Nicola on Nicola L.  
Include all Okanagan & Osoyoos Lake County & to  
the Southward. Their language closely resembles that  
of the Similkameens but they are reckoned as a  
different people.

Cannot learn definitely to which subdivision the  
little Colony near Upper Columbia Lakes belongs,  
but probably came in from vicinity of Shuswap L.  
Chilkoten Indians named by these people

Pis-ké'-kun-um

Indians <sup>7<sup>th</sup></sup> on Lower Fraser named Ilim-si'-o.

The Okanagan, Shuswap & Similkameen said to  
meet (territories) near Douglas L.

7.30 P.m. & go on board steamer Yosemite, supper  
& turn in.

19. Oct. Friday. Arrive at Victoria about 3 am. To  
Oriad hotel. Breakfast about 9 am. See then  
Mr. Robson & others with whom business. Pay  
several calls. Expected Bowman & Evelyn boat  
at latest, but he has not arrived apparently,  
locating him, a little chilly & raw.

20. Oct. Saturday. Running round all day  
about various matters of business. Called  
& stayed for some tea at Macdonalds.

21. Oct. Sunday. Writing etc. Lunch at Crozes,  
Dinner at Crew Bakers. To church with Baker's

22. Oct. Monday. Busy all day about various matters,  
hunting up information etc. Evng. Bowman  
turns up, bring at last for my telegram from  
Kamloops. Arrange with him to go on to  
Vancouver with us, & go on board Yosemite  
about 10 P.m.

23. Tuesday. Reached Vancouver about 10 am  
after a rough passage. To C.P.R. "Hotel  
Vancouver" Talked over matters with  
Mr. Bowman & in afternoon saw  
various people. Had a talk with

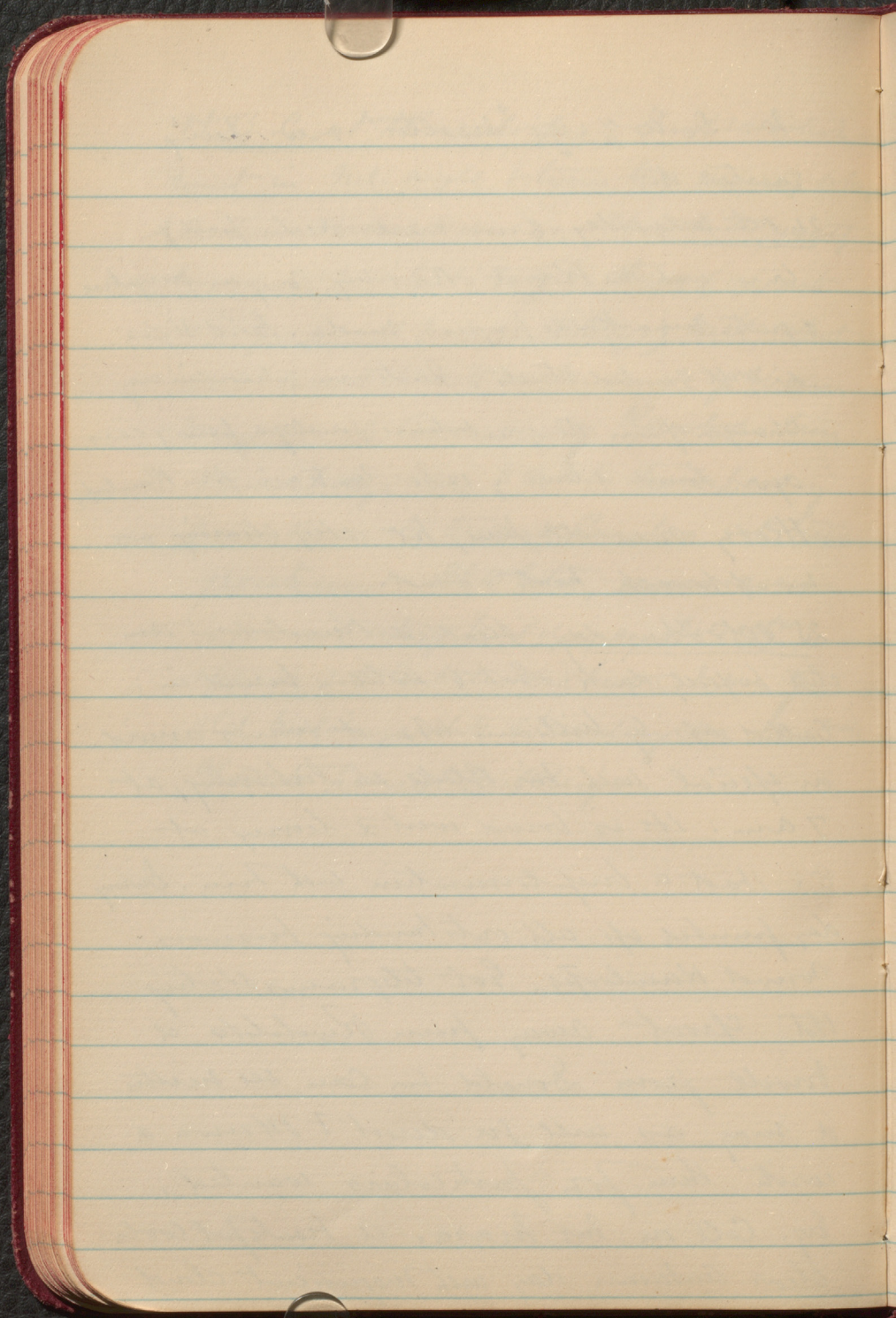
H.B. Co at Rawlrops. First settlement  
went in N.W. angle between two rivers, where  
Indian remains now is. This subsequently  
moved to opposite side of R. River (opposite  
side of present Indian village) here, about  
1863, moved to site on N. bank of W. river  
H.B. Co. river opposite lower end of Rawlrops town  
& present day. This & Coker trade ferry  
pass again etc toward Cambro at this  
precise point. Still later, moved across  
to present site of buildings, directly  
opposite site last described. Some of  
old buildings still standing on N. side  
opposite present buildings.



