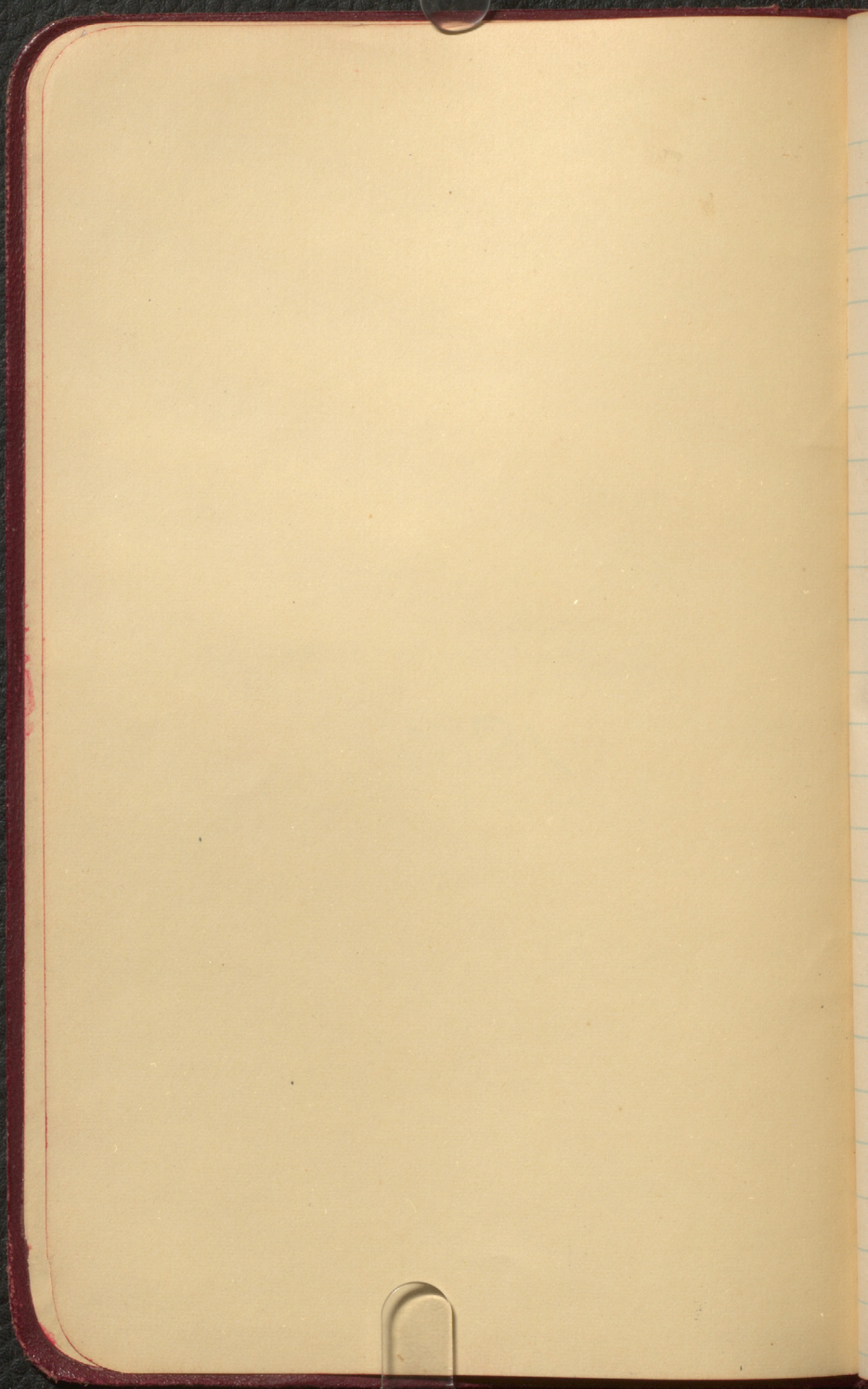


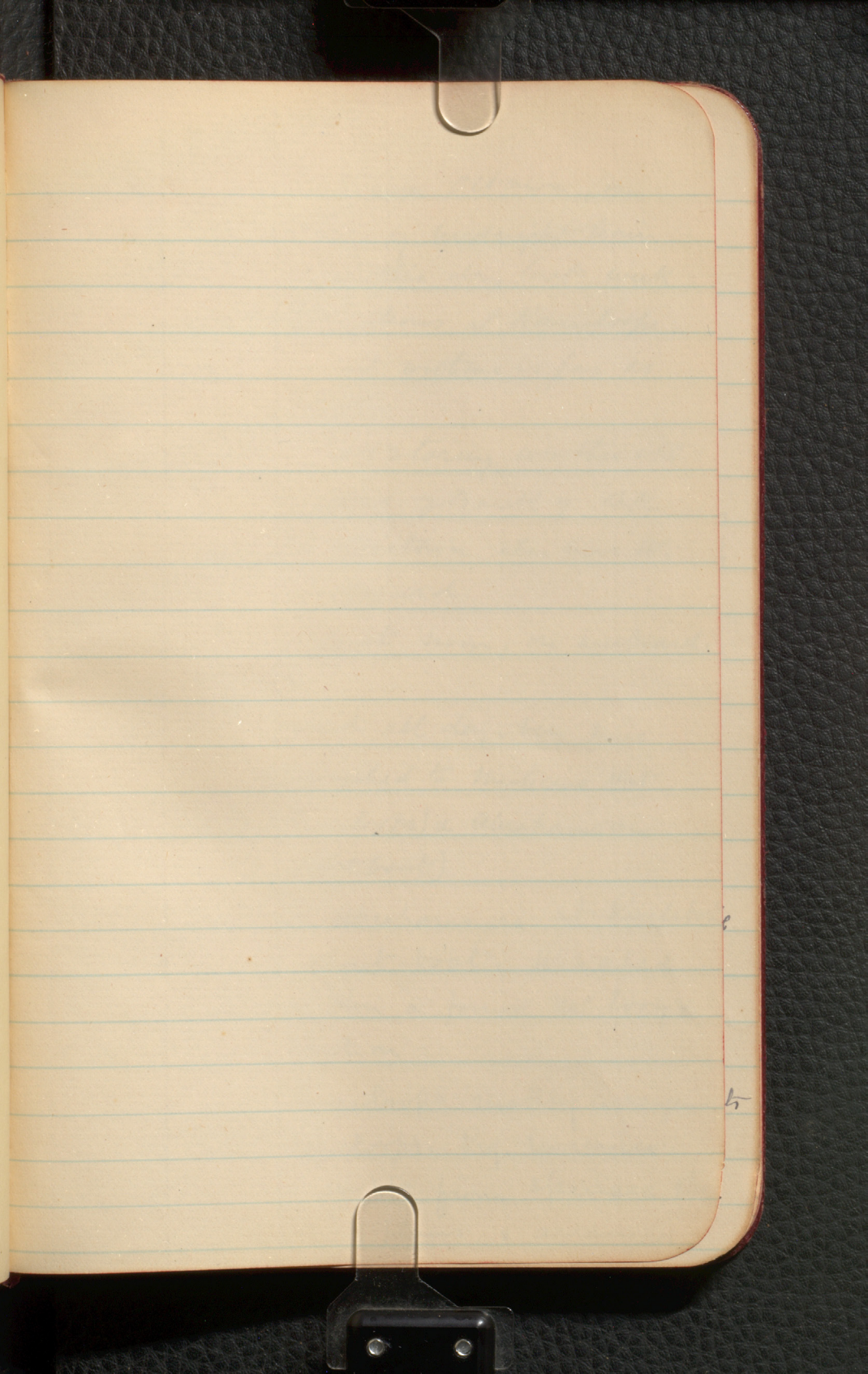
1889.

MS. COLLECTION G. H. SAUSON

Private diary
E. M. Dawson

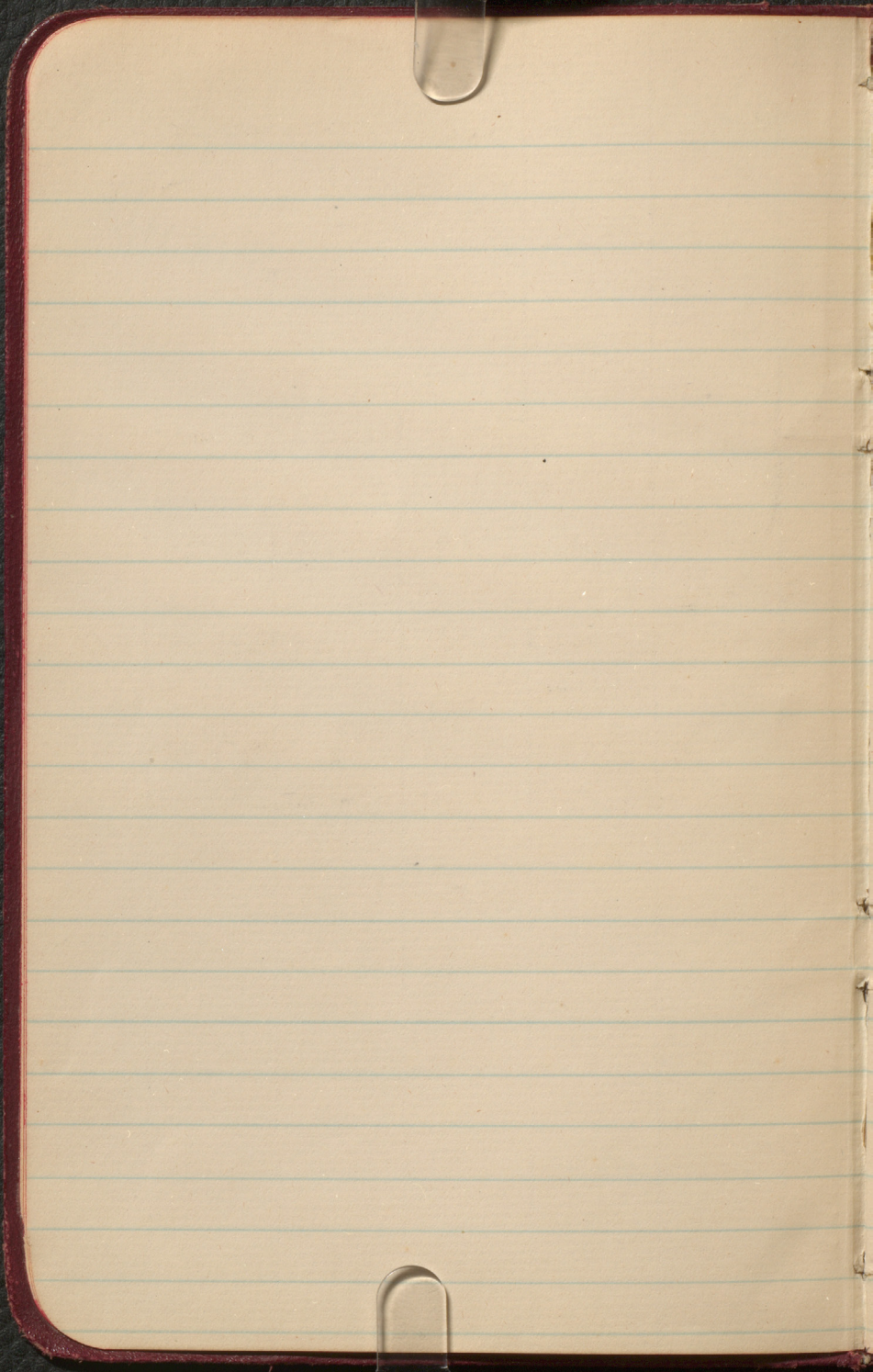
1889



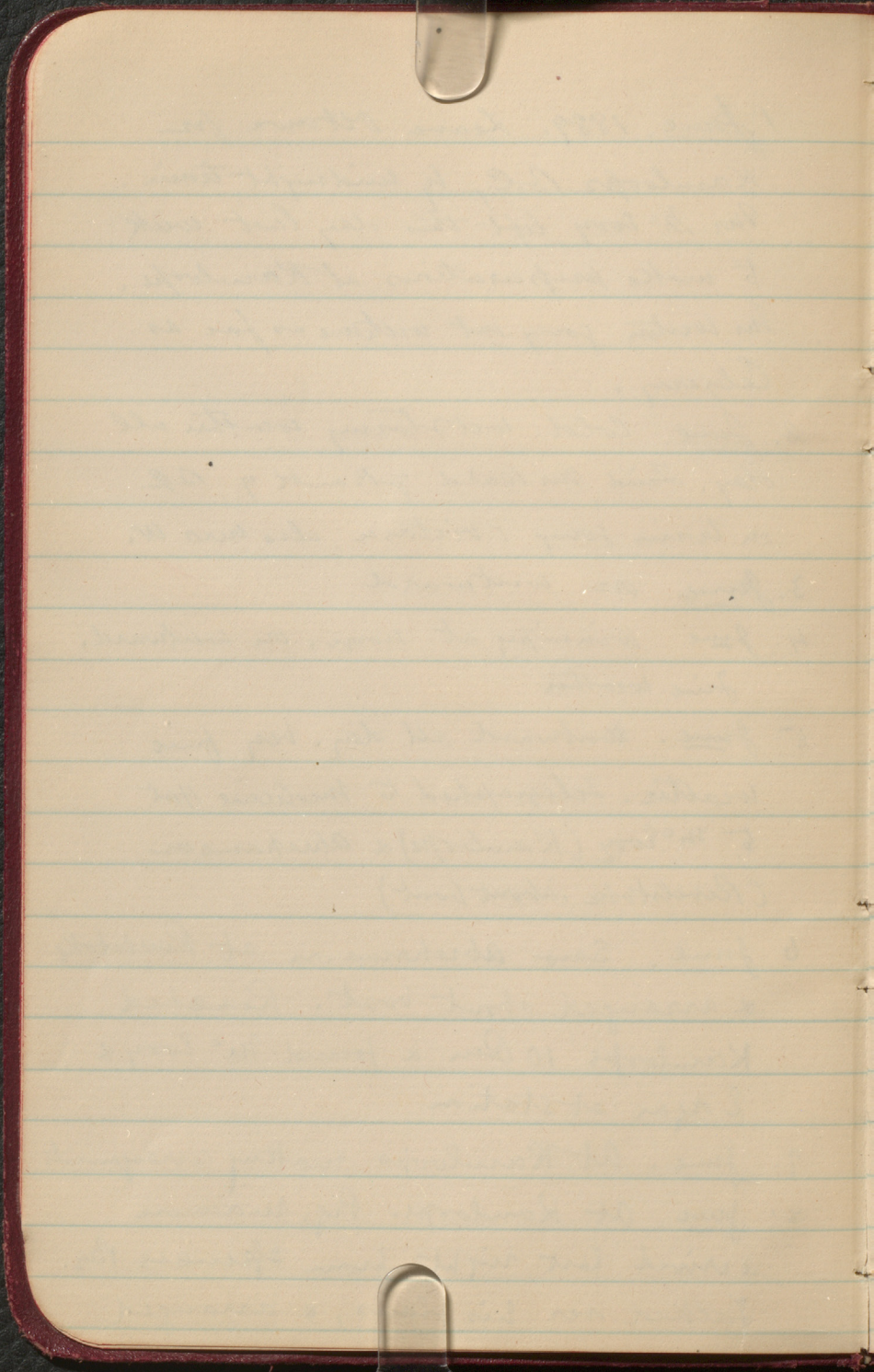


8

5



- 1 June, 1889. Leave Ottawa for Kamloops B.C. by midnight train. Mr McEvoy left this day last week to make preparations at Kamloops. Mr Weston going out with me as far as Calgary.
2. June. Cold wet stormy weather all day. Find Mr Ward of Bank of S.C. on train going to Victoria, also Mrs W.
3. June on westward
4. June Winnipeg at noon. on westward. Fine weather
5. June. Westward all day. very fine weather. Telegraphed to Medicine Hat to McEvoy (Kamloops) & Abrahamson (Revelstoke, about boat)
6. June. Saw Abrahamson at Revelstoke & arranged about boat. Reached Kamloops 10 Am & found McEvoy & Edgar at station
7. June. At Kamloops making arrangements
8. June. At Kamloops. Prof. Macoun arrived last night from Spences Br. Talked over his plans, & arranged



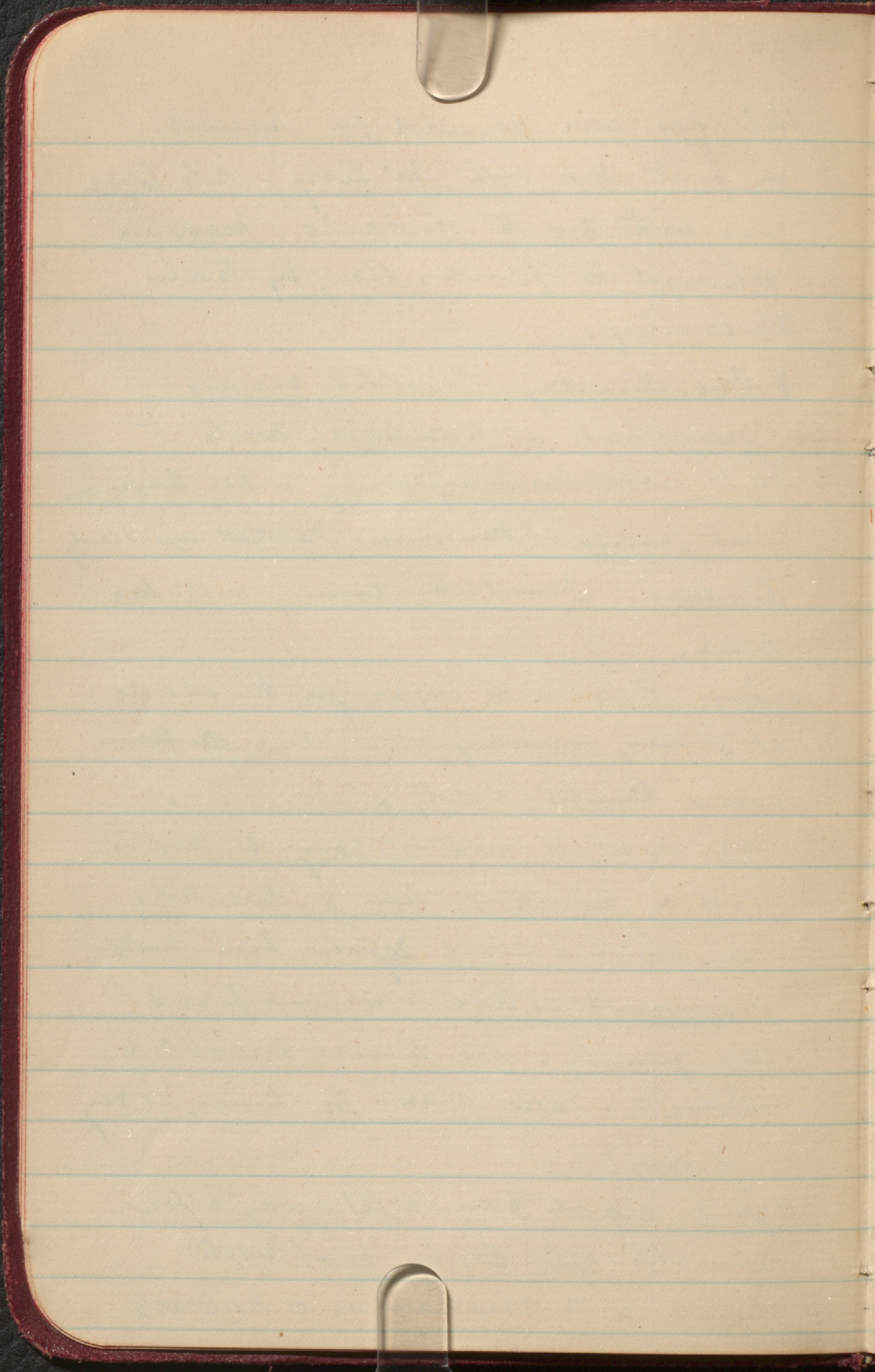
that his son should go round
on first trip with McEvoy, while Edgar
goes with me to Kootanie. Malcolm
returned to Spences Br., by train
this evening.