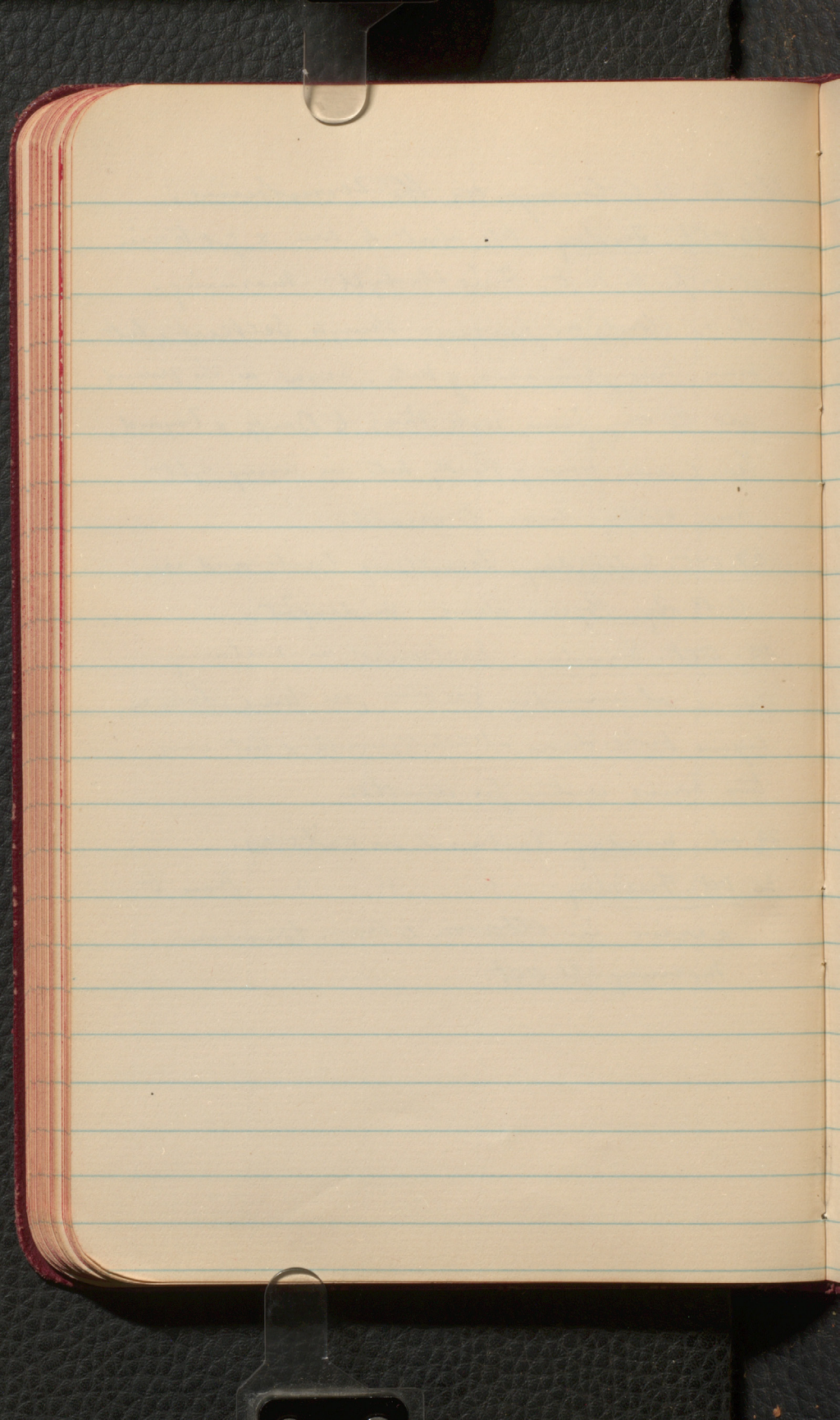
Mr De Wolf of "Smelter" now being  
erected etc.

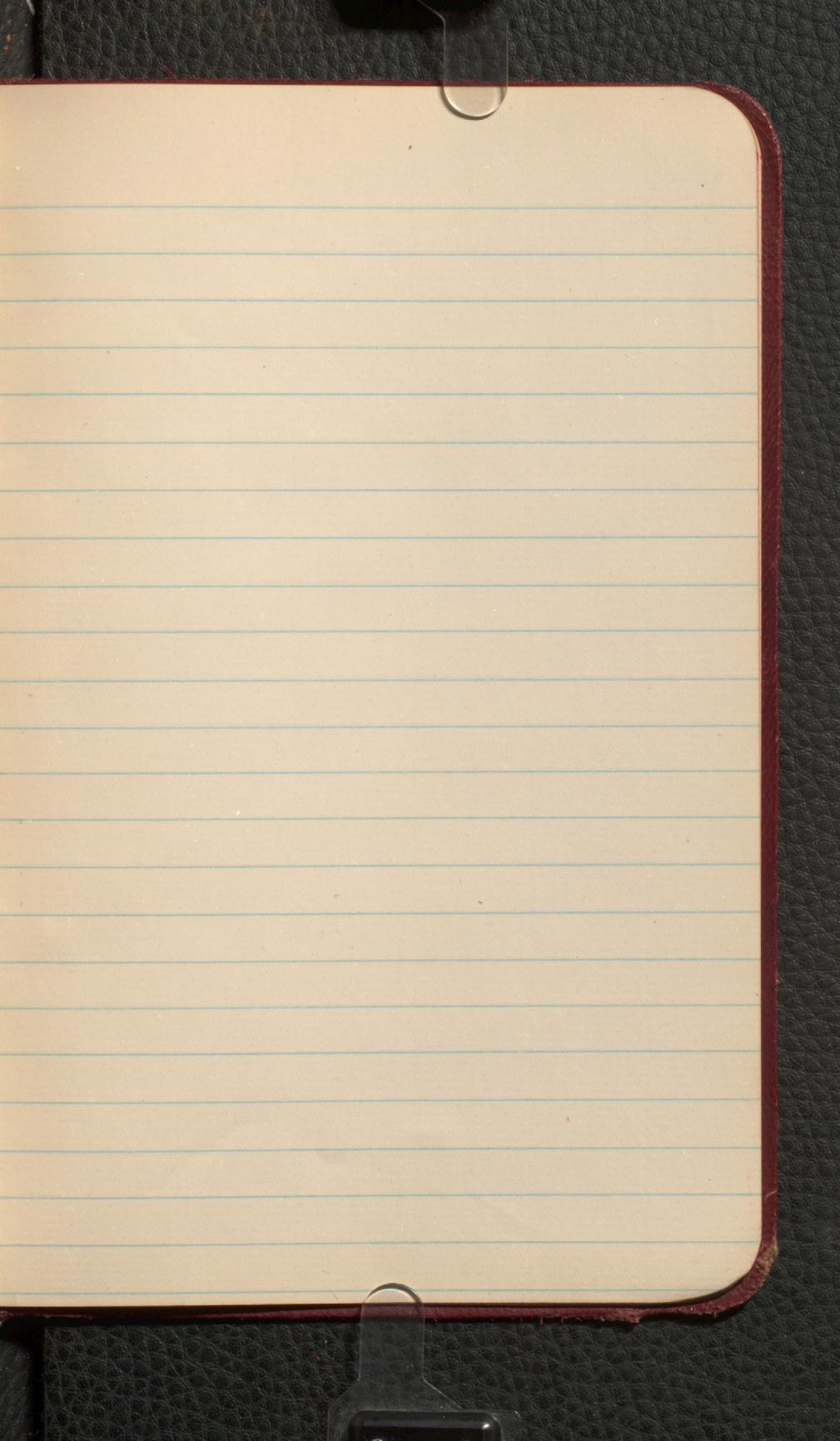
24 Oct. Wednesday. Drove round greater part of  
town with Mr Rand. Building going on everywhere  
& quite remarkable progress made. Good shops  
& well graded streets. Quite an extraordinary  
change from the great dense forest a few years  
ago. Lunch & leave by 12:45 - Ben train for Kamloops.  
Heavy rain all pm., but sky clearing as  
we approach North Bend.