9 June, Sunday. Completed various
arrangements at Kamloops. Wrote to
Mr H. Abbot, Mr Shaughnessy & Mr Bowman
about borings at Vancouver. Packed up ready
for move. Dined in evening with Mr
Mara.

10 June. Leave with Edgar for Revelstoke
at 5 am, arriving 11.20 am. On train
Messrs Cambie, Abbot, &

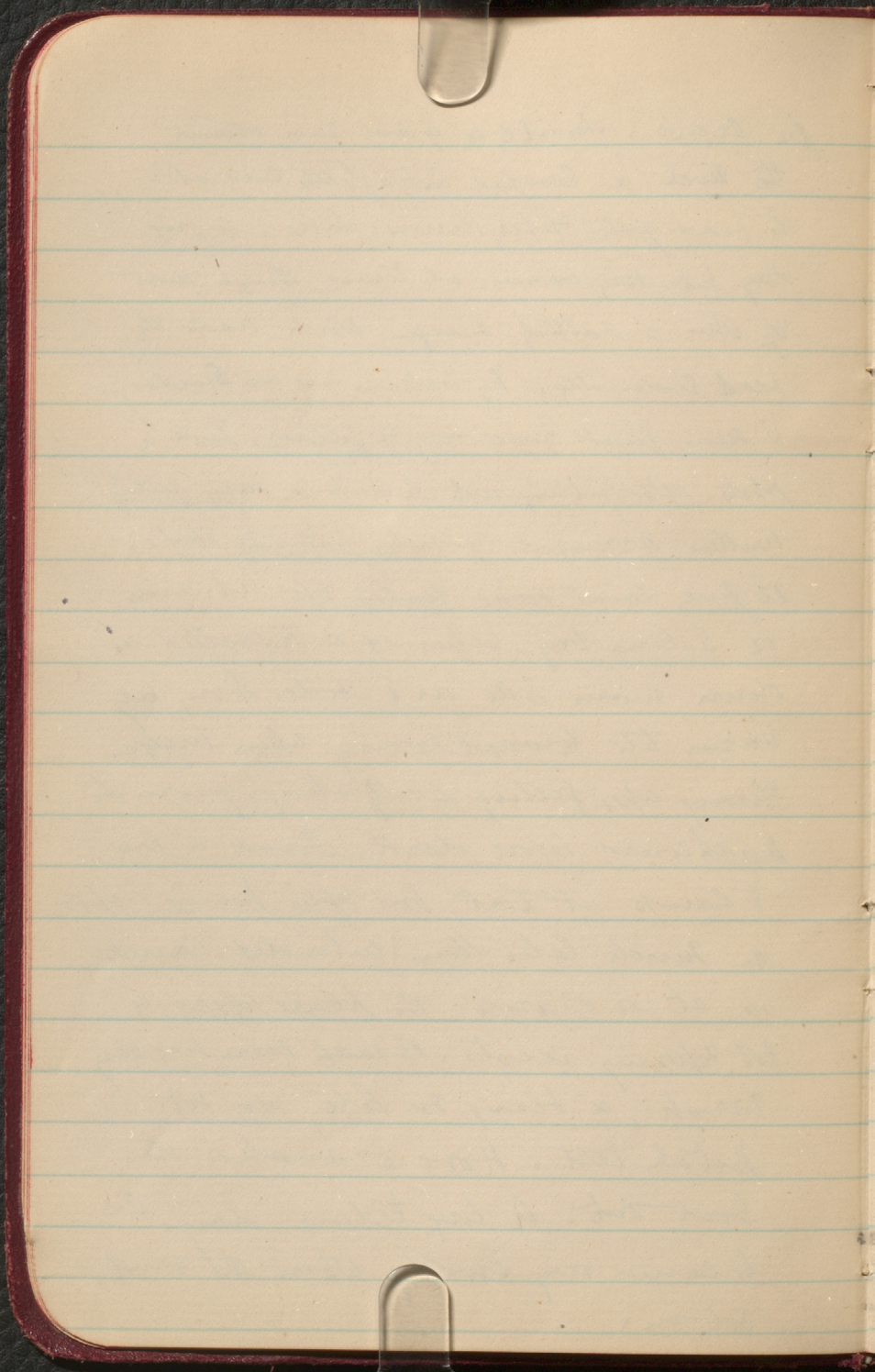
Here arranged with McEvoy to put in
about a month at K.L. of Kamloops,
after which I shall rejoin him. Make
arrangements at Revelstoke about boat &
trip generally. See Messrs Sproat &
Farwell. Take obsn. for time. A very
hot day.

11 June. Up at 8 am & sit away a few
minutes after 8, in boat with
Edgar, & a abrahamson & heidors



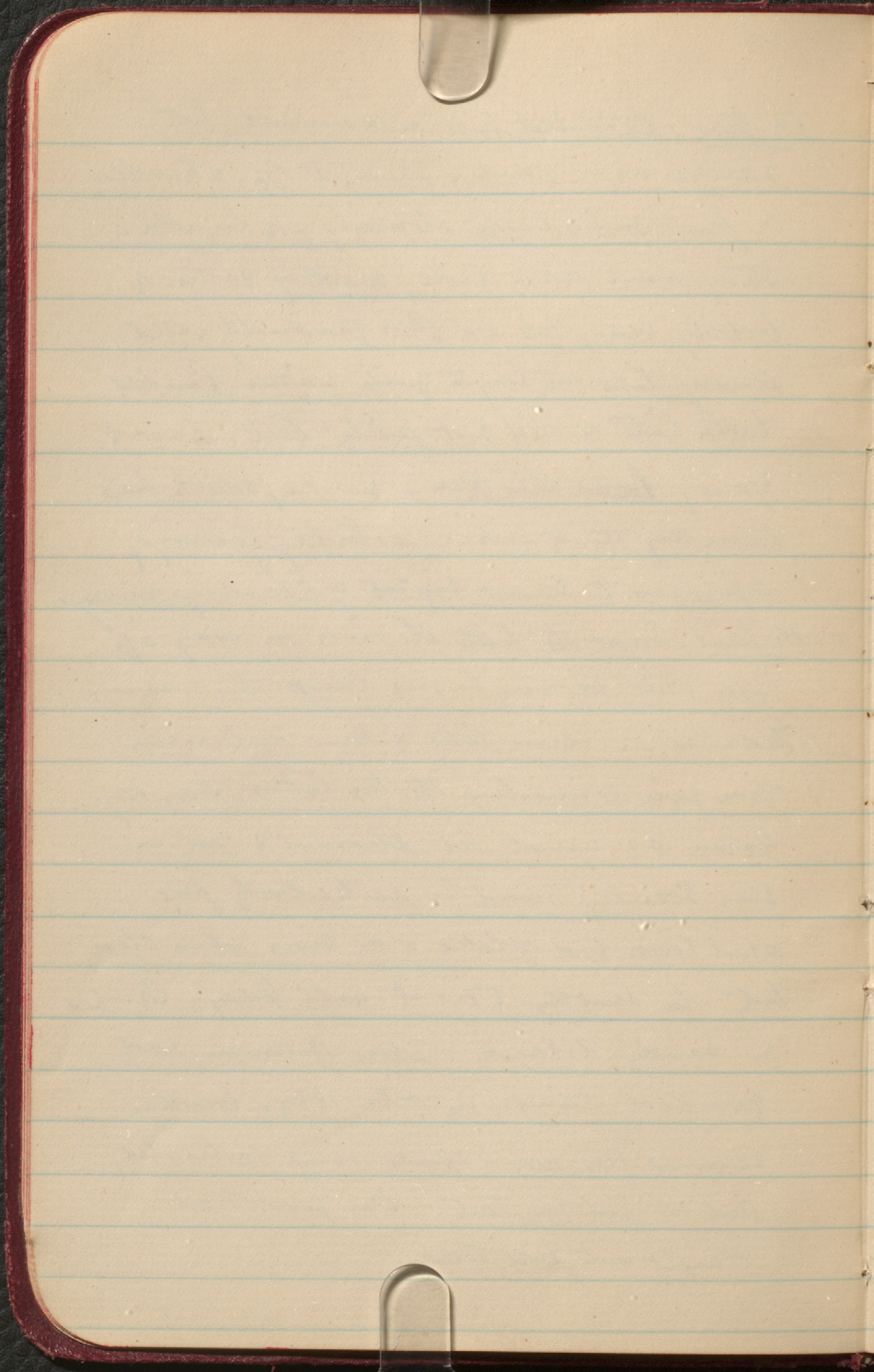
for crew, made a good run down
the river & camped in a little cove at
the head of the Upper Arrow Lake. A fine
day but very warm at times, though most
of Am. a westerly breeze which made the
heat endurable. My boatmen are two Swedes,
& seem quite good sort of fellows. Took a
photo. after getting into camp & busy getting
matters arranged & notes put into shape.

13 June, went some miles up N.E. arm
of Selkirk bay, returned & travelled on
down main lake on E. side. Day very
warm till toward evening when breeze
sprang up, getting pretty strong, from the
northward before dark. Found a place
to camp at last, but after having kept
on much later than intended. Camp
is at or opposite the place where a
hot spring exists. Beach even here very
rough, & being so late, do not
pitch tent. Have to anchor the
boat out. A long tedious day. Air
became very smoky when the wind
set in.



13 June. Climbed hill & examined hot springs above camp. Then got off, & travelled a few miles before stopping for lunch. Strong wind down lake, making rather a bobbly sea, but in P.m. gradually died away till at length quite warm. Camped rather late & did not pitch tent. Saw a young bear this P.m. Smoke, which has been very thick since yesterday evening, appears to show signs of clearing away.

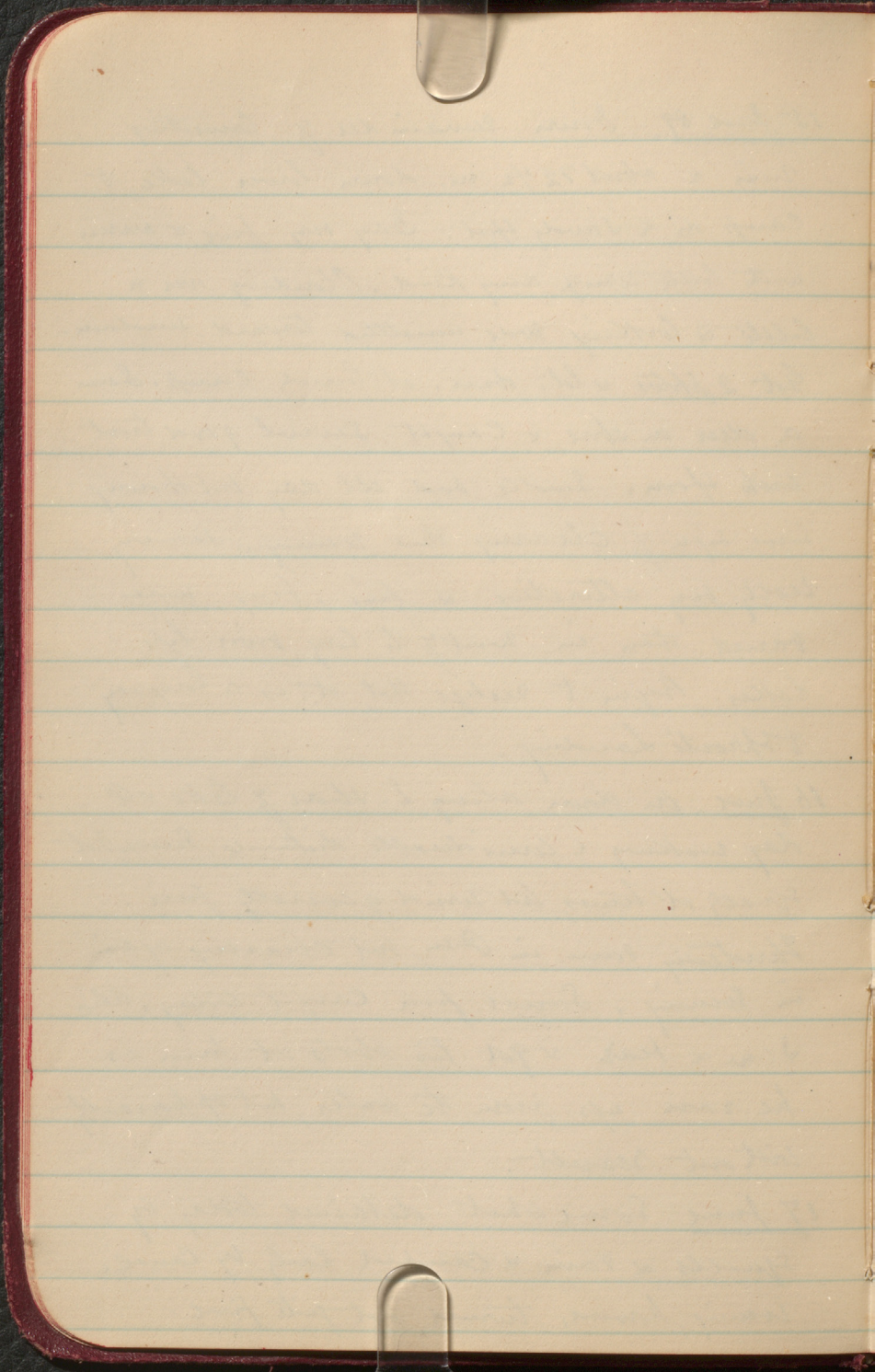
14 June. Saw the little steamer on way up lake while we were leaving camp this morning. Traveled on down lake & some distance down river connecting the two lakes. Day very warm as usual, but pleasant & cool in eve. Scenery must be particularly fine about lower end of lake & on river when clear, but too smoky to see it well today. Camped on Sandy Island, where Bowman had marked camp in Oct. 1884. Weather seeming very fine & space being contracted, did not put up tent. One good trout caught with troll today.



15 June 89. Down remainder of connecting
river & about 12 1/2 m. down lower lake, to
camp on a sandy spit. Day very fine & warm
with little wind of any kind. Clouding over a
little & looking more unsettled toward sundown.
Got 2 photos & lot. deer. at lunch camp. Saw
a deer on shore, & caught several good trout
with spoon. Smoke bad all day but showing
some sign of clearing this evening. Scenery
really very attractive & fine, being more
varied than in most of the long river-like
lakes. Begin to realize that it is a long way
to Sproat's Landing.

16 June. On down along E. shore of lake all
day making a considerable distance. Several
squalls at times, but wind generally fair.
Threatening rain in P.M., but clearing again
in evening. Several fish caught today. Also
saw a bear & got two shots at him as
he ran up from the water, but apparently
without result.

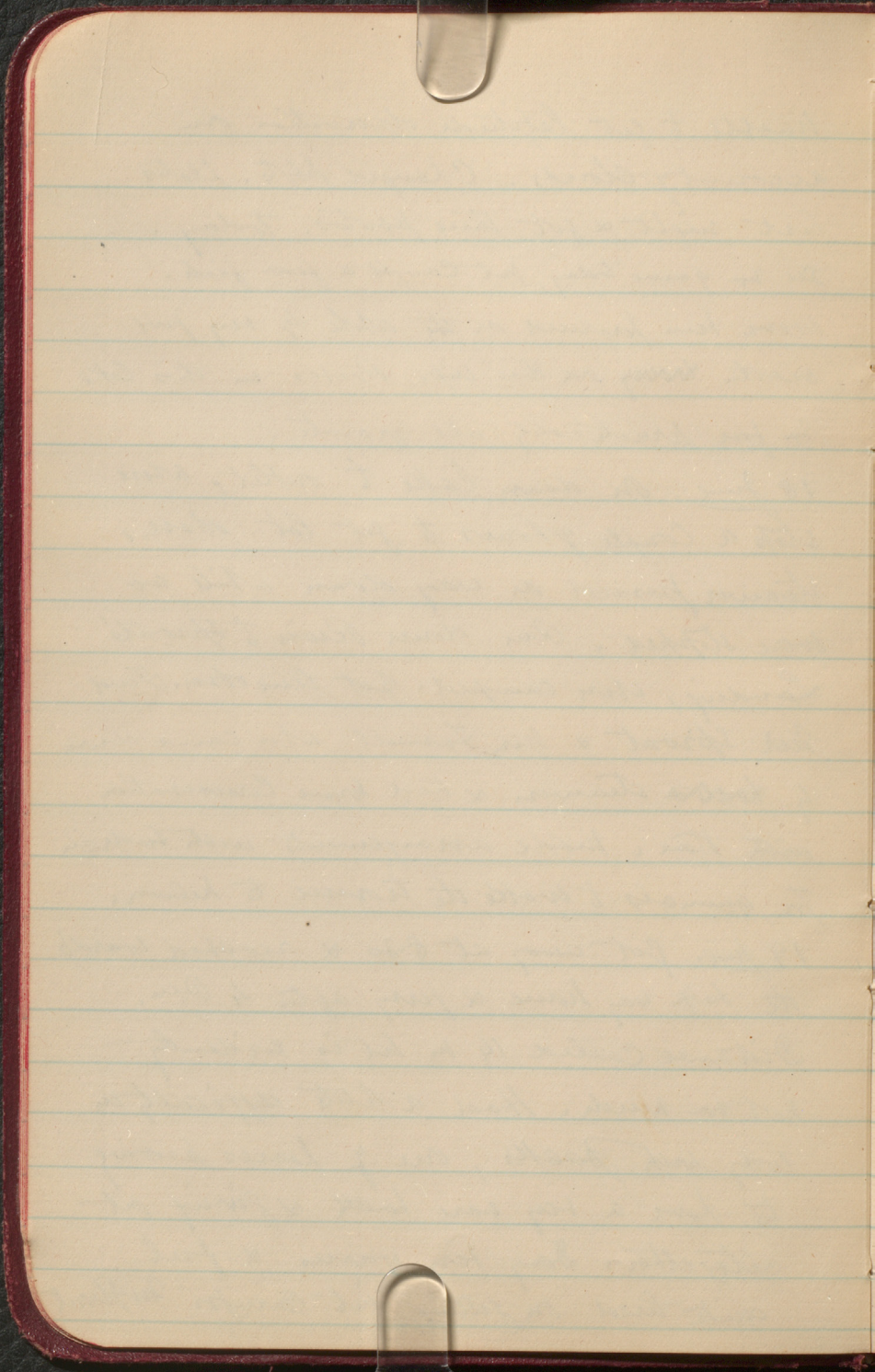
17 June Somewhat detained today by
squalls & rain & camped early by cause.
Evening, however, turned out quite fine.



Unable to get latitude observation on account of clouds. Changed photo. plates last night & got three photos. today. See no game today, but caught a few fish. Have been perched on the shore by very fine weather ~~today~~ on this trip. Rocks in this lake so far practically all granite.

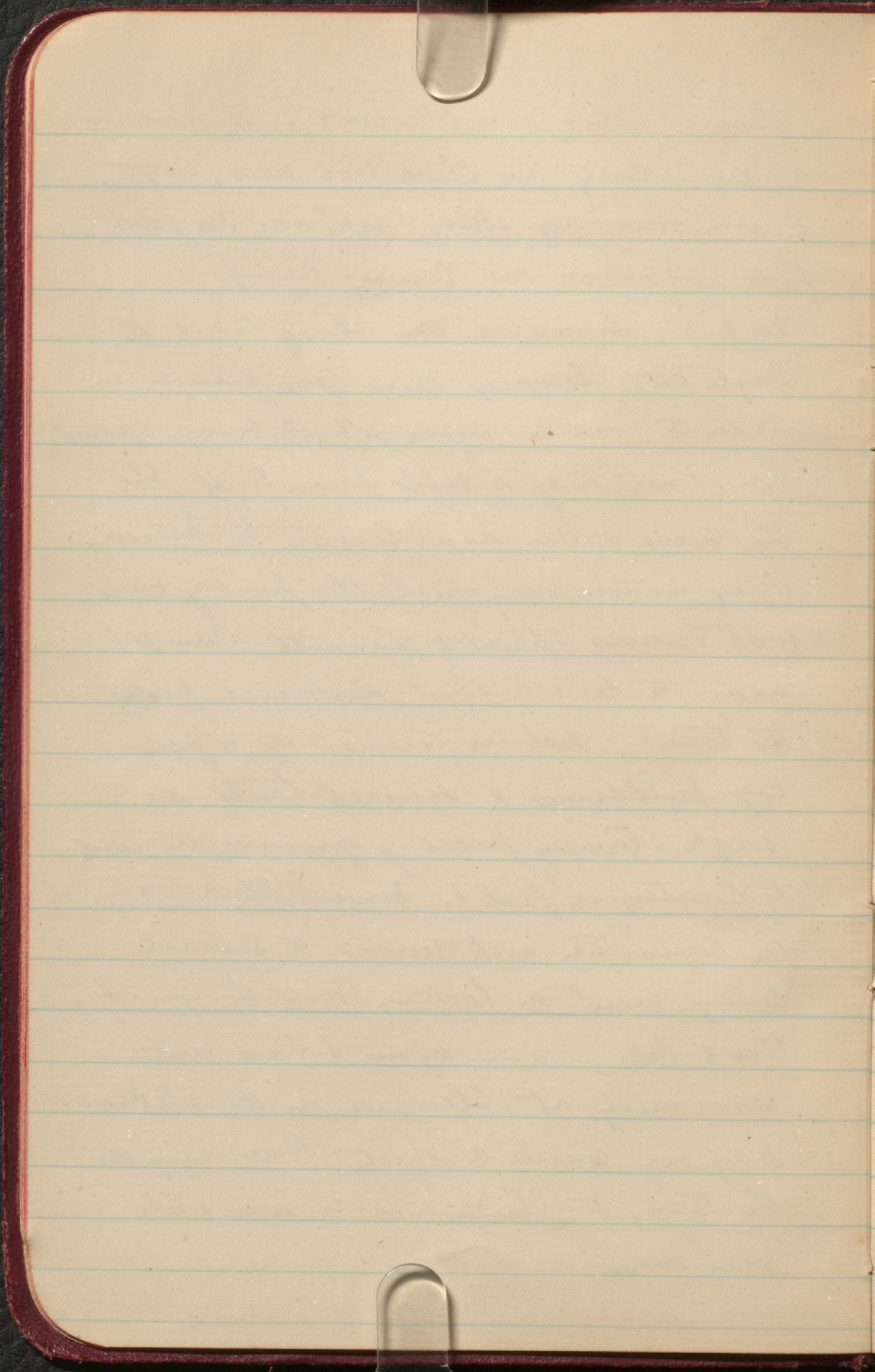
18 June. On down lake to outlet, where stop a couple of hours to get lat. obsn., steamer passed on way down while we were stopped. Ran down River to Sproat's Landing, where camped. Got two men, Fred Mc Sproat & Mr. Farwell who came down by ~~last~~ steamer & had some conversation with them. Made arrangements with Sudan for animals to work the traverse to Nelson.

19 June. Got away at 8:30 & reached wards the half way home & ferry after 4 P.M. Distance called 14 m but is evidently not so much. Had a little difficulty on way with packs, one of horses proving to have a very sore back & giving out altogether. Day very warm & feel quite tired on getting into camp. Mr. Sproat



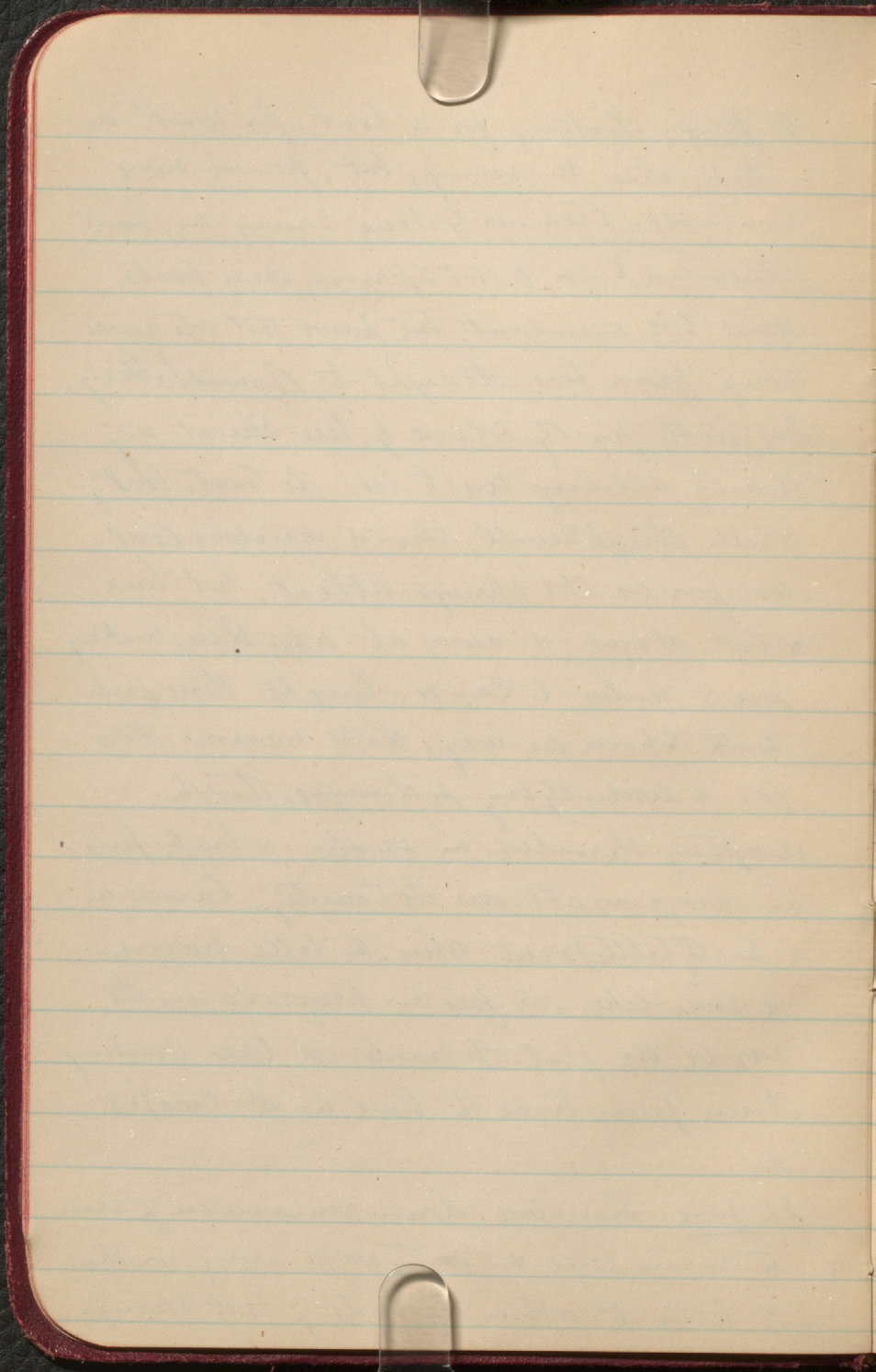
Farwell arrives about dark. The Kootenai
a remarkably fine clear flow river, swift
& with some very strong rapids. The first
fall just above our evening camp.

20 June. Travelled on along trail to
Eagle Ck, stopping there for lunch in
order to visit a mine which being opened
up about half a mile from trail. See
the mine & then on at leisure to Nelson,
being in company for latter part of route
with Messrs Sproul & Farwell. Camp
near the lake a short distance from
the 'town'. Nelson consists of a few
log buildings & several tents on a
rough stumpy piece of ground named
by Courtney a 'flat'. Some little activity
in connection with mines & several
'mining men' in looking over the country.
Saw Mrs. _____ whom I had met
previously at Glenora on the Stikine.
Day very warm & dusty travelling on
the trail, parts of which are still
very bad.



21 June. Looking for a boat for work on
Lake this morning, but found none
suitable. Steamer Galea coming in, had
decided to go to Hot Springs, where boats
said to be abundant, but found that steamer
going from here straight to Bonner's Ferry.
Difficultly finally solved by the Sproat very
kindly allowing me to hire the boat, which
though small, served amply well
as far as Hot Springs at least. Got time
& left about 1:30 P.M., making
over 8 miles to Camp. Caught three fish
with spoon on way. Lake narrow thus
far & evidently very picturesque, though
everything shrouded in smoke & brush fires
in progress all over the country. Camp on
a pretty little point above the lake narrow
& river like. A fire in progress in the
woods on flat opposite & trees crashing
down from time to time as it creeps
on

22 June. Travelled down remainder of arm
to main lake & northward along W. shore
of latter to within $3/4$ mile of Hot Springs.



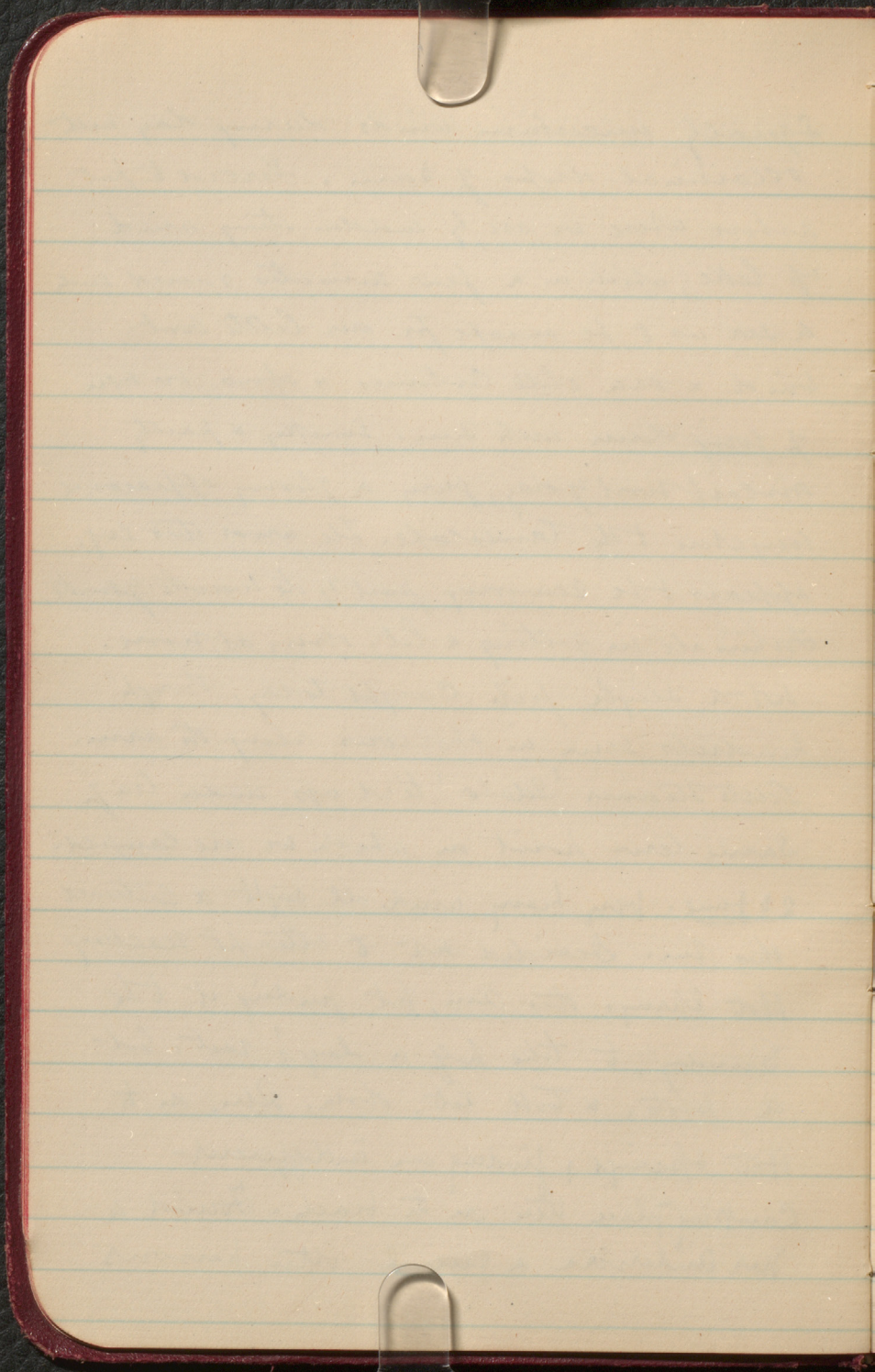
Squally uncertain winds during day with occasional drops of rain. I feared to put ashore where we are, by sudden strong wind up lake, which in a few minutes raised such a sea as to be unsafe for our little boat.

Wind & sea still continues & shows no sign of going down with sun. Smoky & partly overcast most of day, giving a gloomy appearance everywhere to the landscape. The wind this eve. appears to be removing part of the wants of smoke. Fortunate in getting a lot. obs. at noon.

Not a single fish caught today, though hundreds seen in shallows along the arm.

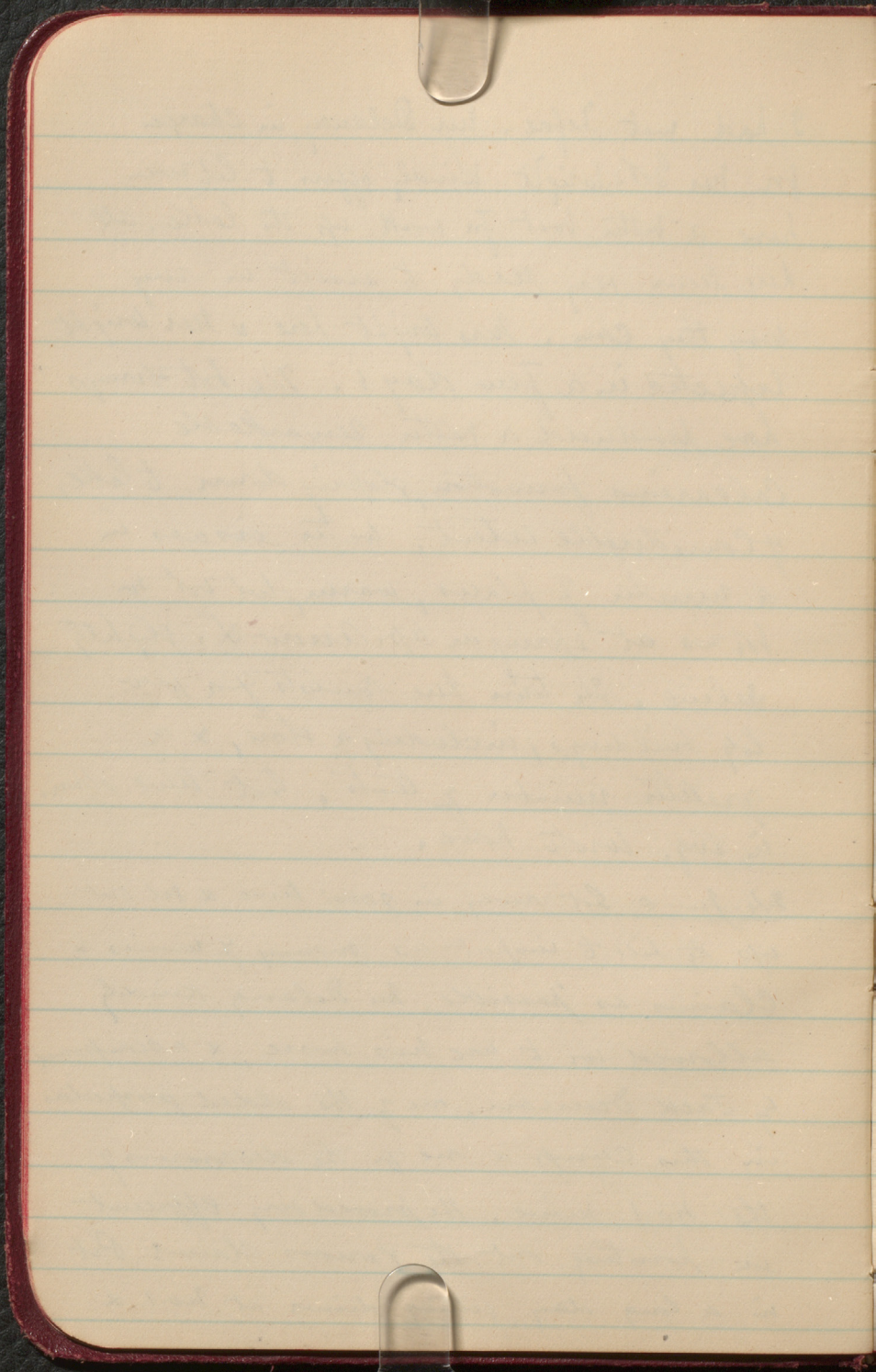
Left the steamer 'Idaho' tied up under flag same low point as which we are camped.