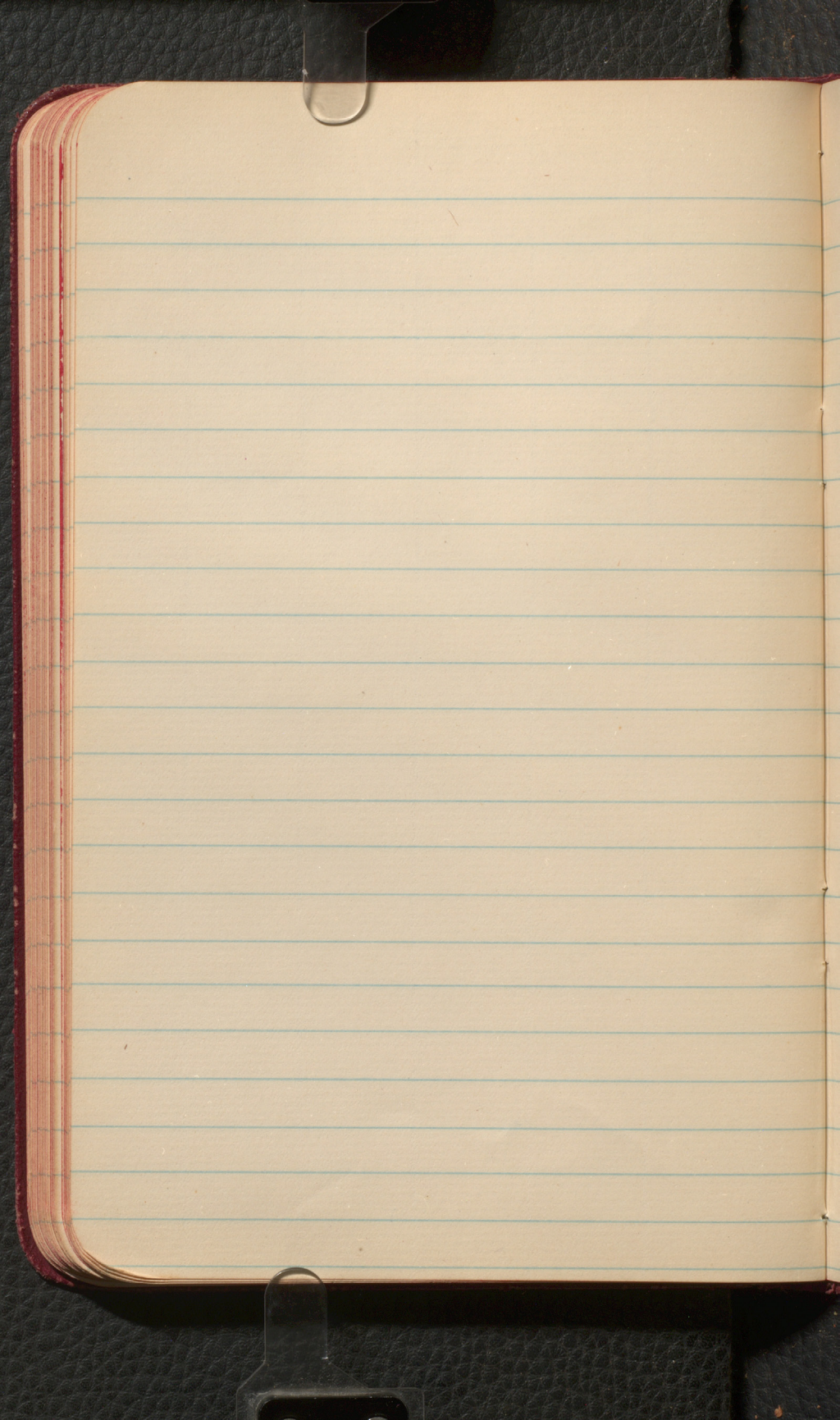
25 Oct. Thursday. Reached Kamloops 5 am  
quite perfectly dark. Got to Hotel & turned in.  
Called up G. William who it seems arrived  
on special with Mr Blake etc last evening, at  
7 am. He is bound west & leaving at  
8. Had a brief conversation with him. During  
day pointed up all outstanding business  
round Kamloops. Got telegrams stating  
that shoot away from Revelstoke &  
Bowell from Donald for can see neither  
a way as well for direct to Marwa &  
write them for particulars wanted.  
Evg. Call on Mr Mara. A beautiful cool  
clear autumn day with magnificent cloud

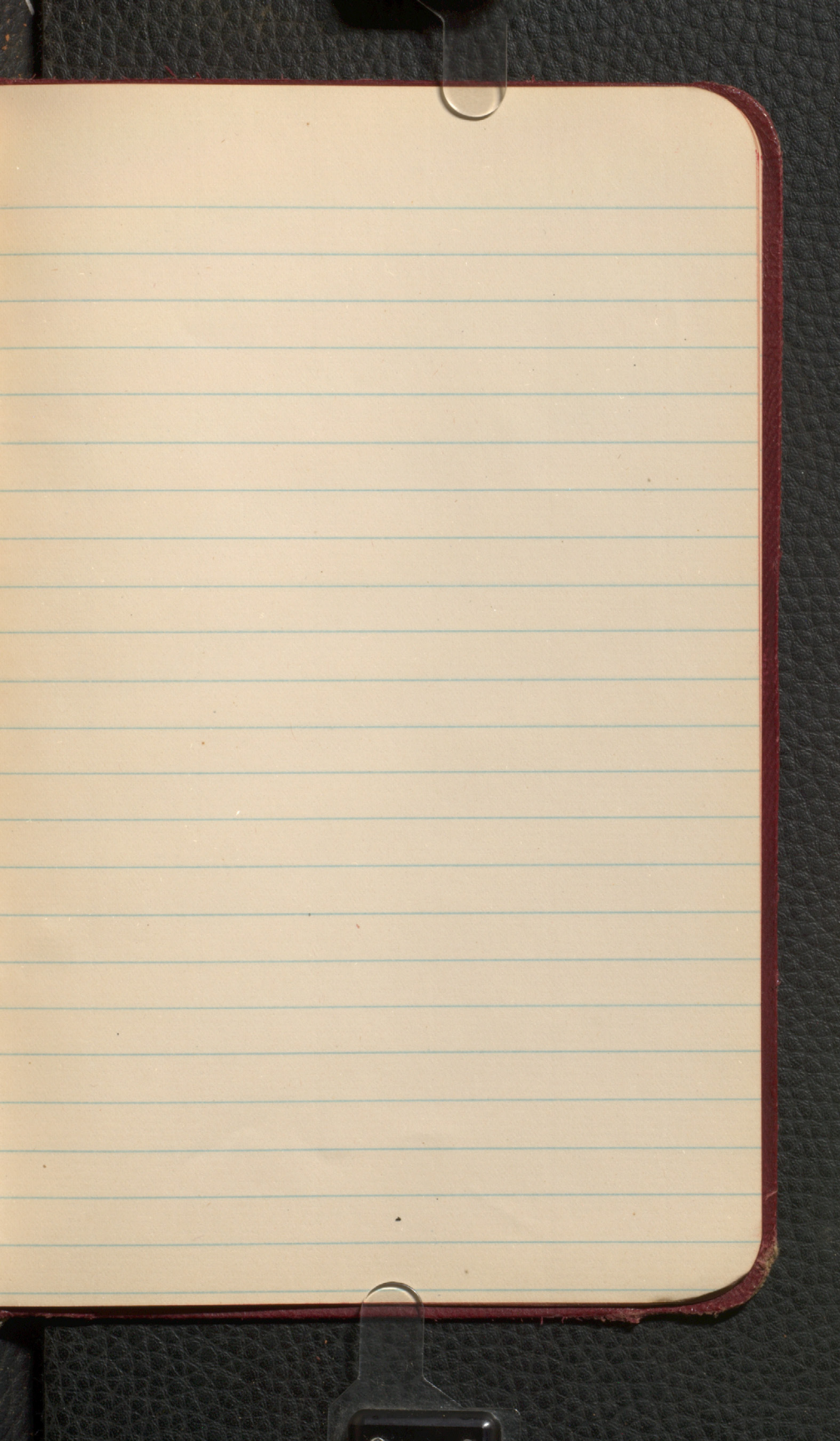


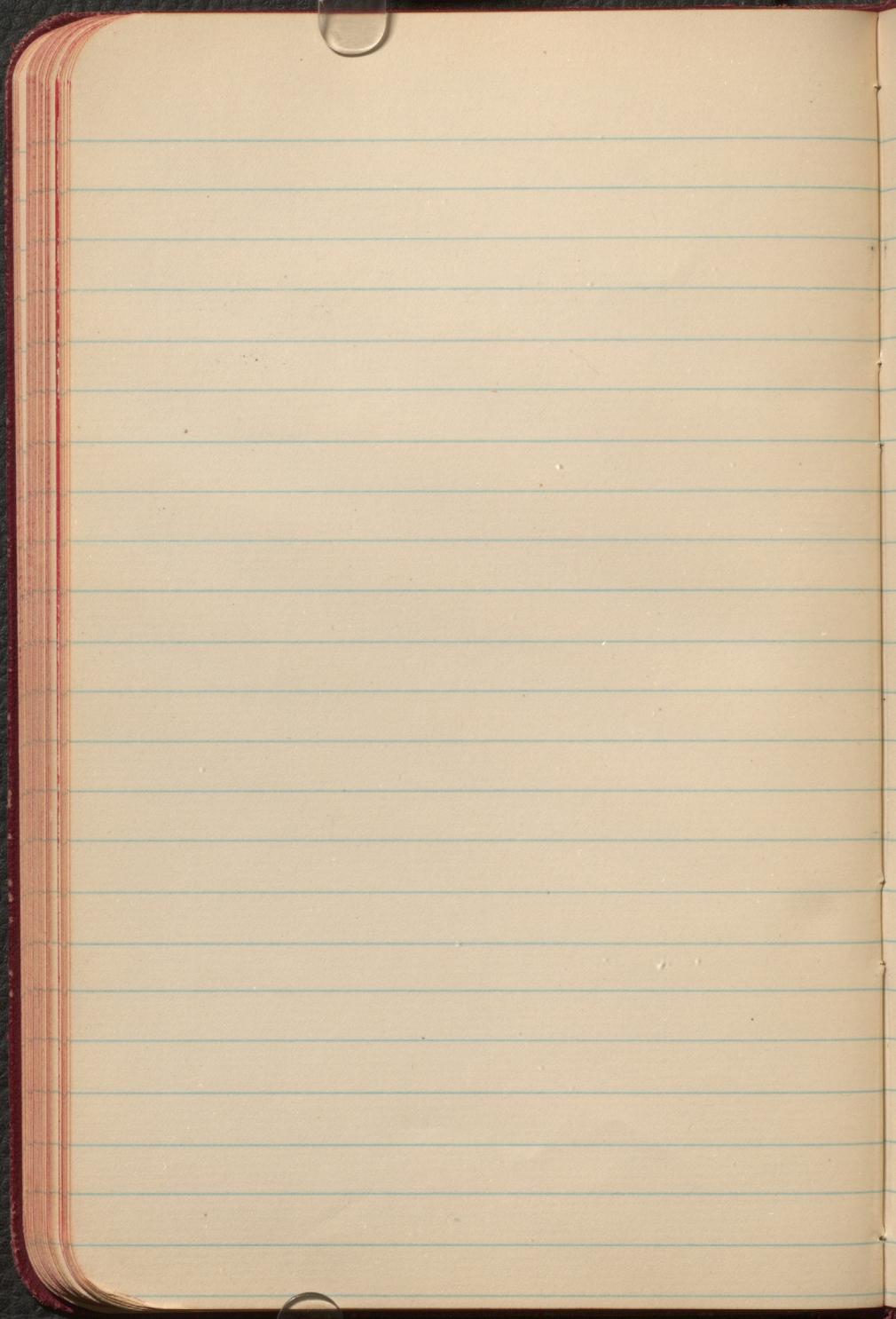




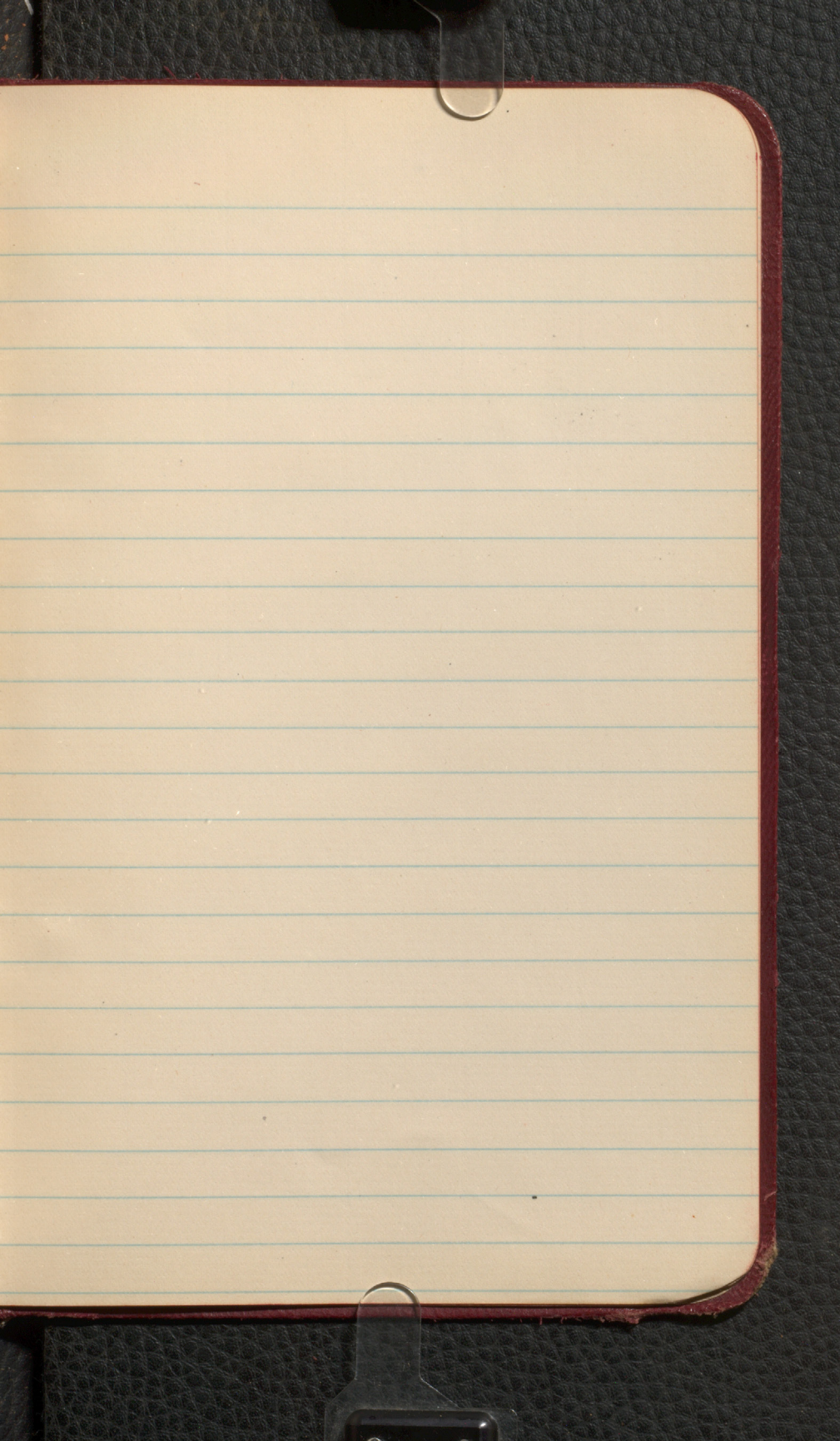