23 June. Very heavy wind all night & continues this am. Decided not to attempt reaching Hot Springs this am, but finding it to be Sunday, to take half a day's rest. Got a photo. & took lot. obs. Rhs. as to Hot Springs, finding an indifferent camping place there on the beach. Found a Mr Anderson & several other persons



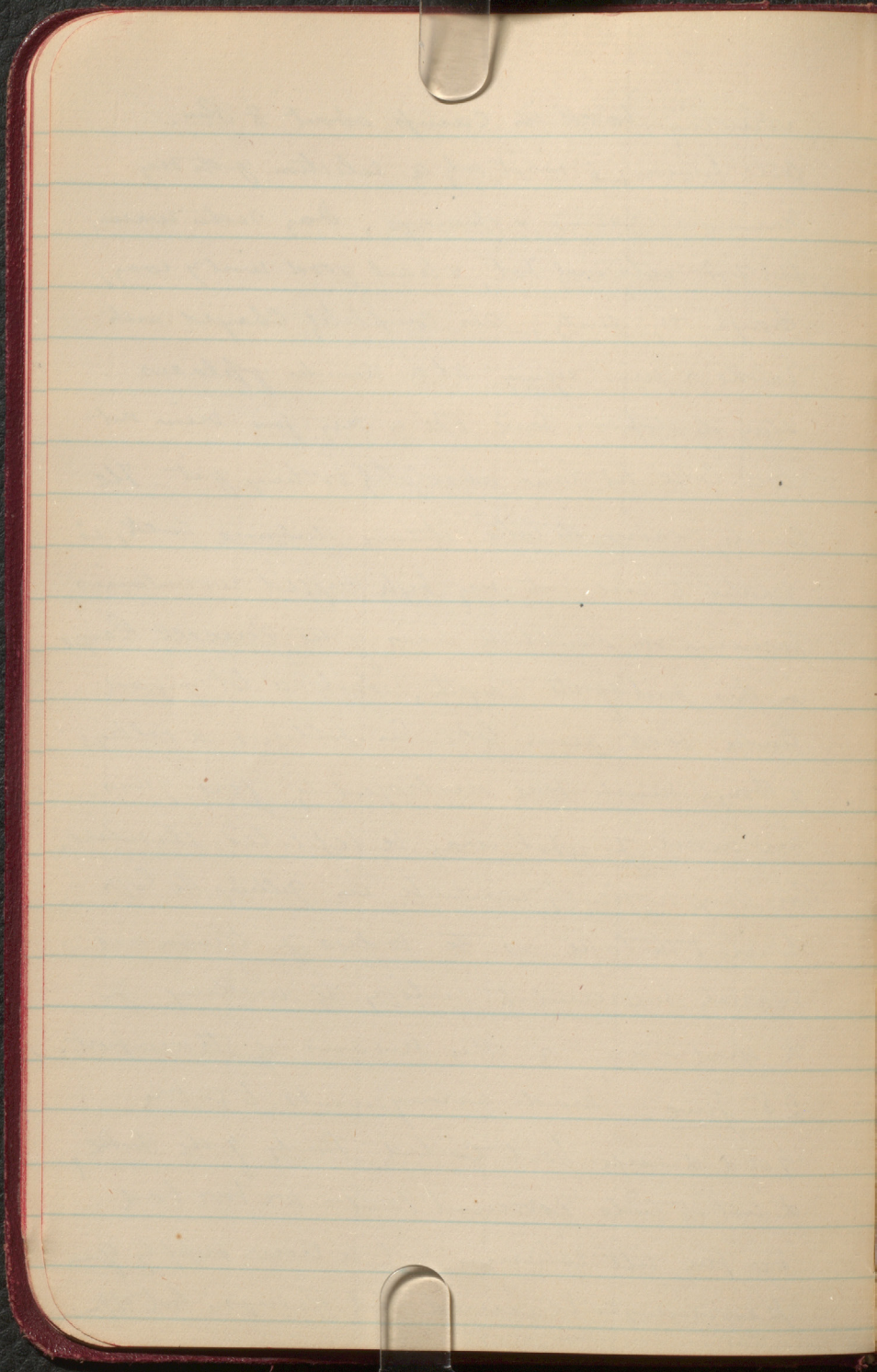
I had met before. Mr Delaney, in charge
for Mr G.B. Wright kindly offers to let us
have a better boat for work up the lake. all
here seem very ready to assist in any
way they can. Mrs Wright here & Mr Wright
expected in a few days. The hot springs
have produced a rather remarkable
Calcareous formation, sloping down to lake,
of considerable extent. Water issues in
a number of places, warm, but not so
hot as at spring on top. Arrow L. slightly
saline. The town here consists of a few
log buildings, including a store, & a
greater number of tents. Got time over,
in evg. wrote home.

24. June Got away in good time & set out
up the hill to inspect as many of mines &
Claims as possible. Mr Delaney kindly
allowed us to use his horse, & accompanied
by Jack Duncan, one of the oldest prospectors
in this camp & one of the discoverers of
the No. 1. mine. He proved very efficient
in pointing out the various claims. Put
in a long day, getting dinner at No. 1. &



arriving back in camp about 8 P.m.
able, however, to visit only a selection of the very
numerous claims & openings. Day rather warm,
but not extremely hot, & trail good most of way,
though very dusty. Air completely charged with
smoke & fires raging at a number of places
along the slopes. Saw 6 or a very fine view out
over lake but saw absolutely nothing yet. The
Country across the lake, at some distance back, is
reported to rise into very high rugged mountains,
forming no doubt the axis of the Purcell Range
in this part of its length. Quite a lot of good
timber back from lake in hollows & valleys
& though much here destroyed by fire, gives
an idea of what may be expected elsewhere.
The chief difficulty would be in getting the logs
down to the lake as the bodies of timber are
scarcely sufficient to justify the making of
a skid-way or other means of transport.

25 June. Made arrangements to get a
good & large boat called Lady of the Lake,
& left the little Government boat - we have had
so far, till return. Got a new supply of
provisions. Examined the things. Got off



afternoon & crossed lake to Galwa Bay,
with — accompanying us & afterwards going
on the various camps or claims in 'Hudson's
Camp' with us. Spent whole day at this, &
found it very hot work. Air sultry & as
usual full of smoke, so much so that we
were unable to see the West shore of lake when
we set out.

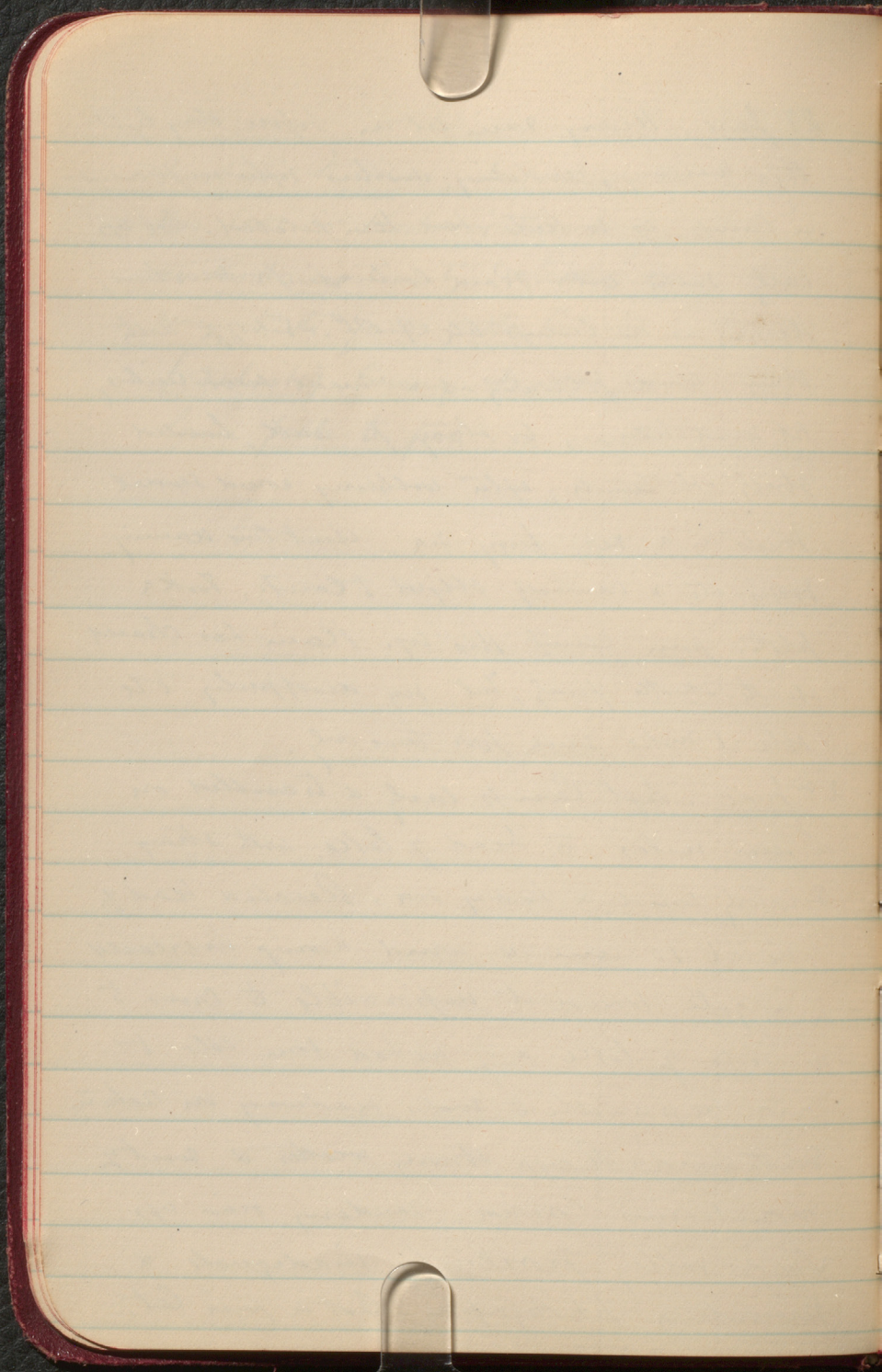
26. June. Travelling northward along E.
shore of Kortawa L. Tied up by heavy wind
and by rain, but got away about 5:30 & reached
Camp at 7 P.M. Decided not to pitch tent,
Storms last night removed much of the
smoke, at least temporarily & allowed some
general views of mountains & lake, which
extremely picturesque. High ranges on both
sides of lake at some distance back
from shores. Woods are extremely variable
& varying on this lake so far as we have
experienced. Managed to do a little
sailing today, or should have made a
very short journey yet.

Ind.

Kootanie Indians, supposed that all
this Lake is Kootanie Territory, & that
the Kootanie Country extended down the
river to the falls, the Colville Indians
(Selish) coming up as far as the
lower fall to fish.

27 June, Heavy rain set in before day light this morning, rendering matters rather unpleasant in camp as our tents had been pitched. Got up early rather wet. Rain continued for some time, keeping us in camp till 9 o'clock. Set off with strong wind following as we made some miles, but wind blowing too strong for work; landed shortly after lunch, after walking round several points in a very heavy sea. Spent time examining rocks etc. & eventually obliged to camp, took a photo. from camp this way. Rain has cleared up the smoke pipe, but very disappointing to be able to make such poor time only.

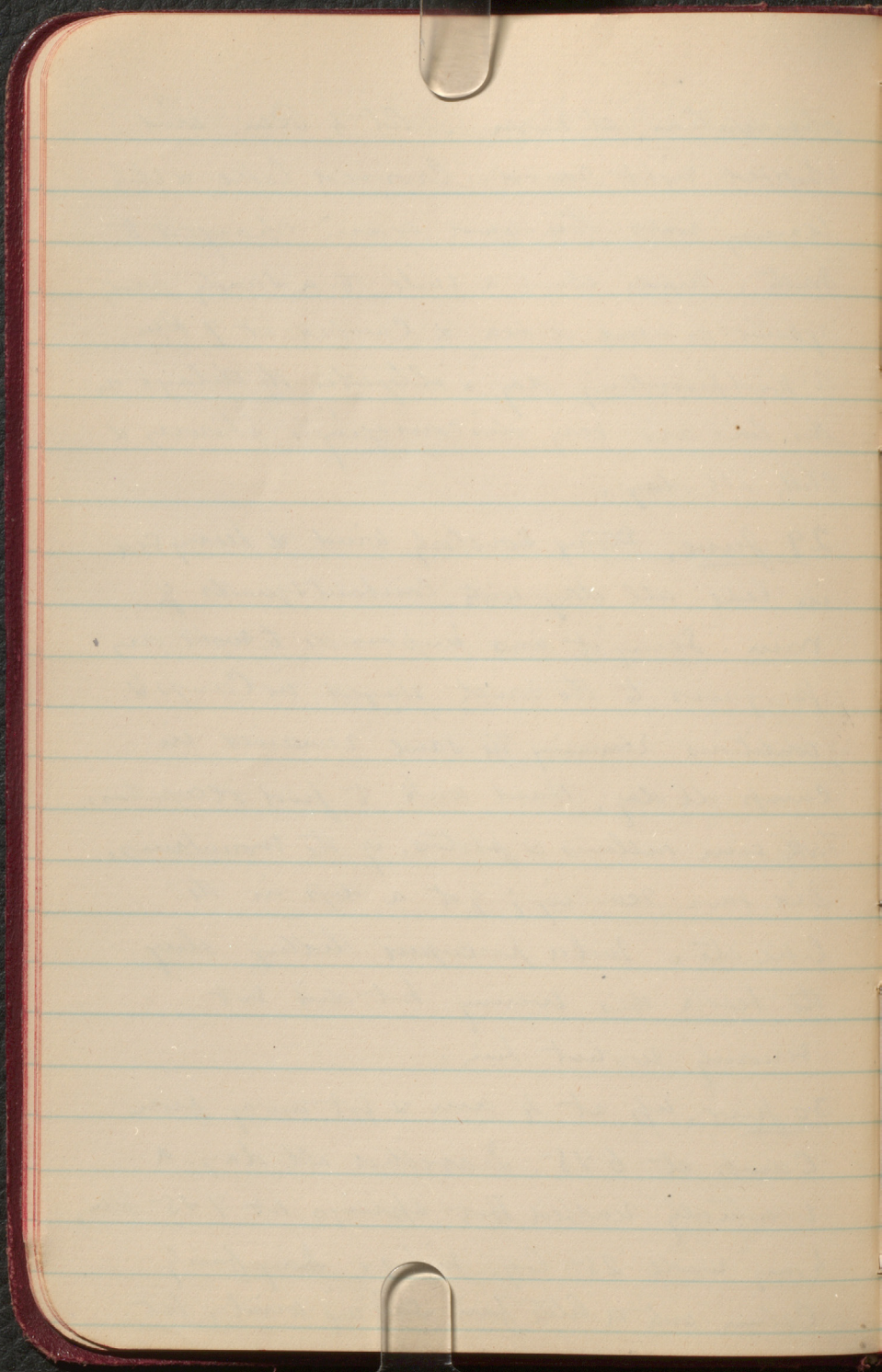
28 June. Left camp early & travelled on a few miles to head of lake with strong southerly wind & heavy sea. Reached head of lake at 10 am & wind having increased to a gale, found it impossible to cross to W. side of lake & if we had been able to cross impossible to make headway on return southward. Rough stormy weather & westerly mountains covered, rendering view up Lardon valley provokingly inadequate & preventing photography. Got a pair Cat.



observation at noon. At 4 P.M. wind
whipped right round. Crossed lake, & white
scummy rocks then wind again changed to
South. Made about a mile to a sandy point,
against the wind & sea, & Camped at 7 P.M.
A most provoking day & altogether the delays on
this lake are very discouraging. Stormy &
chilly all day.

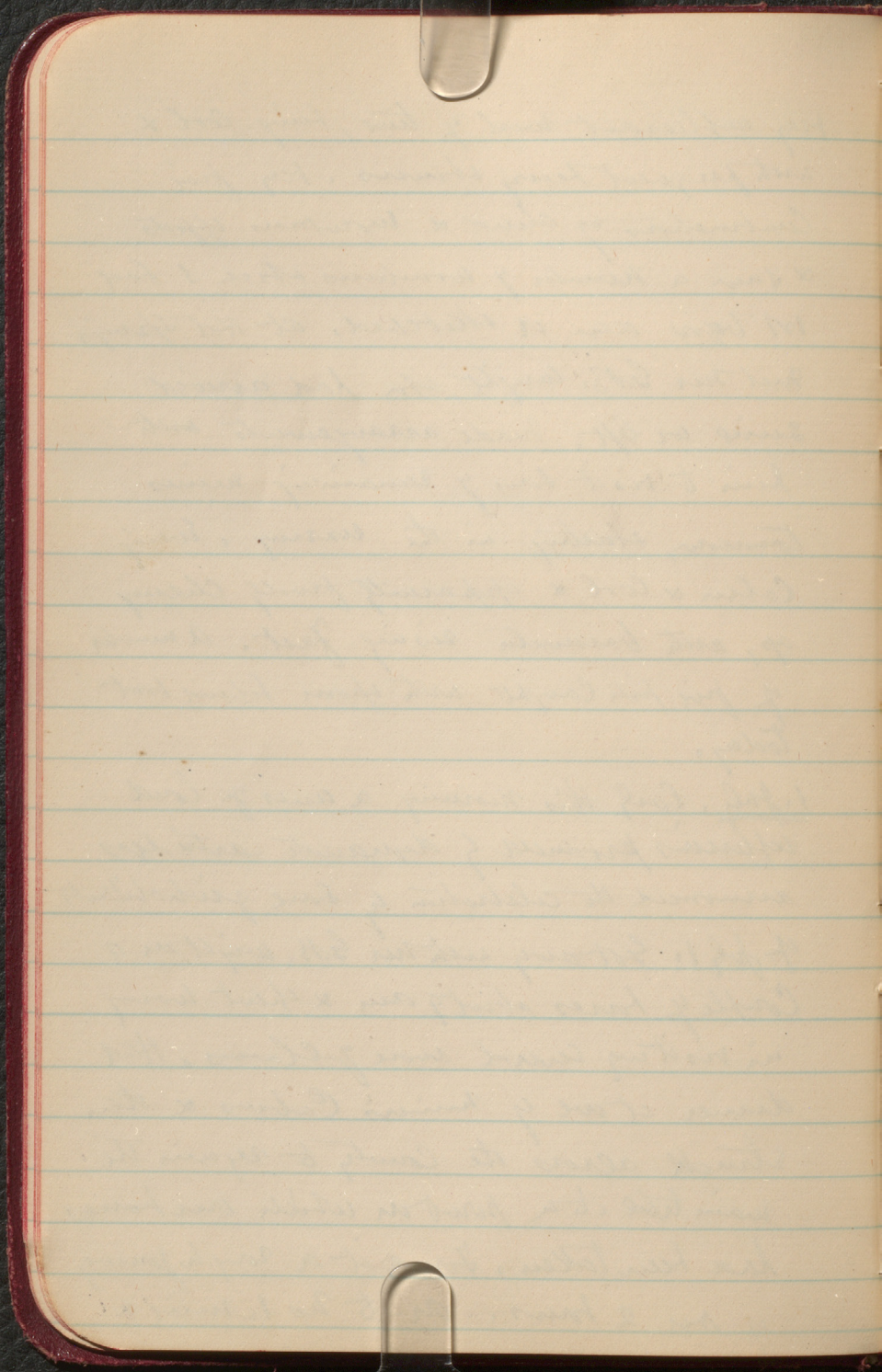
29 June. Strong Southerly wind & heavy sea
in lake all day with constant squalls of
rain. Seeing it was impossible to make any
progress to the South stayed in Camp &
conditions remaining the same remained in
Camp all day. Hard work to find occupations.
Took some outlines & photos. of the mountains.
Did some reading; got a dip in the
lake etc. Met a porcupine straggling along
the beach this evening but did not
seriously molest him.