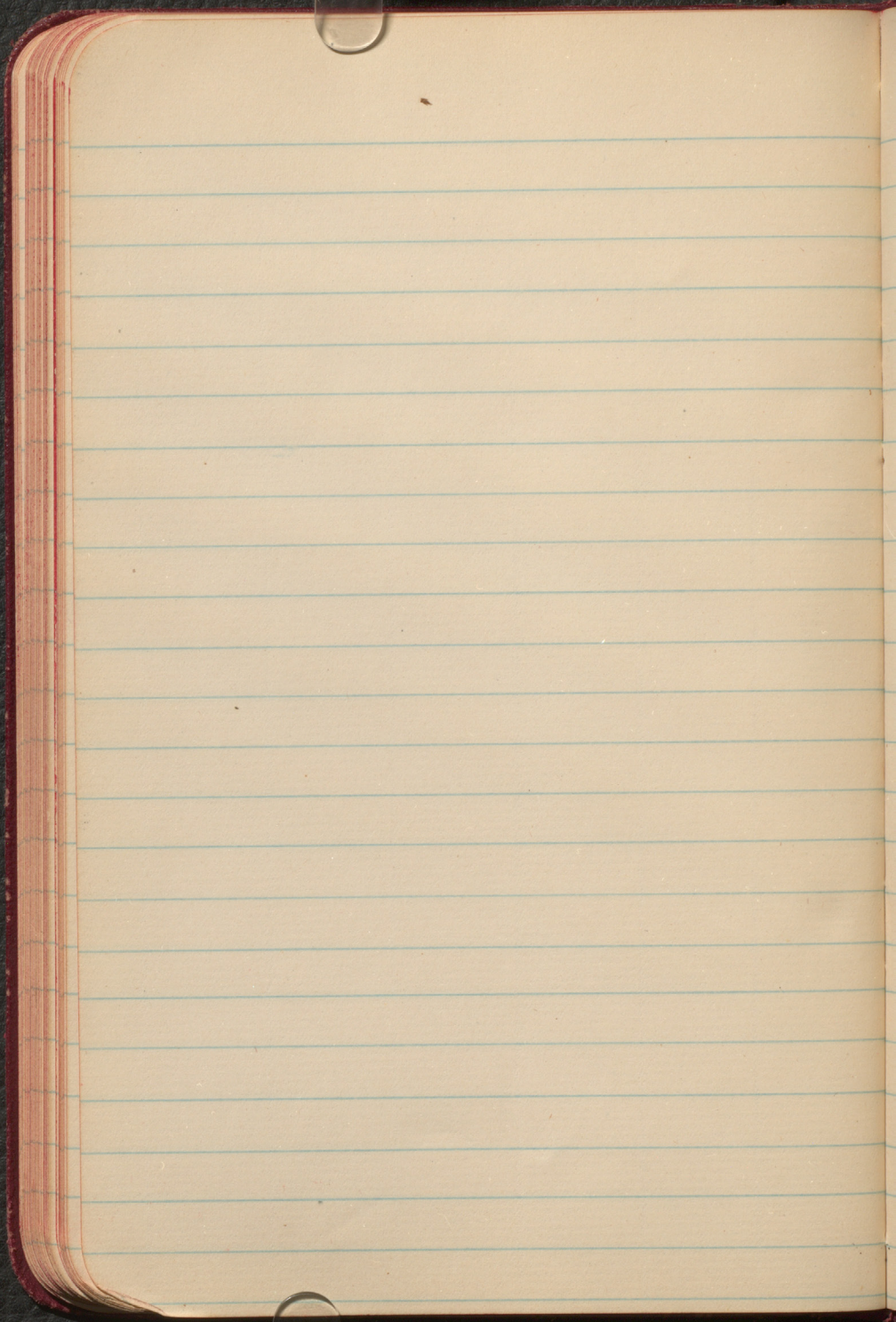


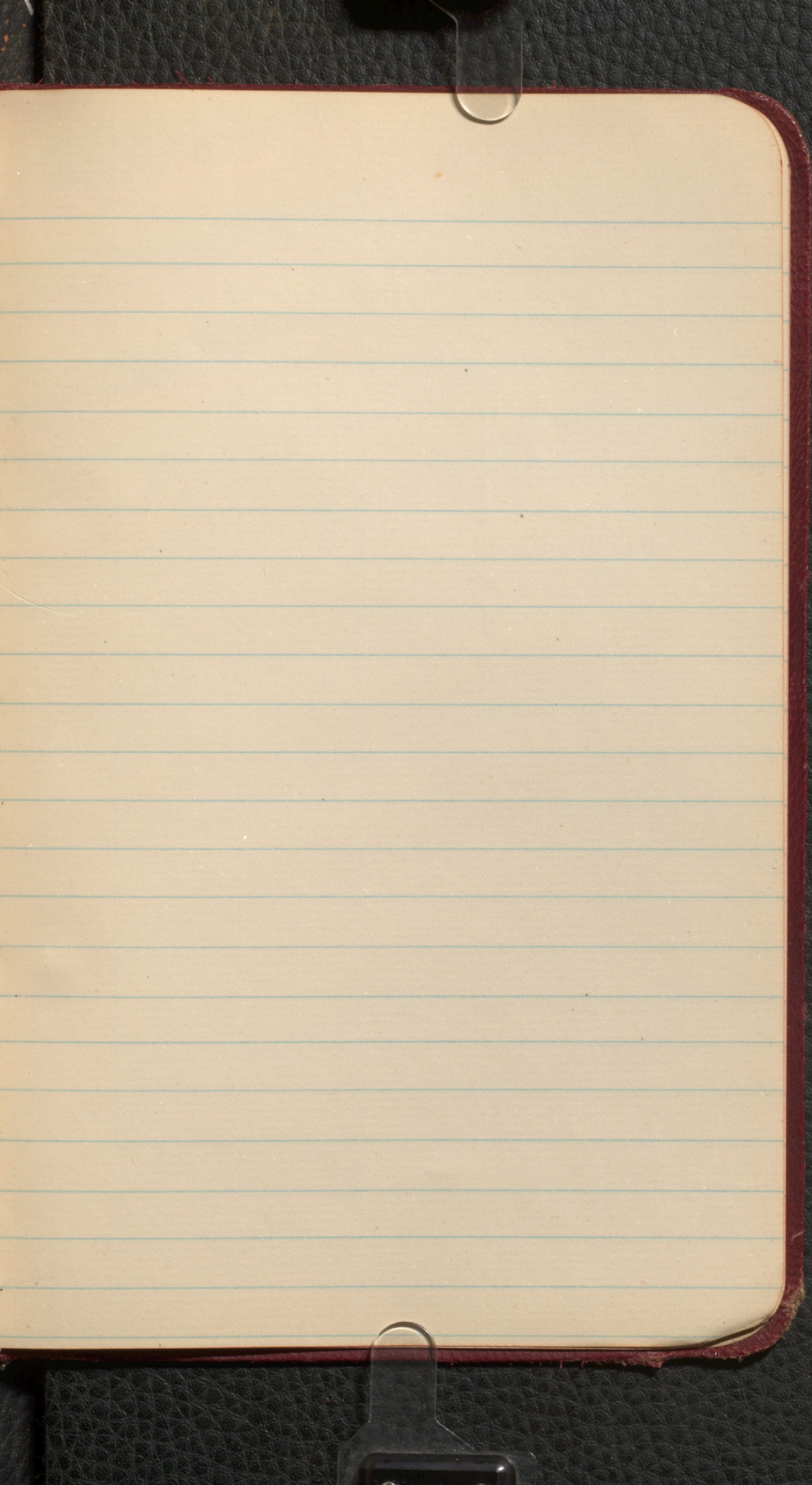


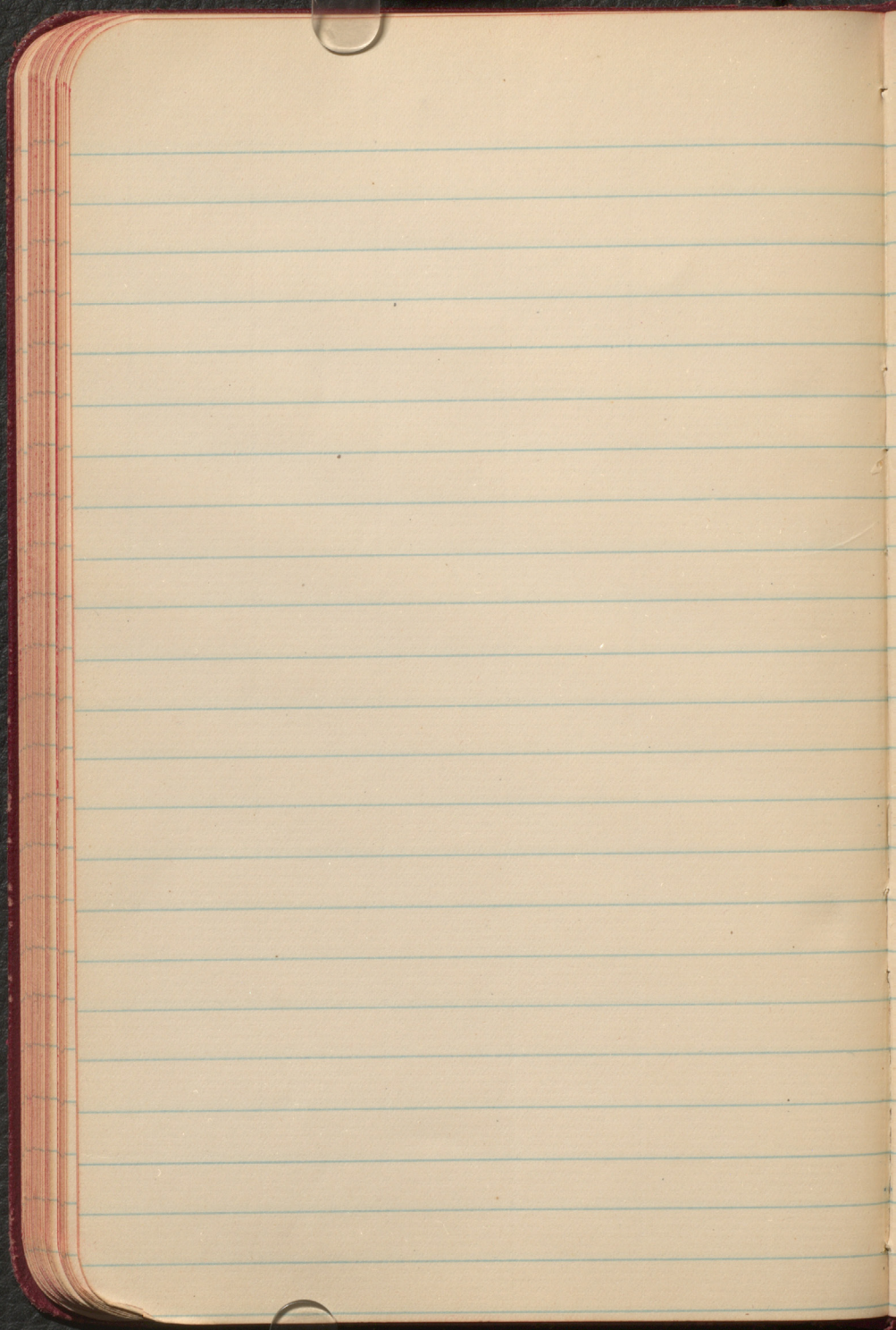