30 June. Up at 4 am & got away from
Camp at 6:15. Travelled all day &
eventually reached Hot Springs at 7:45 P.M.,
having made 25- log. miles. Day fairly
calm with a little fair southerly wind, but



Very unpleasant work of time, being cool & with frequent heavy showers. Very fine combinations of cloud & mountain effects & saw a number of Wombats which I had not before seen or sketched. At Hot Springs met Mr G.B. Wright, who had arrived since we left. Made arrangements with him to visit some of remaining mines tomorrow, starting in the morning. Evening calm & cool & apparently fairly clearing up, with barometer rising fast. A number of fine fish caught with spoon behind boat today.

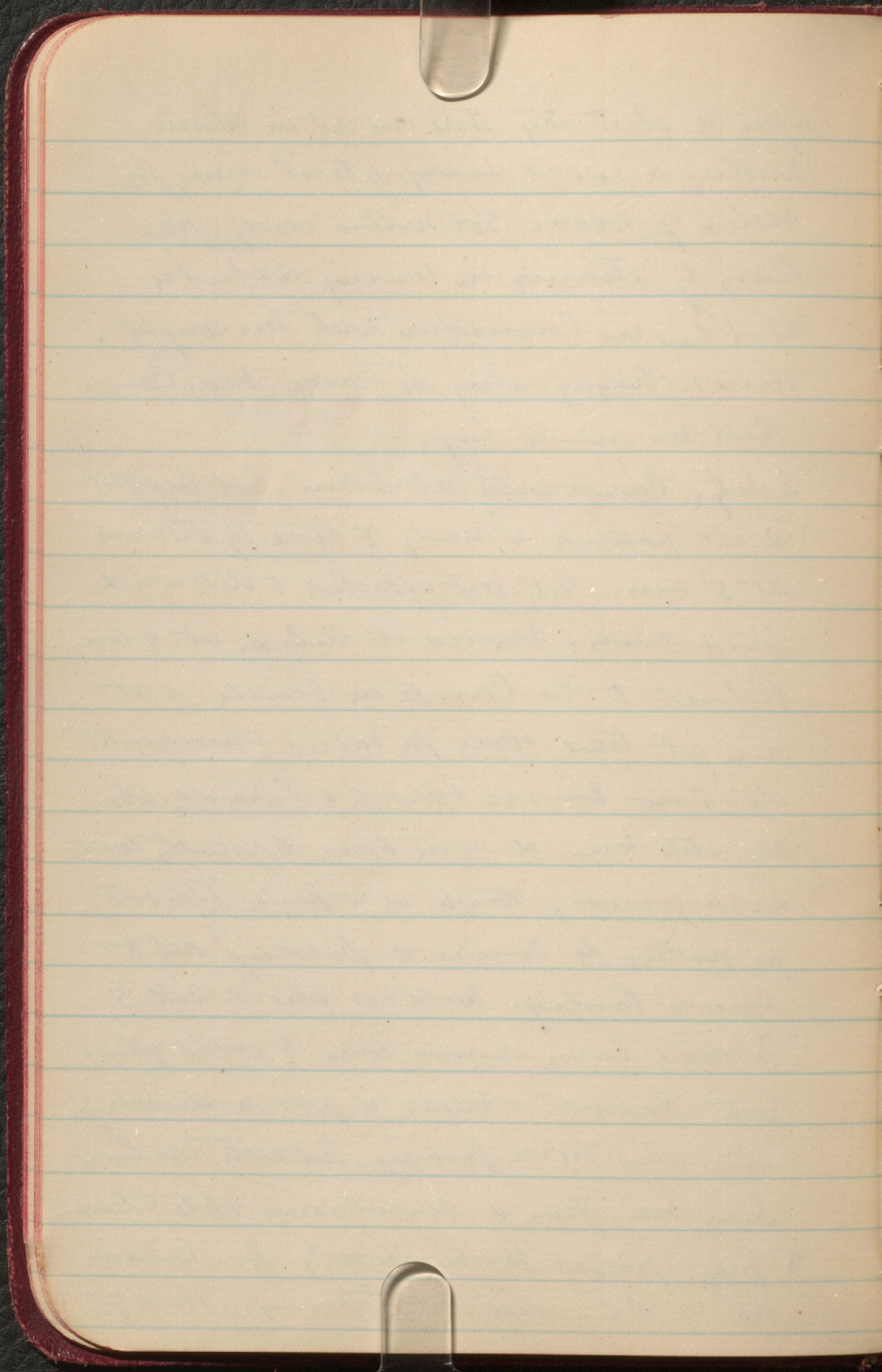
1. July. Early this morning a series of loud explosions produced by dynamite cartridges announced the celebration by some of the inhabitants of July 1. Got away with Mr G.B. Wright on a couple of horses about 9 am & spent morning in visiting several more of claims. Had dinner at one of miners' Cabins & then struck across the County to regain the main trail at a point on which our horses had been taken. Found it a very long journey of over 2 hours. On to No 1. mine &



after a short stay there set out in return,
making a paced survey of trail down for
section of rocks. Got matters ready for
leaving by steamer in morning & started
at low tide in Cavendish with two bright,
Hanes straggling along the beach near Camp
Kept us awake long.

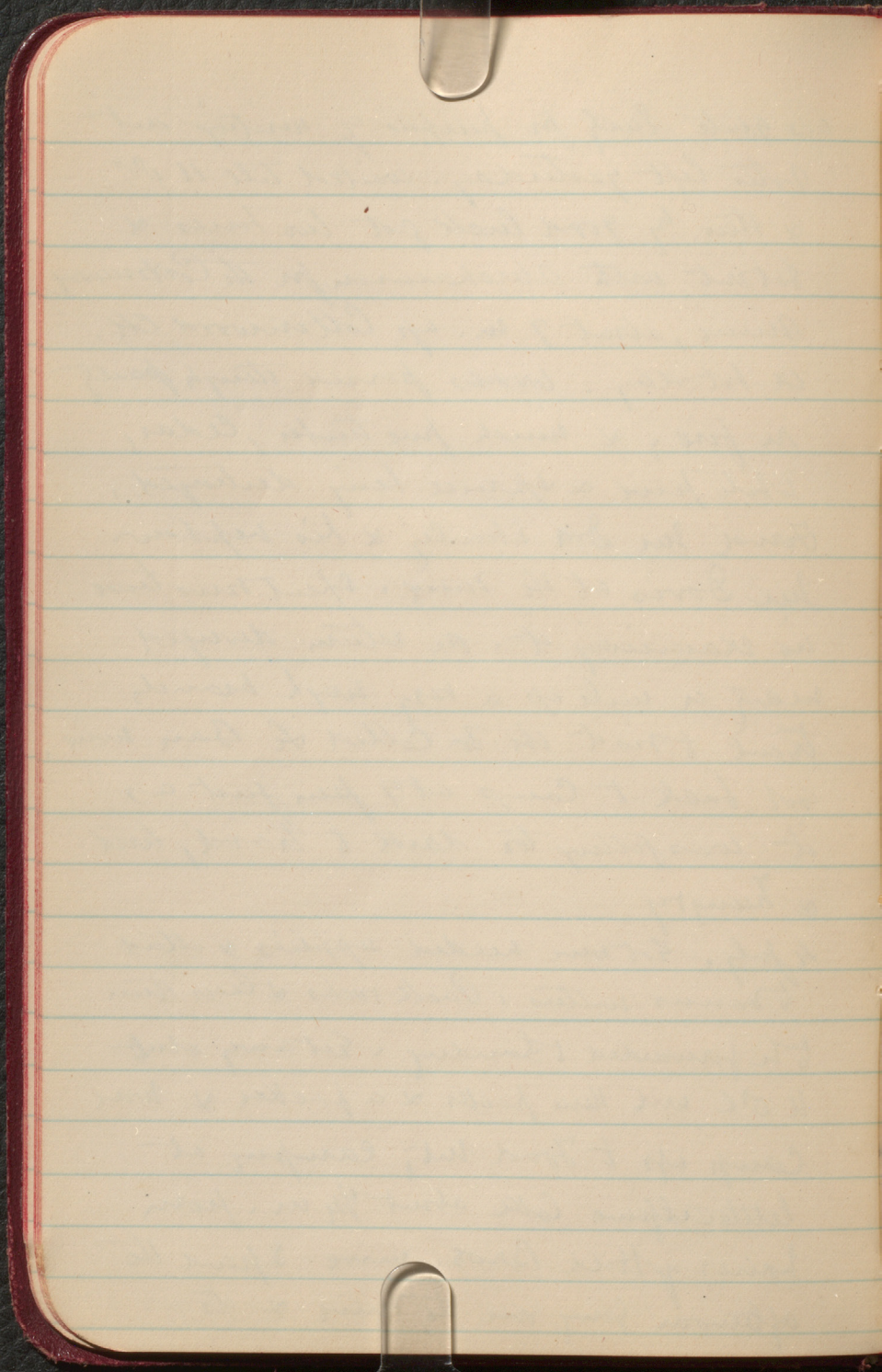
2 July. Camp out at 3 am. Got breakfast
& all packed & ready to leave by steamer
at 5 am. Got boat attached to steamer &
towed down. Arrived at Nelson at 9 am.
Returned to old Camp on beach & at
one got time over for getting Chromatite
the saw weisers Sproot & Farwell, who
are still here & after some difficulty made
arrangements, though at a pretty high tide,
for visiting the mines & packing out to
Sproot's landing. Wrote up notes & took 3
photos. Conroy rowed train to outlet of lake
with Farwell & Edgar & got a sketch of
it. Also tried fishing, but with no luck.
Day very fine & mountains still clear.

3 July. Hanes promised by Joe Wilson
for 9 o'clock did not turn up. Had got



up quite early for purpose of writing out
notes left yesterday. waited till 11 o'clock
& then by good luck got two horses &
set out with Albrechtman for the Cottonwood
mine, about 7 m. up Cottonwood Crk.
A hot day. Woods passed through partly
on fire, & much pine timber, cedar,
white pine & spruce being destroyed.
Found Mr. J. Stanley & his nephew
Mr. Davis at the mine. Spent some time
in examining it. On return descended
nearly a mile up a very rough branch
trail to visit the so called Le Bar mine.
Got back to Camp at 9 pm just as
it was getting too dark to travel, tired
& hungry

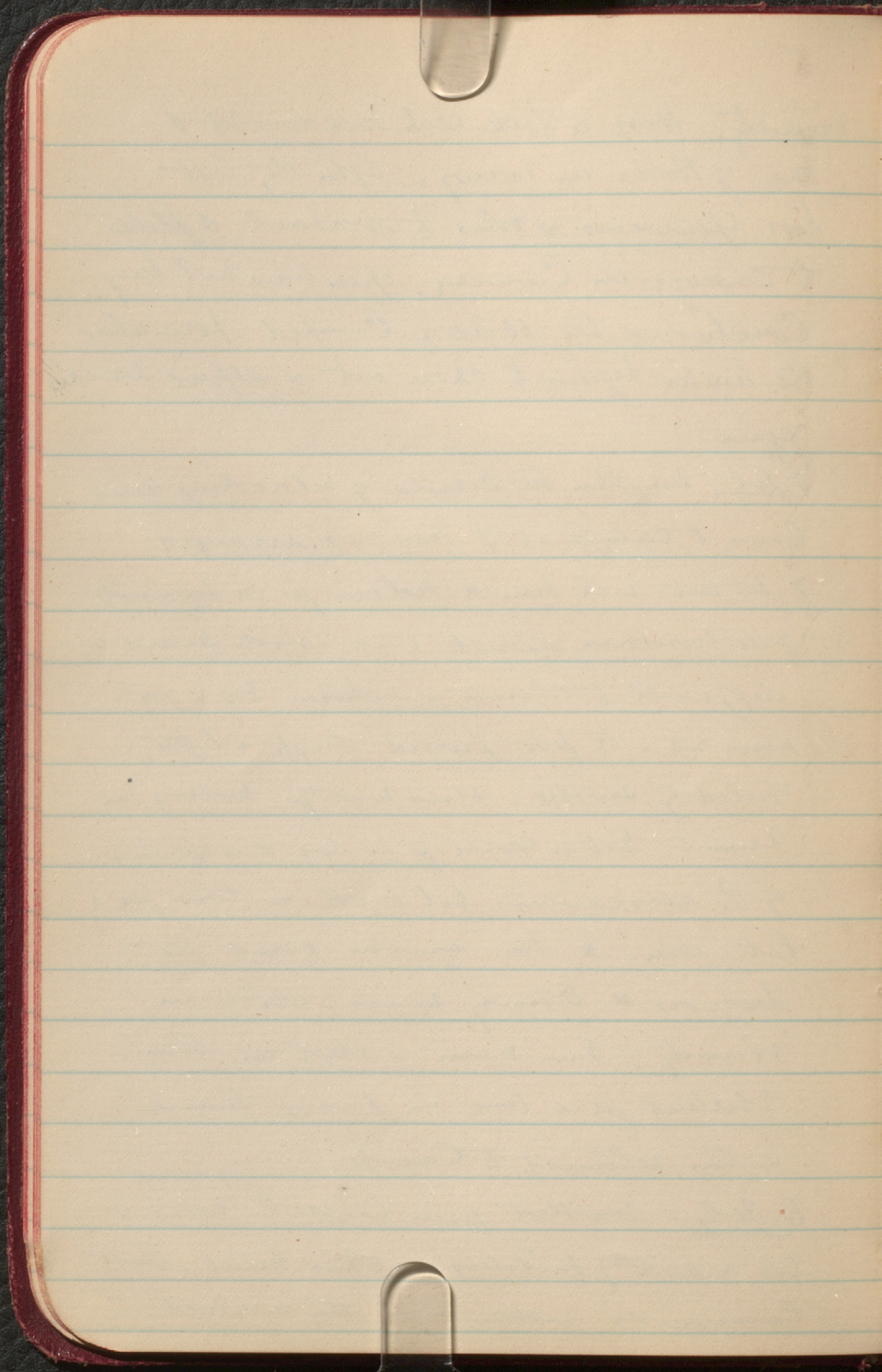
4 July. Got some needed supplies & attend
to various matters. Pack rocks & leave them
to be forwarded to Landing. Get away about
11 o'clock with three packs & a packer & was
Camp up to Food Mt., camping at
little alpine lake about $\frac{1}{2}$ m. from
houses of Hall Bros. mine. Spent the
afternoon going over the mine & the



vicinity. Then a talk with Woodruff & one of Halls in evening. After they left have specimens & notes to overhaul & plates to change in Camera, operations not being concluded till 10.30. Camped here where the timber begins to open out & alpine meadows begin.

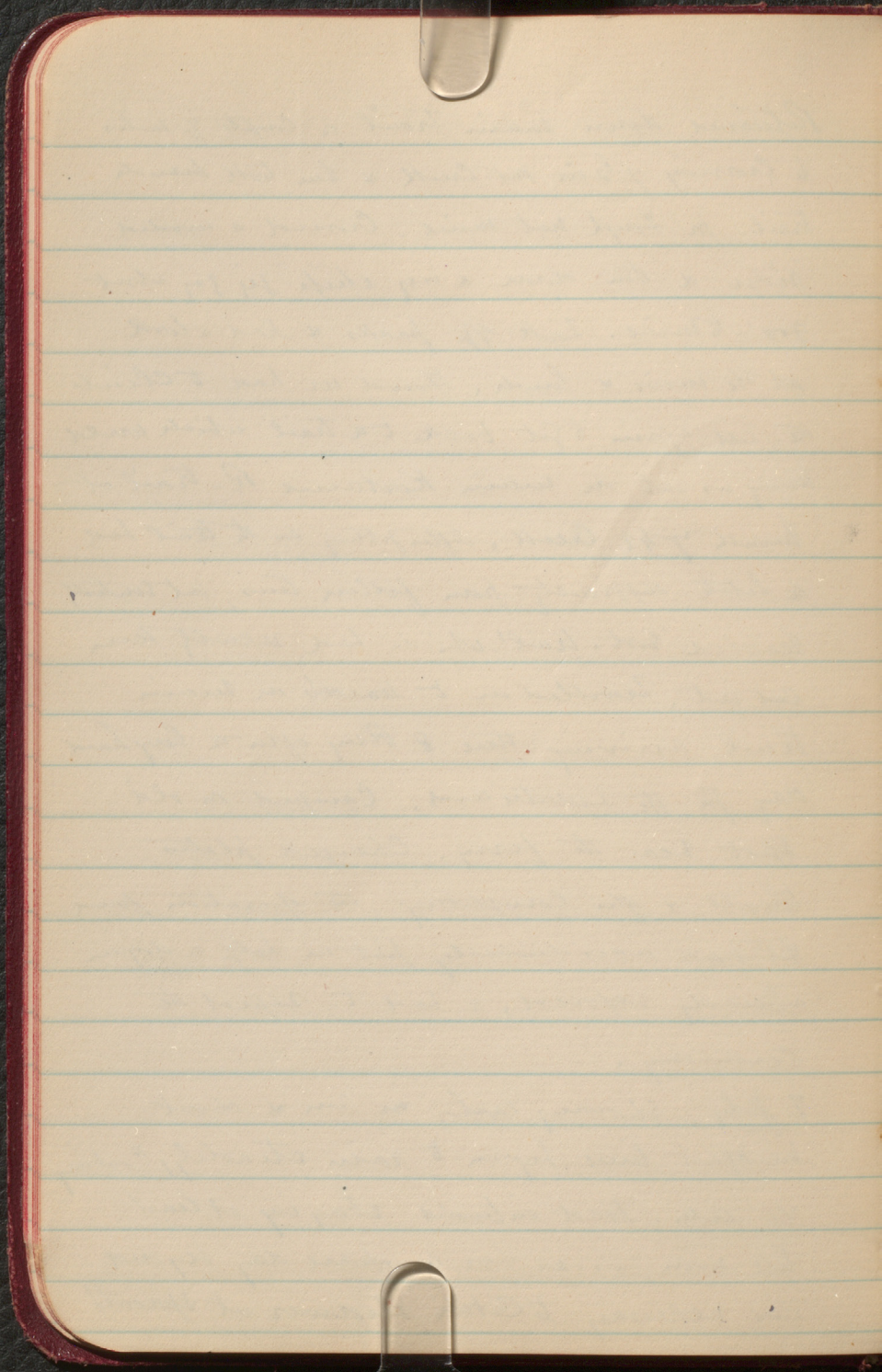
5 July. Mr John McDonald of Silver King mine came to camp at 7 am, as arranged & set out with him & Nelson for the summit of the mountain west of us, which proved not difficult to climb & between 800 & 900' above us. A fire proved though a little spoiled by smoke. Spent most of morning in summit. Got a couple of photos & a photo of *P. albicaulis*. Got back in time for a hot. dinner. & then went on to visit the Ingois & Dandy mines, which in vicinity. Some rain & slept in Pen, sheltered for a time in Halls' house, & then returned to Camp.

6 July. Walked from Camp to Halls & got a photo of buildings at his mine. Put Camera on packs when they arrived.



Returned down main trail a couple of miles to crossing of Gair out Creek & then took branch trail for Long nut mine. Crossed a wooded ridge & then down a very steep zig zag about 900' to mine. Took up packs & had a look at the mine & lunde. Found we had to climb the hill again to get back to a trail which would bring us out on main Kertaine R. trail at mouth of 42 Creek. After getting on the trail had a little difficulty from fallen trees, but eventually reached 'Ewt. trail' which had recently been cut out. Travelled on to wards on main trail, arriving there 8 P.M. after a long hard day for the pedestrians. Camped on old spot near the ferry. Changed plates tonight, & after completing the operation found that had accidentally put in half a dozen already exposed, & had to repeat the ceremony.

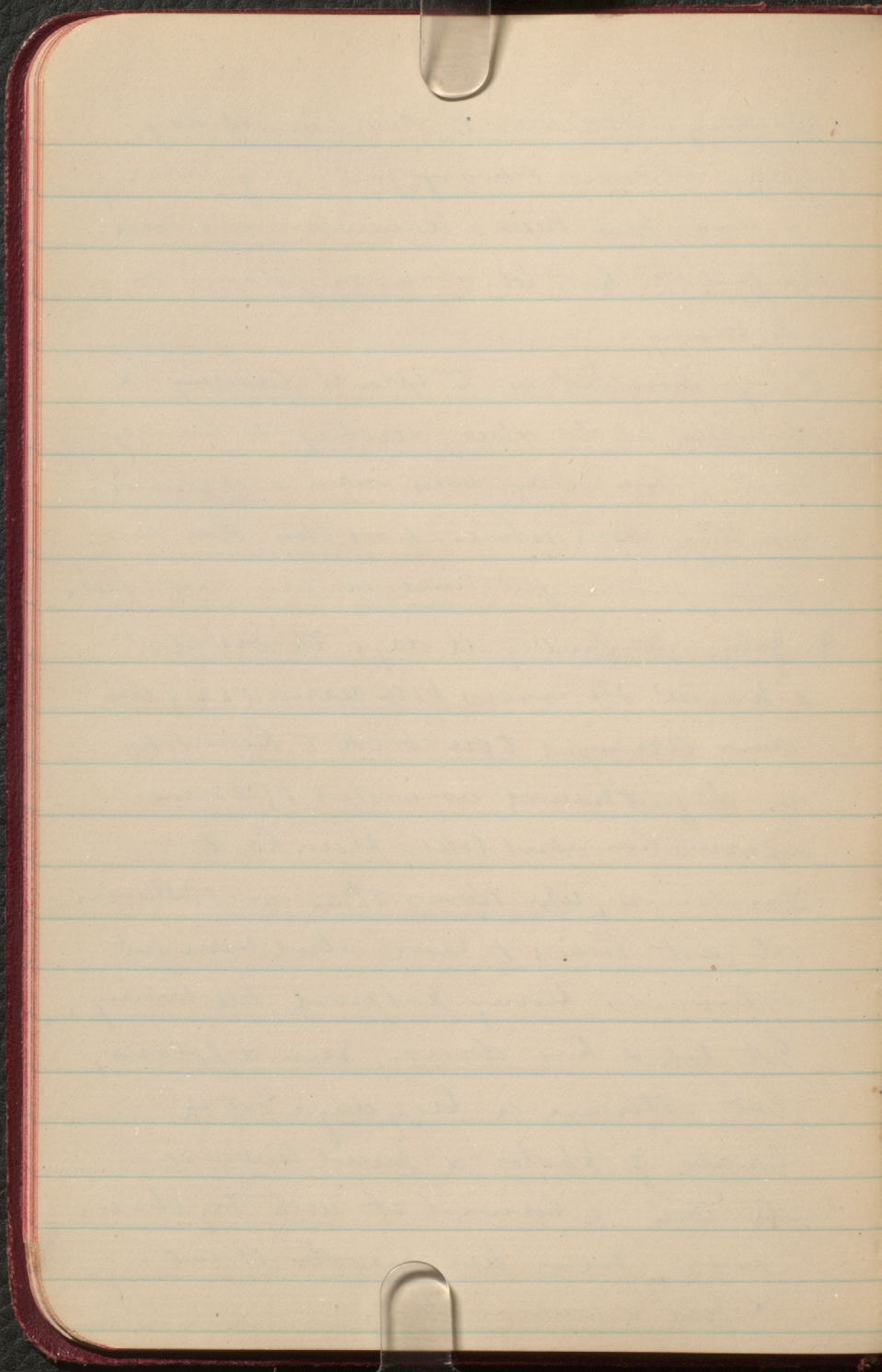
7 July, Showery early in am & about breakfast time began to rain steadily, continuing all am. Had intended staying at least till noon, as we have a spare day beyond time necessary to catch steamer at Sproats



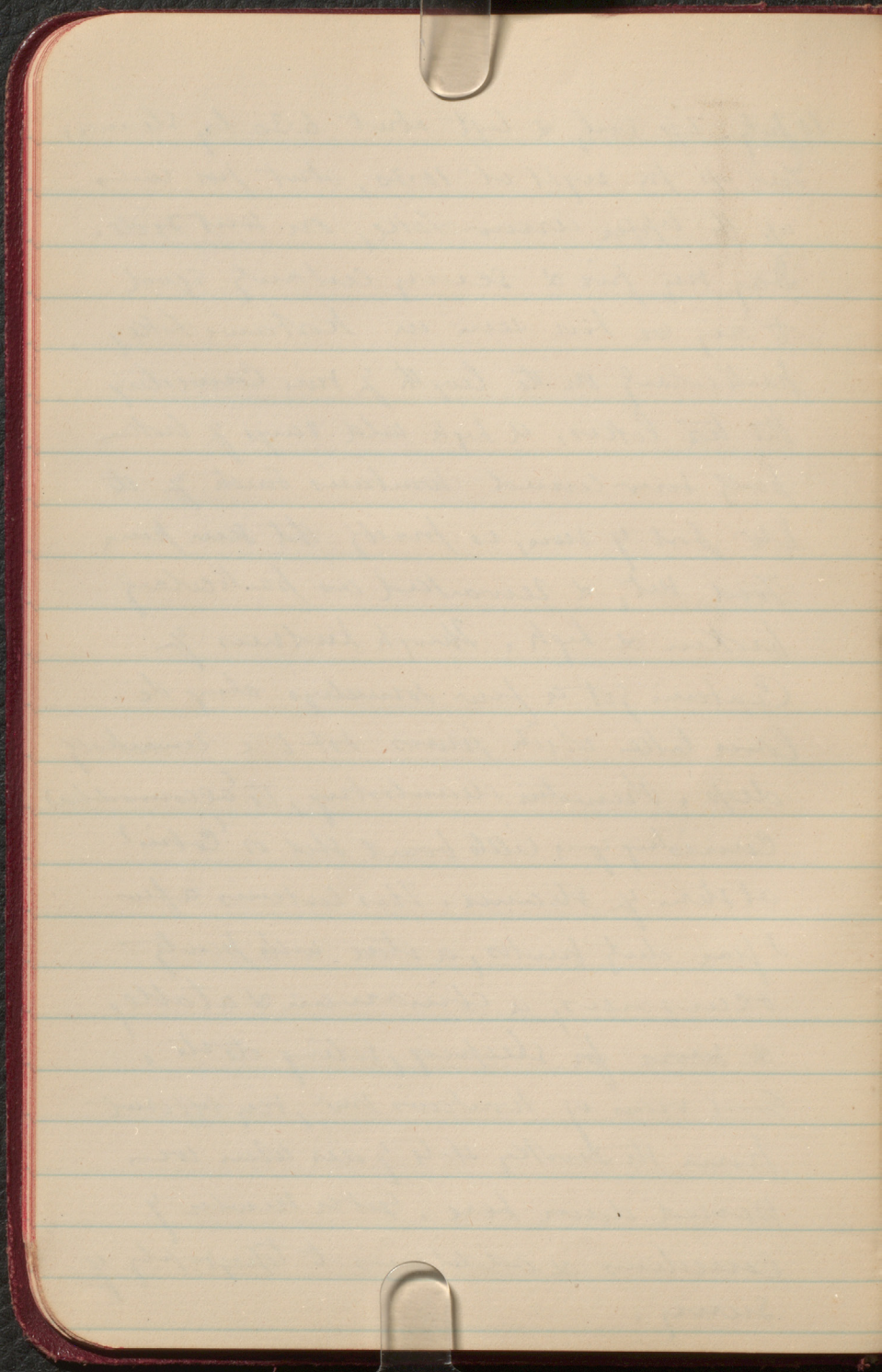
Landing. Decided to remain all day.
Rem. Got some views of fall & of cedar
& white pine trees. Examined rocks near
the fall etc. Got lot. obsn. on polaris in
the evening.

8 July. Traveled up to Sproots' Landing &
Camped at old place, reaching the Landing
about 3 P.M. Day rather warm & oppressive.
Got two obsn. between 4 & 5 P.M. Rain has
fallen several feet since we were last here.

9 July. At Landing all day. The 'Dispatch'
& 'Marion' Steamers both arrived early this
am. Arranged to go back to Revolutok
in the first named as wished to get some
information about lakes from Capt.
Sanderson, who knows them well. Steamer
at first timed to leave about noon but
afterwards being put forward till evening.
Got lot. & time obsn., Sun & polaris,
but otherwise a lazy day. Got a
couple of photos & paced traverse
to town to carved it with my obsn.
panel, near Mr Sproots Home,
a fine & warm day.



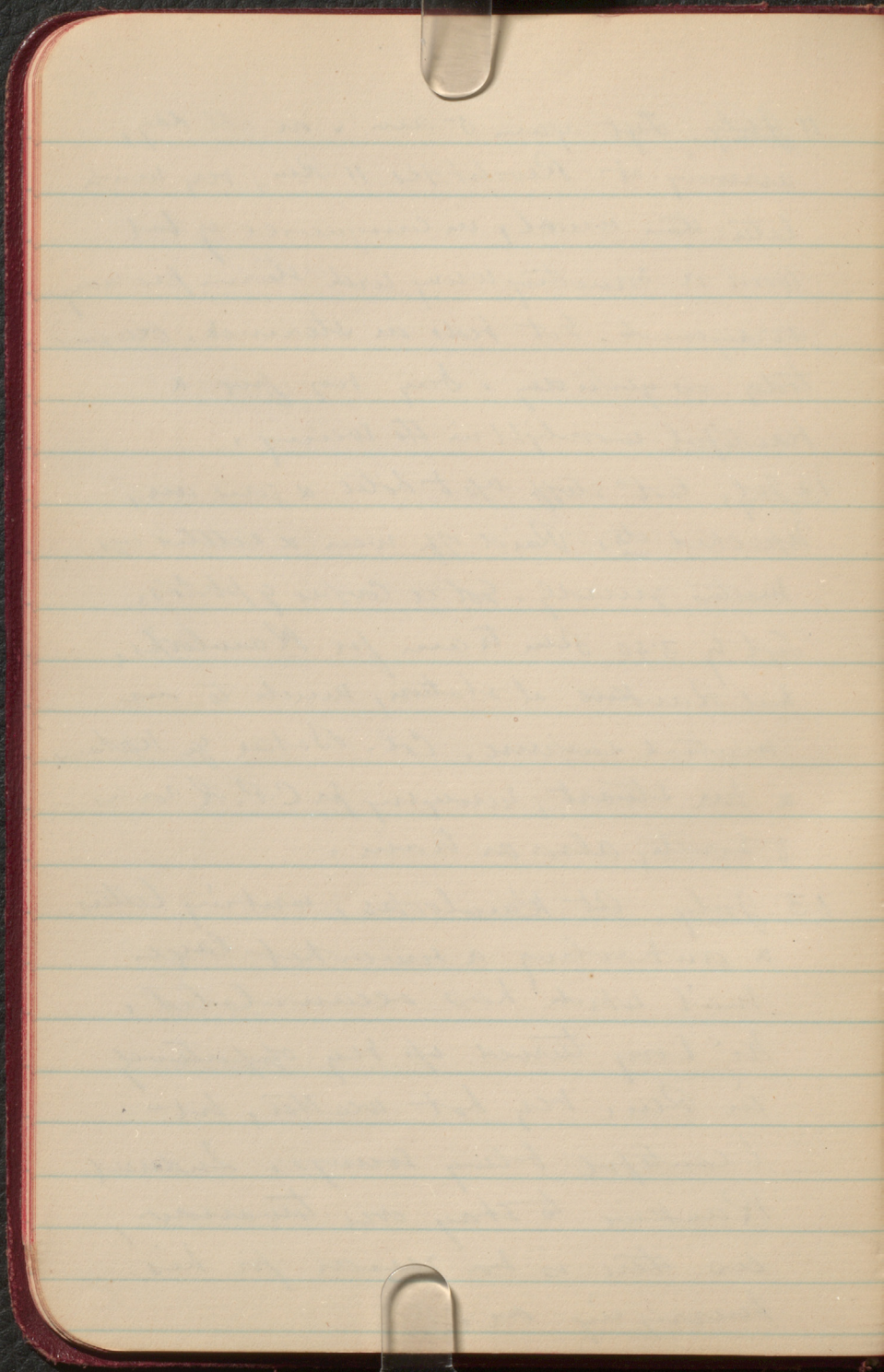
10 July. Up early & left about 6.30 by steamer.
Tied up for night at 10.30, about five miles
up the Upper Arrow Lake, on West Side.
Day very fine & scenery certainly equal
to any we have seen in Kootenai Lake,
particularly on the length of river connecting
the two lakes, a high wild range of broken
partly snow covered mountains south of the
SW part of river, is probably that seen from
Toad Mt., & remarked as particularly
broken & high. Through kindness of
Captain got a few soundings along the
Lower lake which proves not to be remarkably
deep. Primitive steamboating, the 'accommodations'
consisting of a little board shed or 'Cabin'
at stern of steamer. This contains a few
I fear dirty benches, a stove with party
accessories, a chairman & a table,
& seats for sleeping, sitting etc.
Good views of mountains low, very different
from the dusky state of air when we
passed down here. Got a number of
corrections & additions to topography of
survey.



11 July. Left again 5 am. & on all day,
arriving at Revelstoke 11 Pm., very much
later than usual, in consequence of bad
wood or something wrong with steam producing
arrangements. Got beds on steamer. Occupied
today as yesterday. Day very fine &
beautiful moonlight in the evening.

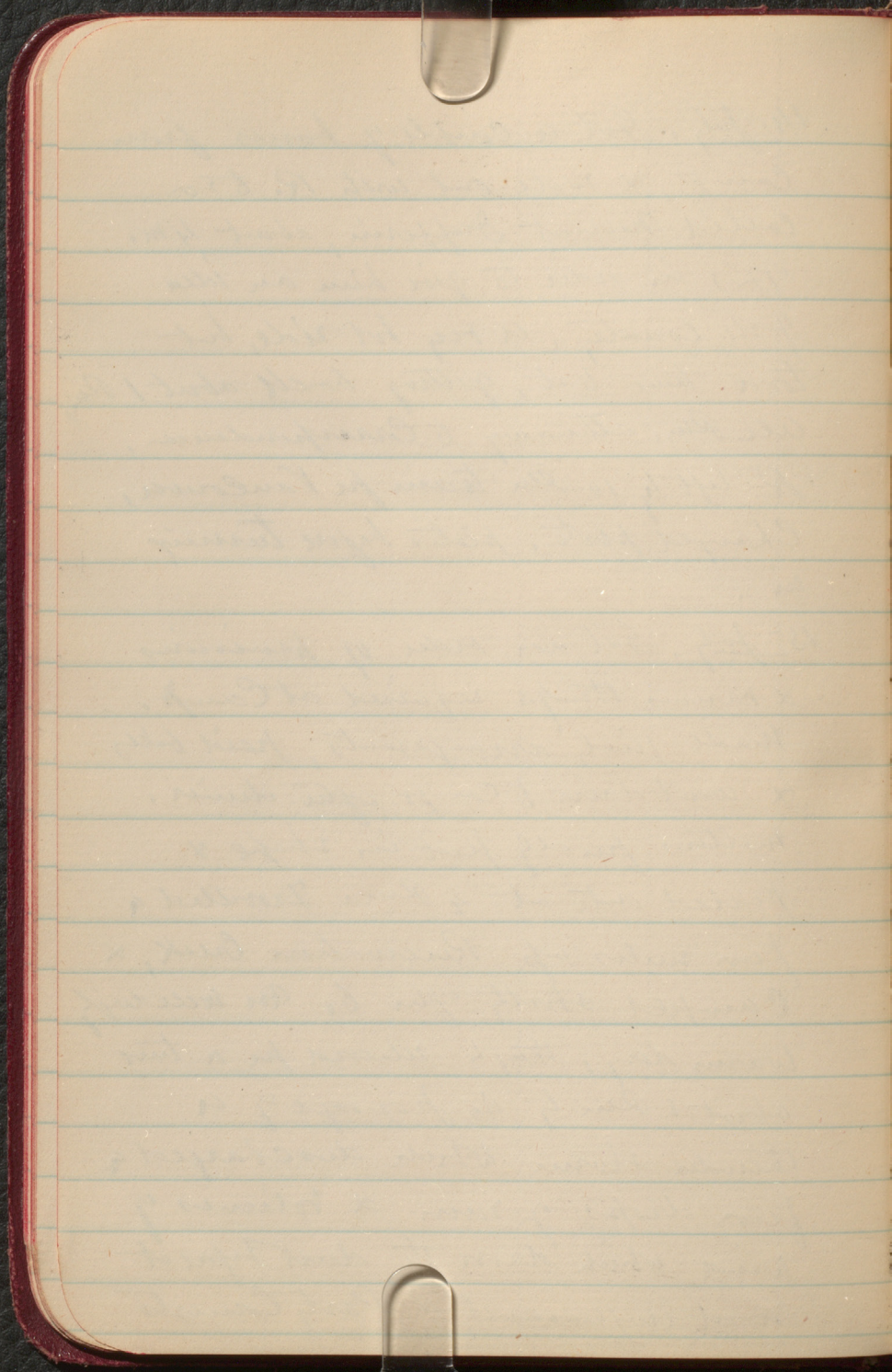
12 July. Got stuff up to hotel & some more,
Unpacked etc. Paid off men & settled up
matters generally. Got a couple of photos.
Left by 3:40 Pm train for Kamloops,
met Rankine at station, much to our
mutual surprise. Col. Baker of Kootanie
& Mr Stewart, surveying for C.P. R routes
to South, also on train.