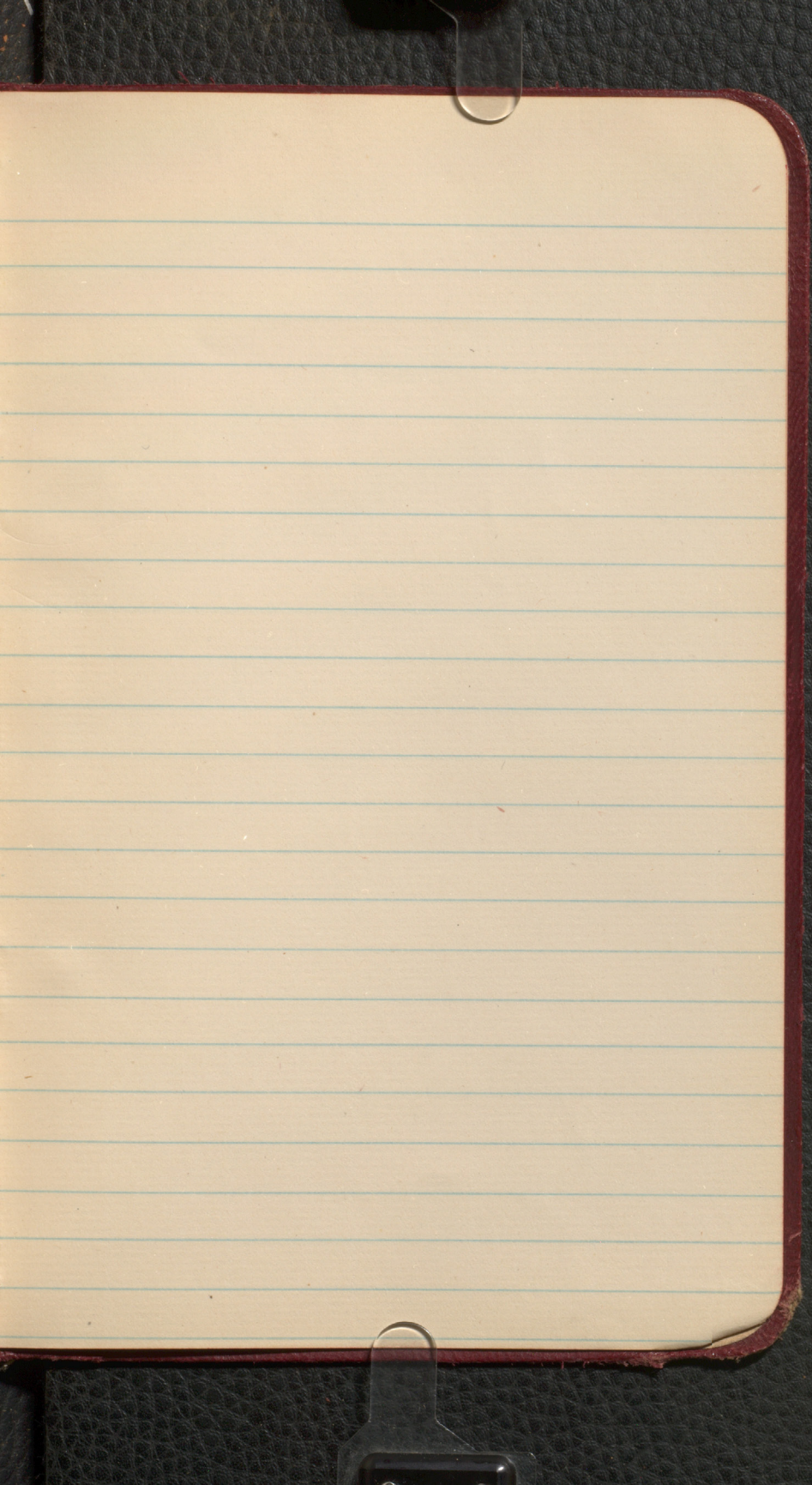


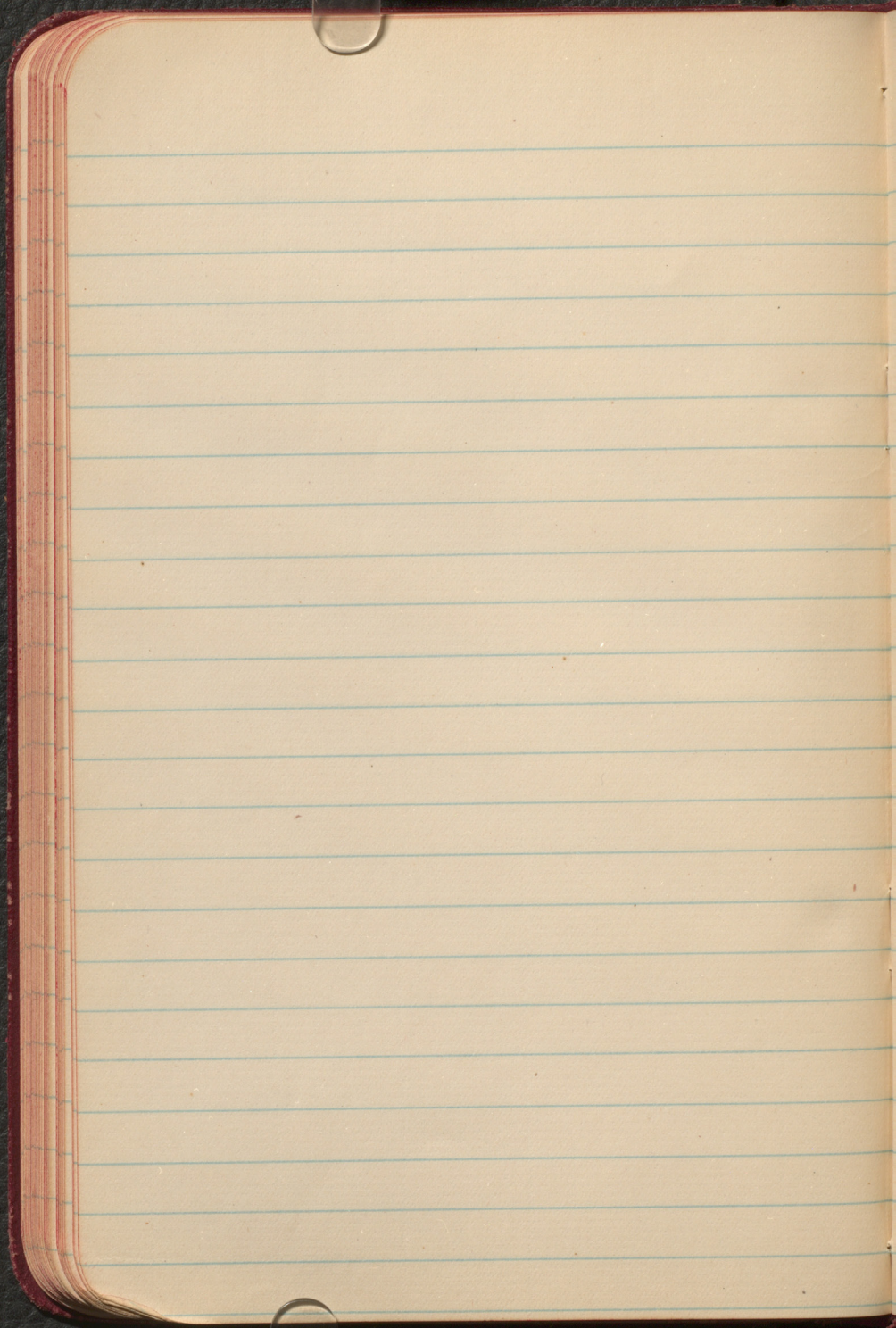


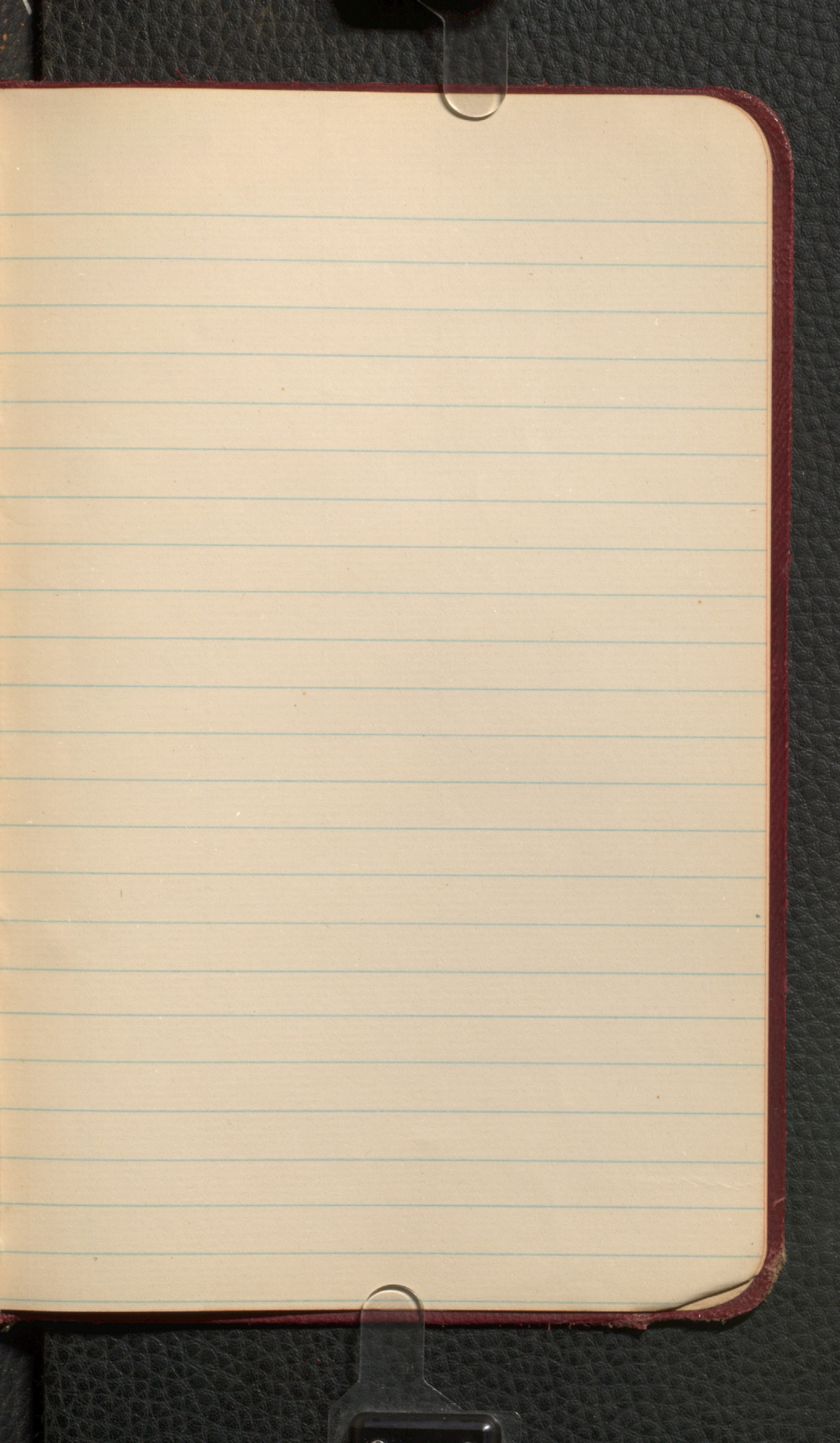