13 July. At Kamloops, writing letters
& overhauling a sweetpot-lager
mail which has accumulated.
Mr Evey turned up by opportunity
in Pm. very hot weather, but
beautiful bolding sounds. Induced
Rankine to stay over tomorrow,
as there is no reason for his
hurry up or.



14. July. Got a couple of horses from
Camp, & rode out with R. to a
called Mount Dufferin, about 4 m.
off, in order to give him an idea
of the Country. A very hot ride, but
took time to it, getting back about 1 P.M.,
All P.M. attending to Correspondence.
R. left by 10 P.M. train for Vancouver.
Changed photo. plates before turning
in.

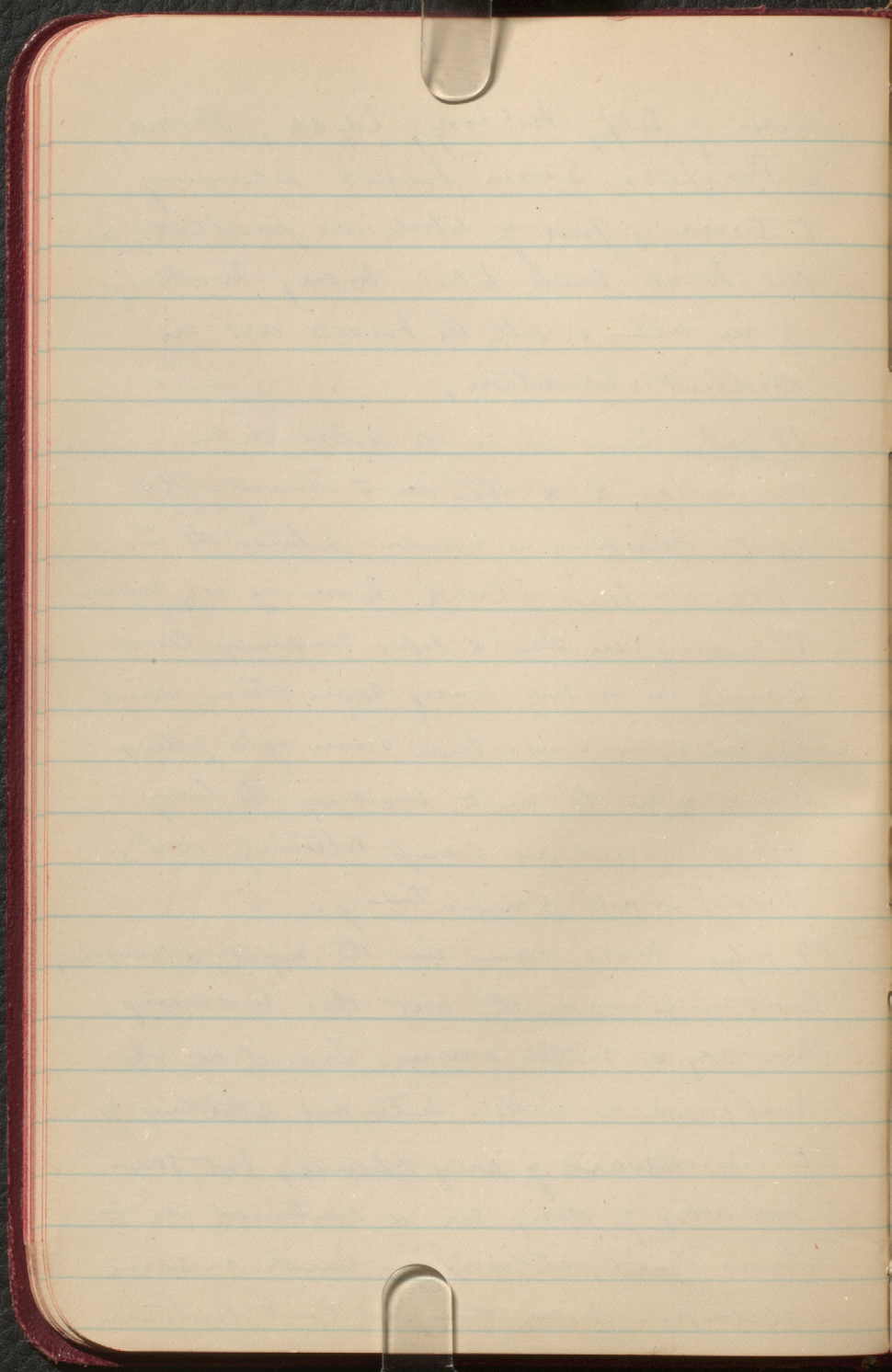
15. July. Got an order of provisions
& various things required at Camp.
Made final arrangements, paid bills
& went down to Camp after dinner.
Matters finally put in shape &
pulled out at 4 P.M. Traveled a
few miles up Reservation Creek, &
Camped shortly after 6. An exceedingly
warm day, though relieved for a time
about 8 P.M. by the passage of a
thunder storm which discharged a
few drops of rain & volumes of
wind which drove the dust before it
went unpleasantly. Party consists



now of self, Mc'Long, Edgar, Bona,
& Prosper. Seven horses belonging
to Surrey, four of which are packed, &
one horse each to the Wren, making
9 in all. All the horses are in
excellent condition.

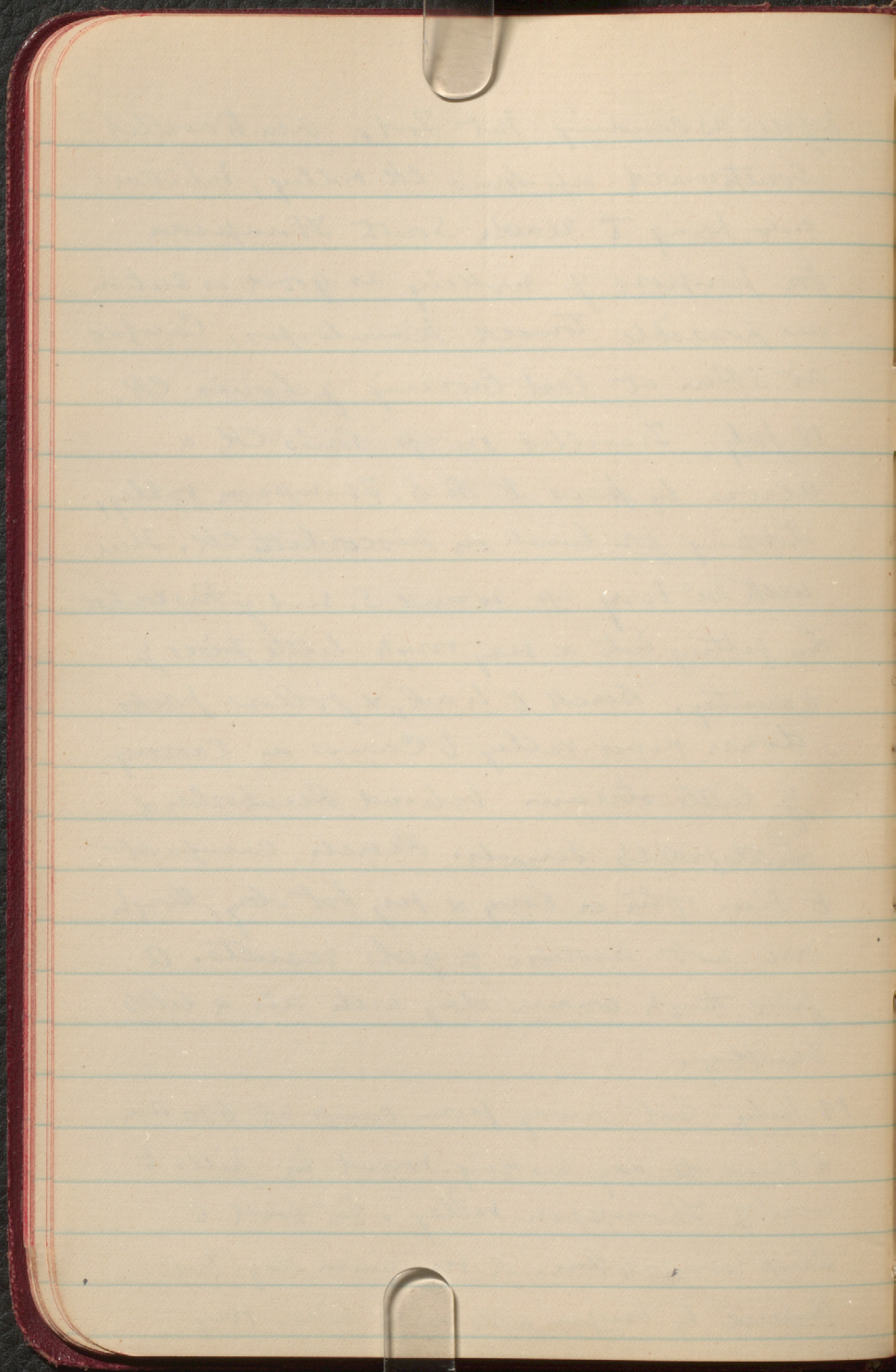
16 July. Travelled on up N. branch of
Reservation Cr. & then over to Edwards Cr &
up it. Camping in meadow between the two
lakes at head of creek. Morning very warm.
Clouding in P.M. & before reaching camp
caught in a very heavy rain storm, which
lasted some time. More rain after getting to
camp & in the night, making the long
grass round our camp extremely wet.
Made about 13 miles today.

17 July. More rain in the night, & everything
went unpleasantly wet this morning.
Fine day & rather warm. Travel on up
part Edwards Lake. Intended striking N.
to southward if any chance, but saw
no way of doing so & continued on to
Louis Creek, stopping for lunch on same
flat on which camped last Autumn.



before ascending Mt. Tod. Run travelled southward up Louis Ck valley, intention now being to reach South Thompson for purpose of making as good a section as possible toward Kawloops. Camped at 5 P.M. at last crossing of Louis Ck, 18 July. Travelled on up Louis Ck, & across by pass to the S. Thompson valley, stopping for lunch on Wisconsin Ck. Then with Mr. Long up round S. end of Wisconsin L., getting into a very rough little piece of country. Back to trail, & follow packs down river valley to Camp on crossing of little stream behind Reruberton & Littlefield's ranch. Reach camp at 6 P.M. after a long & very hot day, though one not prolific of geol. results. A fine though warm day with air a little smoky.

19 July. Get away from camp at 6:30 am & spend the day making round in hills to west of Thompson valley. Get back to camp about 4 P.M. a very warm day but tempered by breeze while on the hills. very



Sully & appressur in evening & what with
flies, wasps & other pests round tent very
annoying. Found a considerable area of Tert.
volcanic rocks today, but few and few known.

20 July. A warm close night & very oppressive
weather very hot day this am. Feeling a little 'rocky'
after yesterday's hot ride. Get away at 8 am
& after taking the road 2 1/2 m. south to Bull's,
turn up the hill & travel along on the mountains
parallel to the river. Decide to take this route
rather than that along the river as it seemed to
offer better chances for seeing rocks & not
disappointed in this. A very pretty partly wooded
country with many small swamps & pools &
fine feed. Magnificent views across the river &
out over the country over & then. Sent pack's ahead
after lunch & follow at leisure, examining
rocks. Had a little difficulty in the end in
finding camp & reached it at 6 P.m. weather
kept moderately cool & breezy & day turned
out by me seems unpleasant. Camp
pretty situated on valley which runs up
Thompson's at Harper's, with a fine outlook.

Bona tells me that the bluff rocky
point which comes out on river just
below hull's place, is named
sk-a-mā'-mink = big belly. Said to
represent a pregnant woman who was
turned to stone by Kul-ti-Ēh, the
Companion of Skel-ōp (see spelling of
last year.

Ind.

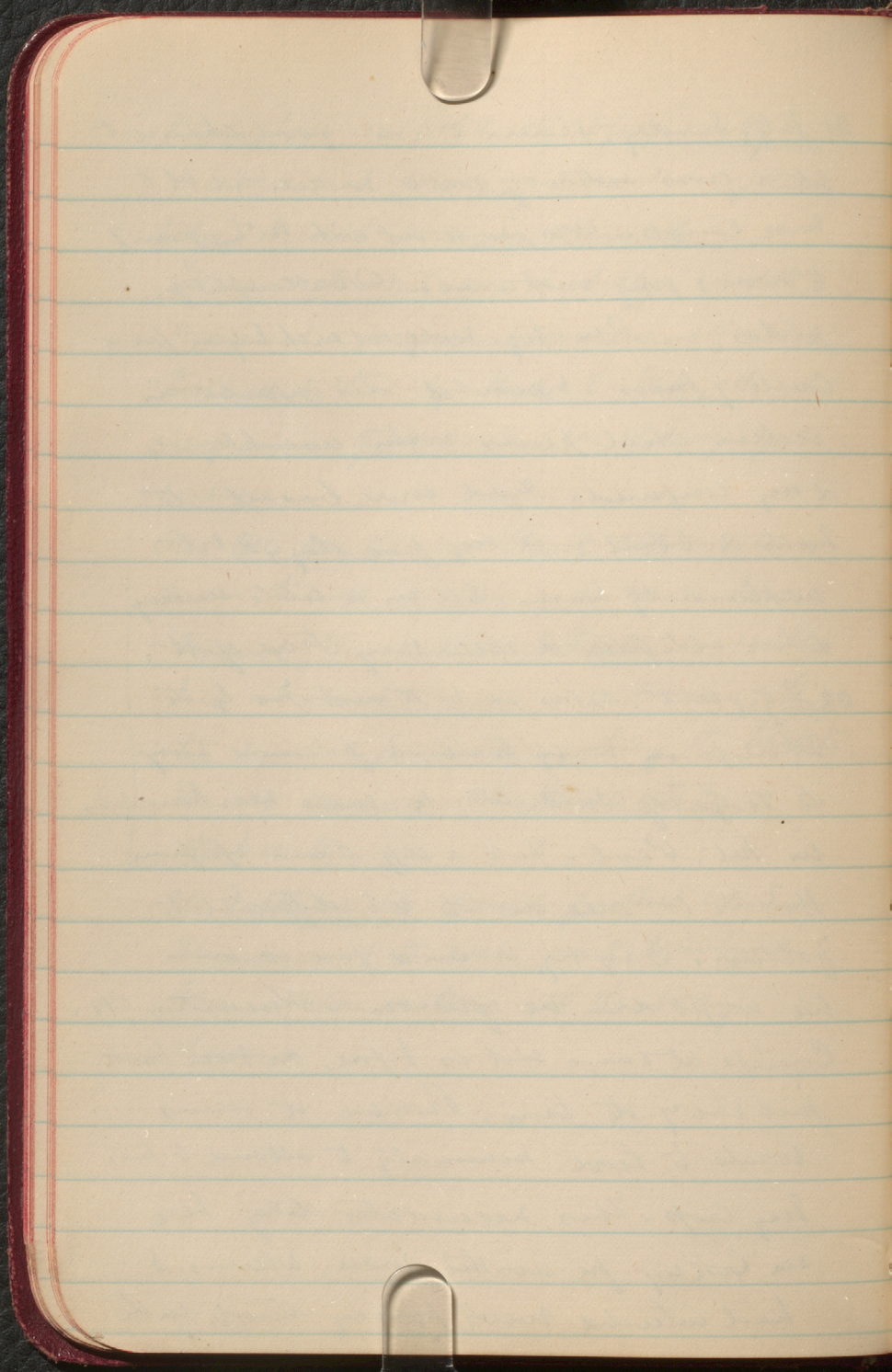
Also tells me that Mt Paul represents a
man turned to stone by the same hero
named tk-Kul-ti-kālet. The swollen
hill in front represents a woman, the
two marked prominences being the breasts.
This is named skuk-a-ā^m =
the breasts.

Rattle-
snake.

The Rattlesnake found furthest up S,
Thompson at the rock just westered,
Thence were a line all the way
down.

21 July. Sunday, seemed to be a good chance to
get a cross section of rocks, so decided not to
move camp. Am, rode out with M.E., from 7
to noon, going southward. Got a couple of
photos. in P.M. by. rode out with Logan for a
couple of hours. Somewhat disappoing in
section which proves rather unimpressive
& very confused. Found more basalt to
north & to east. a very fine day, & not
unpleasantly warm. Get in a little reading
& have altogether a rather easy time of it.