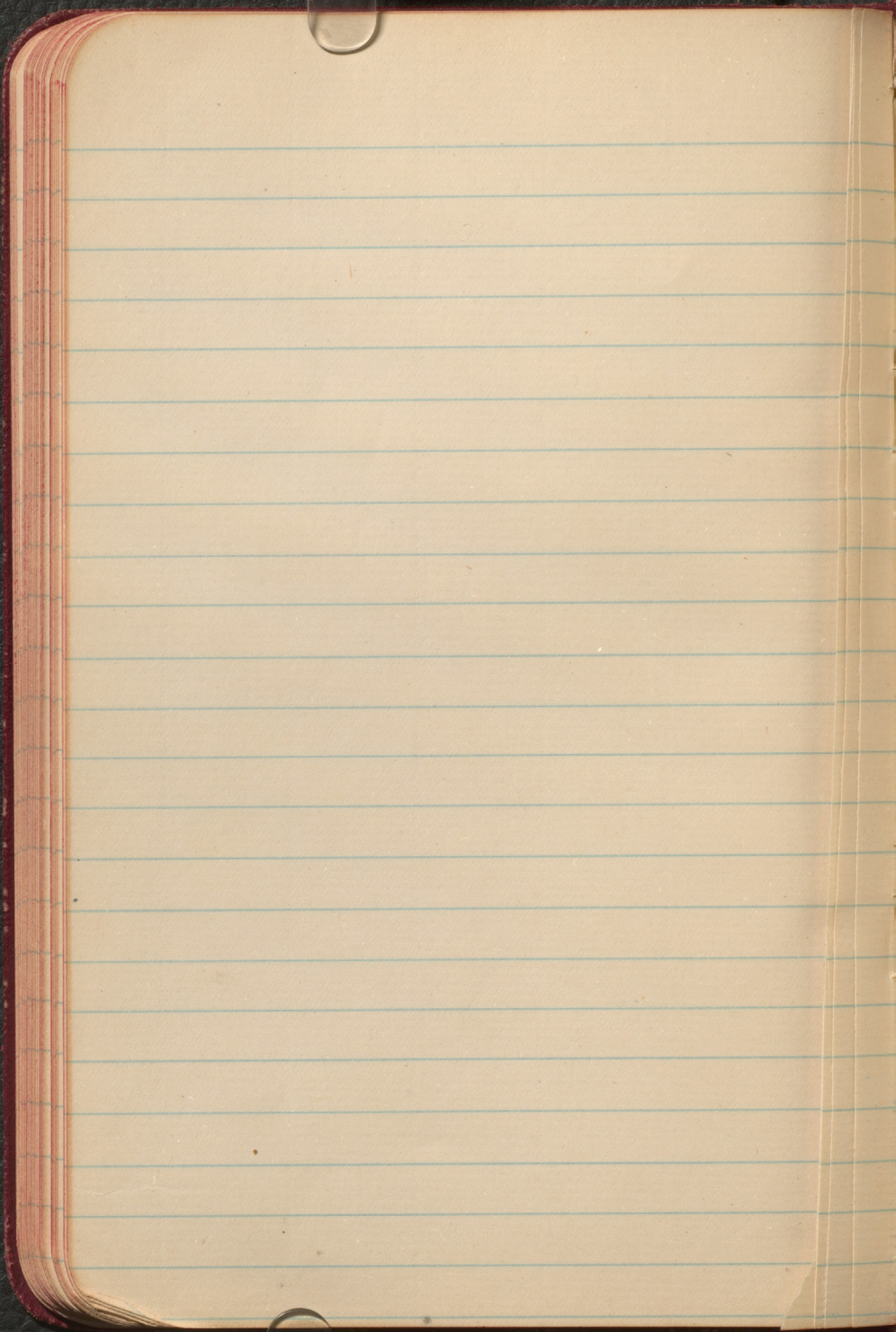




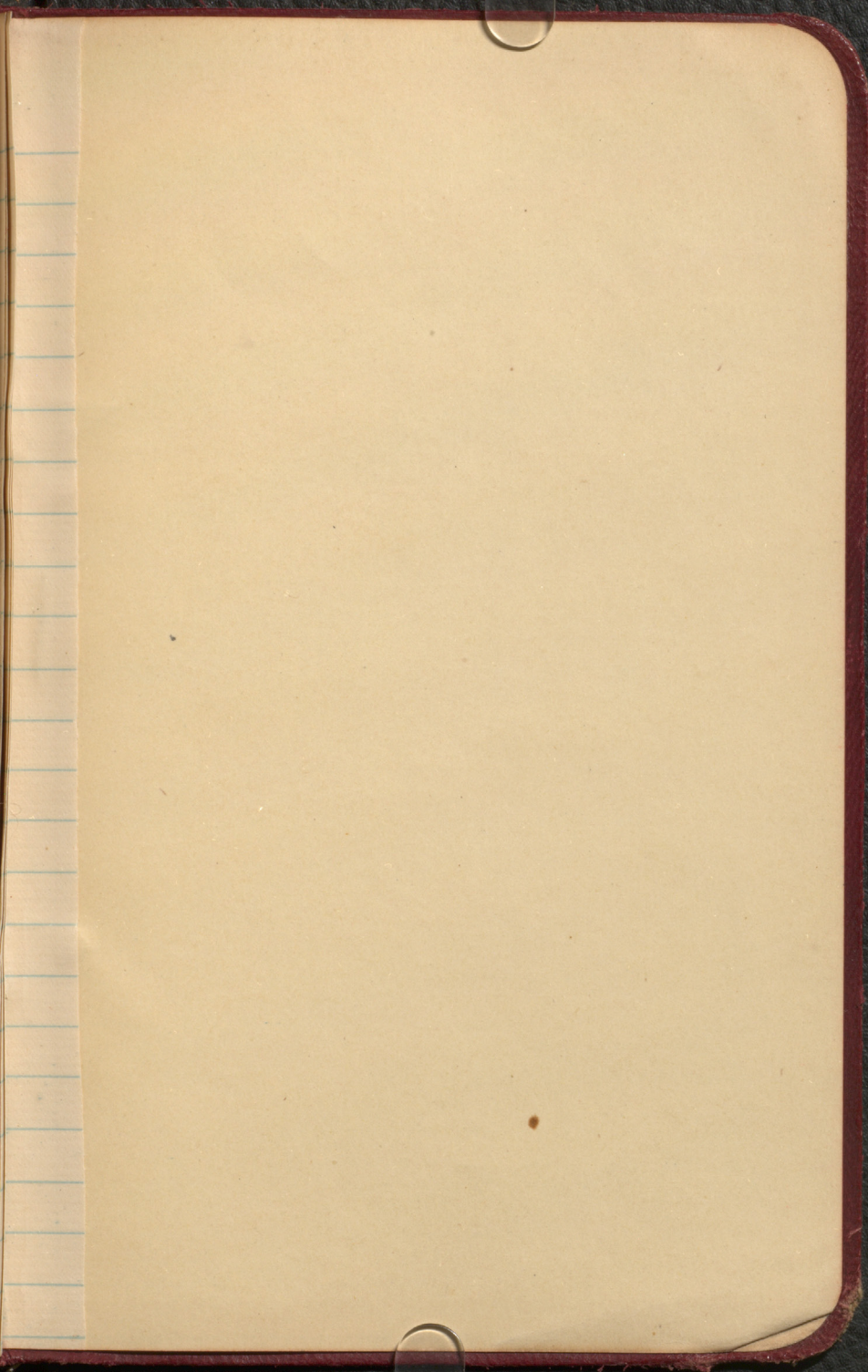












XL  
as

Photos. of Trees

" Indians

Collect Insects

" Plants

Exquisite fade

Collect Skins

Notes for revised edition of  
D.C. Munnich

Localities of Linné & Vicks