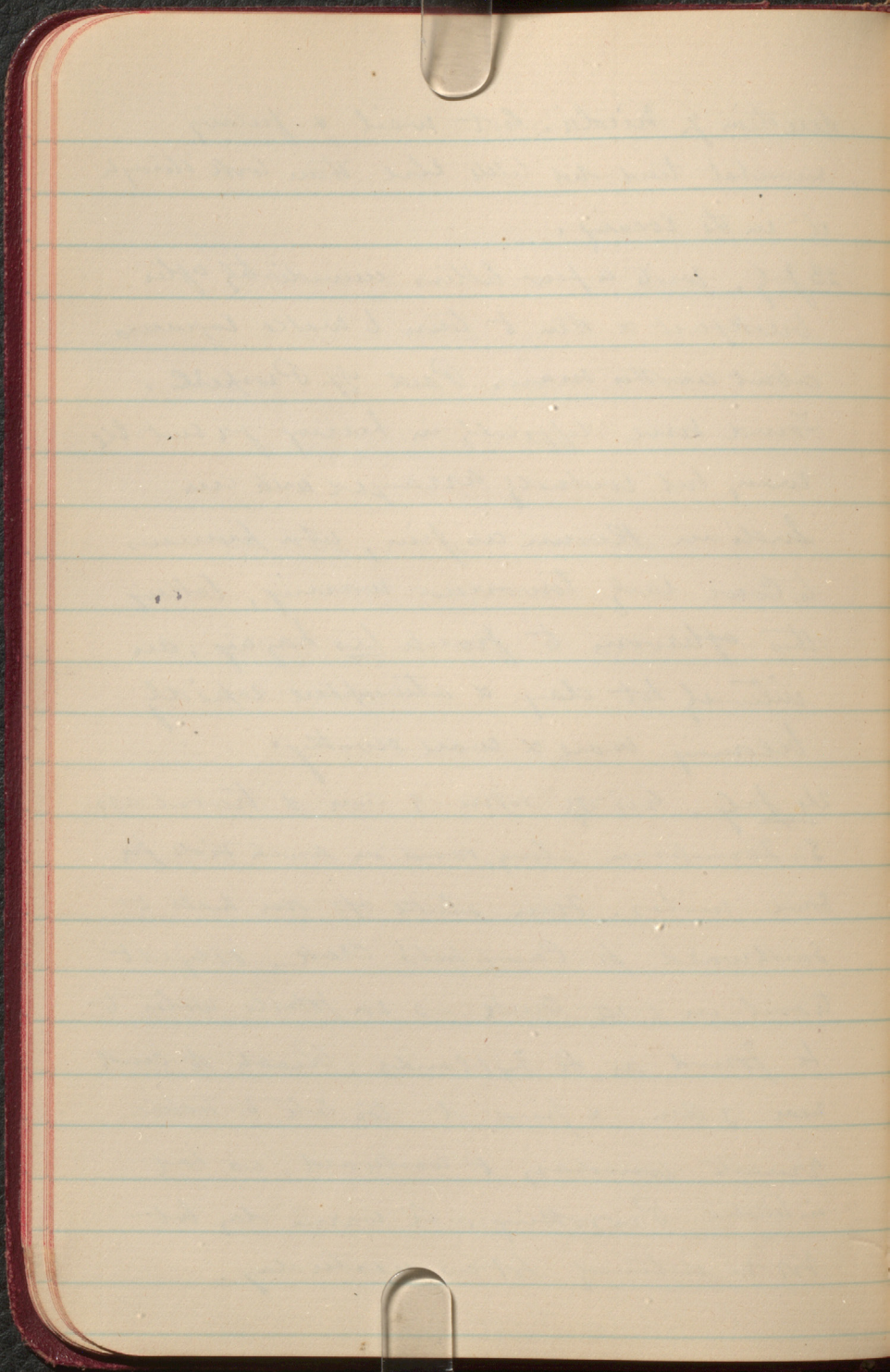
22 July. Sent packs on to Kamloops by the
Thompson Valley trail, & followed along
the ridge of mts. which ends near Kamloops
in Mt. Paul. Quite a stiff climb up from
Harper's but once on top not difficult to
follow. Day very warm & just in water
till we got down in afternoon to Renovation Cr.
Camp at same spot as before, on river bank
just below the town. Prosper it seems
wants to leave nominally to attend to his
Tray Crops. This necessitates delay here
in looking for another man, whereas I
had intended merely passing through in the



direction of Nicola. Got mail & feeling
somewhat tired did little else than look through
it in the evening.

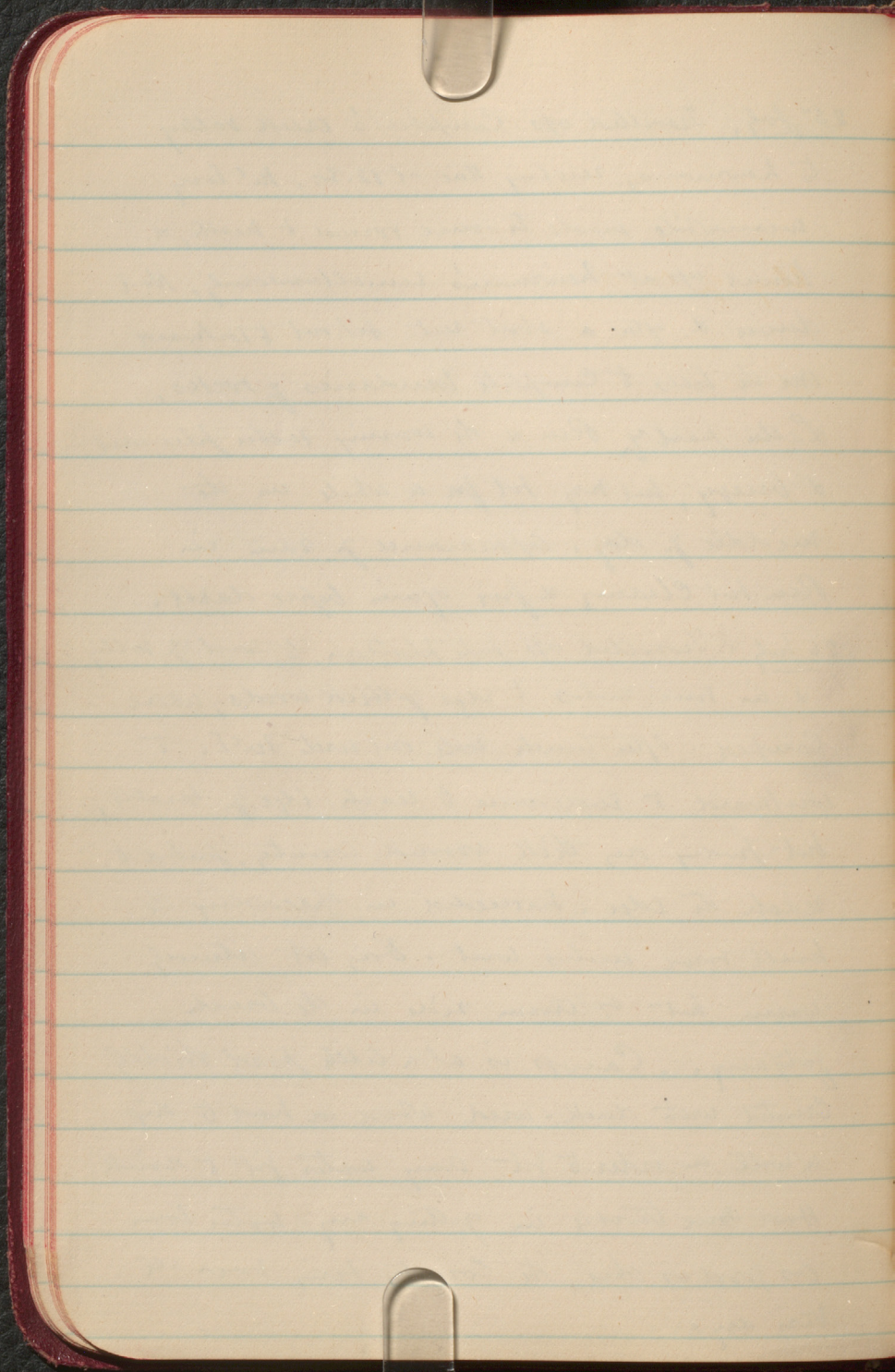
23 July. Wrote a few letters immediately after
breakfast & then to town to make enquiries
about another man. Paid off Prosper. .
Found some difficulty in hearing of suitable
man, but eventually arranged with an
Indian Raven as firm, who promises
to come early tomorrow morning, taking
this afternoon to finish his haying, an
intensely hot day & atmosphere rapidly
becoming more & more sweltering.

24 July. Got off before 9 am & travel up
S. Thompson along road on south side for
some miles. Then strike up over hills to
southward for Campbell's Creek. Obedient
travel on to the Creek as no potable water to
be found on the highlands. Reach the creek
near 3 P.M. & find it too late to tackle
granite boundary to westward, as had
intended. Provoking. A warm day but
not so intensely hot as yesterday.



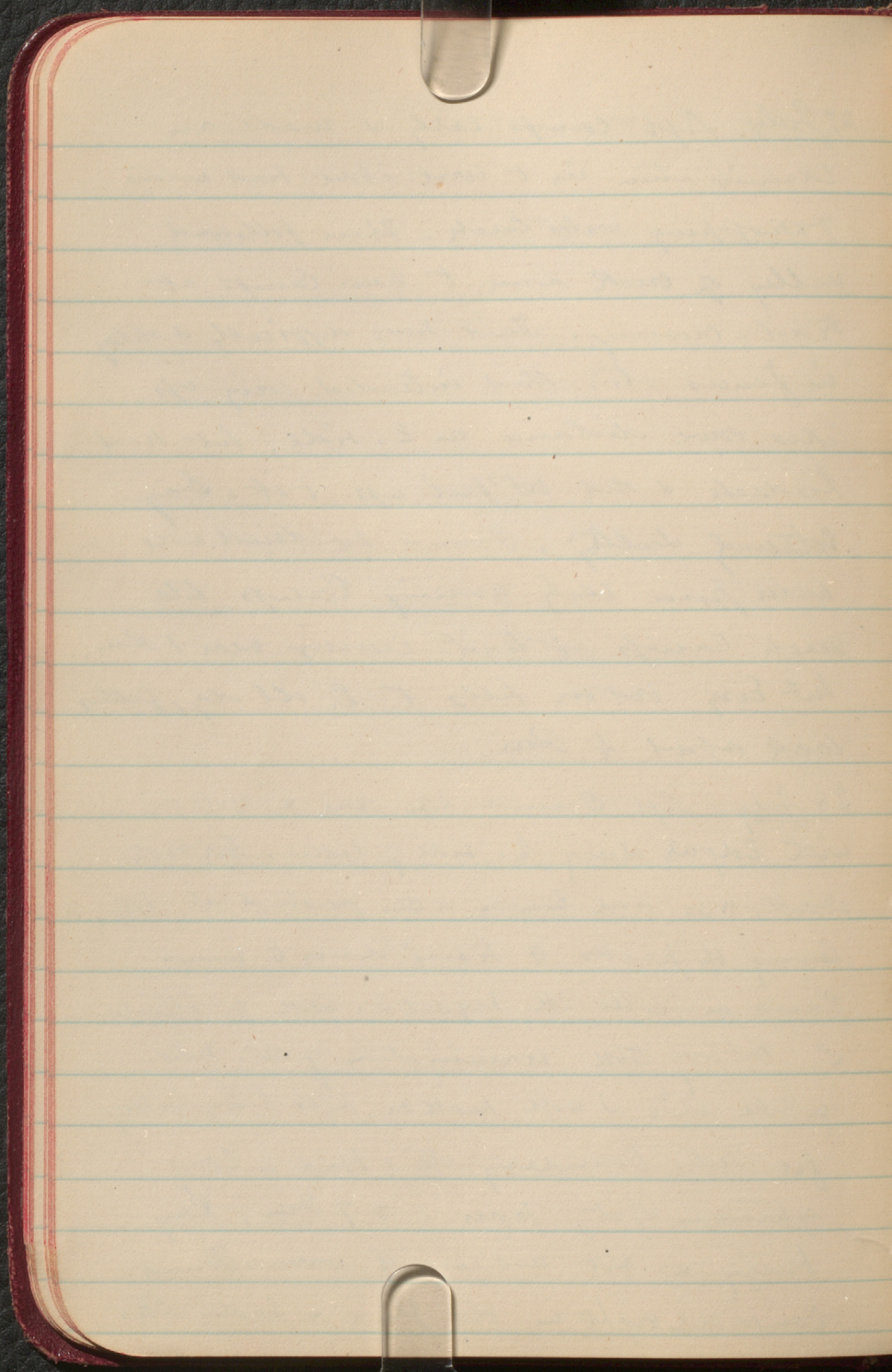
25 July. Travelled up Campbell's Creek valley to Newman's, reaching there at 12.30. McLoay meanwhile made to overre round to north, & turned up at Newman's simultaneously. Had dinner & after a short rest set out to sortward over the hills to complete boundaries of rocks. Latter party Ben & the morning rather pleasant & breezy, but very hot for a while in the middle of day. Appearance of rain in Ben-but clearing & fine again before dark.

26 July. Travelled up into plateau to west of valley & in some miles to edge of thick woods, where camped. After lunch rode out with McL. to westward to endeavor to reach edge of basalts, but finding very thick wooded country, failed to reach the edge. Succeeded in spreading the basalts some miles west. Day not extremely warm but afternoon ride in the brush fatiguing. Camp is at a little pond thickly fringed with duck-weed where we had to dig a well in order to get any water fit to drink. Had some trouble in getting any water here as good as this, the country being over all very dry.



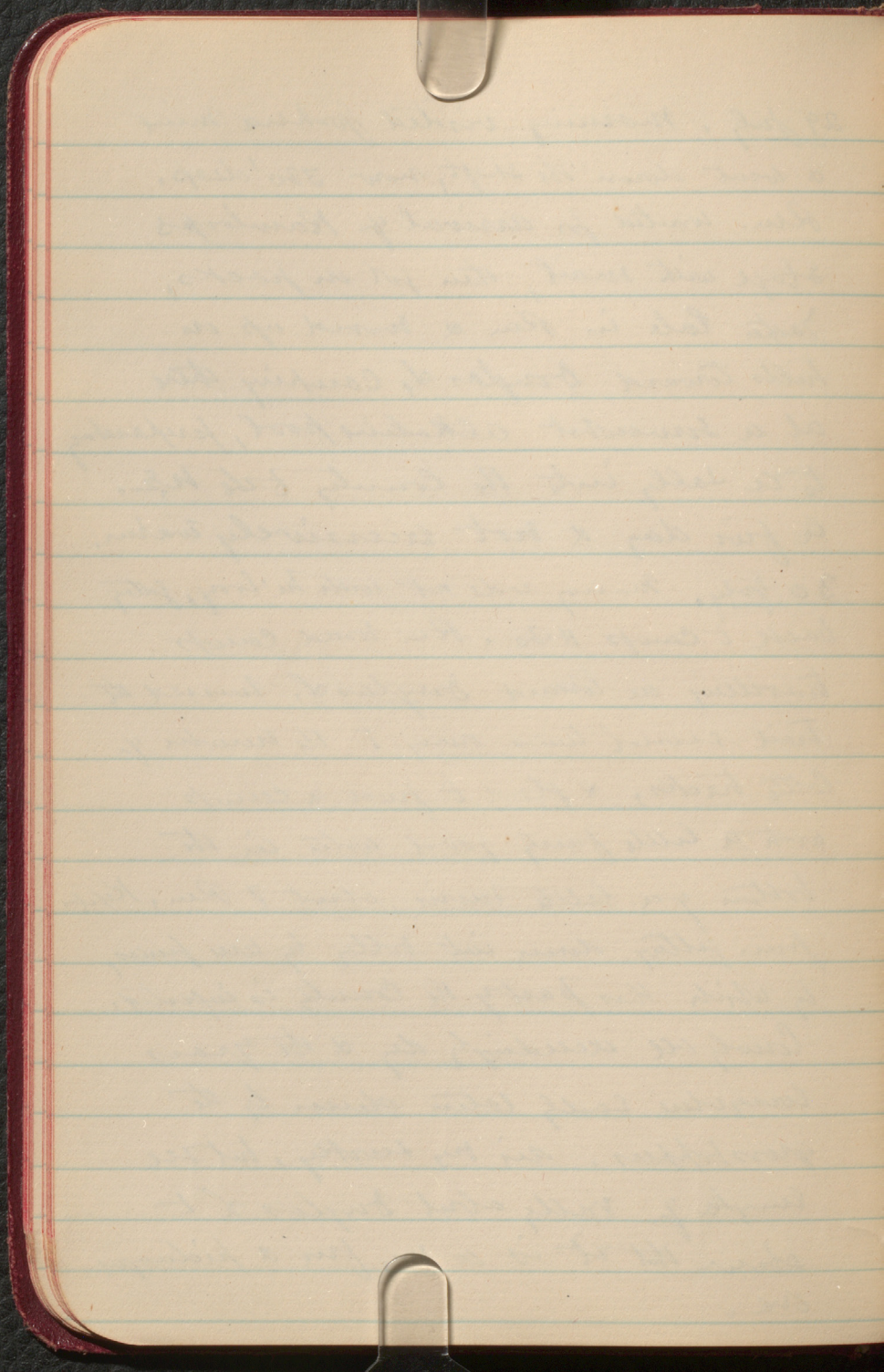
27 July. Left camp early & made an examination in to west about head waters of Dropping water creek. Then followed valley of creek down to new camp at trail-crossing. Found some difficulty & delay in fences etc. Had intended going up lakes same distance as E. side, but had headache & did not feel up to it. Day extremely sultry. Found no drinkable water from early morning camp till reach camp at trail-crossing near 1 P.M. We Ery out on hills to E. all day, getting back about 4 P.M.

28 July. Left camp 6.30 am & rode out with Edgar along E. side of lakes. Got back about 11.30. Had lunch & then packed up stuff, leaving the packs to travel down to new camp on Scott's ck, beyond S. end of Stumps. E. McEvoy took examination of W. side of lake while I rode back on hills to Ery looking for Test. boundary etc. Had a long afternoon fit, from 1 to 7 P.M. Day breezy & not unpleasantly warm. Found camp all right in old place on Scott's ck.



29 July. Morning visited Joshua mine
& went down the shaft, now 330' deep.
Rem. waited for arrival of Ramloops
stage with mail, then got on packs,
Dexter Cole in Rem & moved up on
hills toward Douglas L., camping there
at a somewhat alkaline pool, preparing
to a sally into the County to the N.E.
A fine day & not excessively warm.

30 July. Morning rode out with McCoy, getting
back to Camp 11:30. Rem. found Camp
travelling on toward Douglas L., missed the
Trail several times owing to the number of
Cattle tracks, & failed to find a camp
with a little fairly good water in the
bottom of a little ravine, about 7 Rem. Kept
from getting down into valley by wire fences,
by which this part of the County is inclosed.
Country all exceedingly dry & the grass
everywhere sadly eaten down by the
grasshoppers, and my swifkey, but see
evidence of valley about Douglas L. to
show that it is a very fine & picturesque
one.



31 July. Travelled down along Douglas L
& the Nicola valley. Nicl. working passed
Sunday while I examine rocks. Packer went
ahead, to stop for lunch somewhere, but
having gone off the road for water we
missed them & travelled on. Day by hot
& on ~~down~~ water to be had on the
road for a long way. Late in P.M. reached
a farm house which it turns out is that
of Guibon, formerly of Guibon Ck. He
kindly gave us some dinner, & after a
short rest we proceeded on down to
Nicola L, wanted time for packs &
camped. Air heavy with swells & very
sultry, but becoming pleasantly cool
after sundown.

1. Aug. Moved camp to Quilcherwa, a
few miles down the lake. Finding that a
boat could be obtained, decided to remain
for P.M. & examine north side of lake.

Got an early lunch & left about noon
getting back to camp about 5 P.M.

Quite a pleasant change getting out on
the water after so much land travel.

Cirques often referred to as rather
problematical & certainly somewhat
muzzling as to their origin. An incipient
Cirque in soft crumbling bedded material,
seen today (Aug. 8.) gives the following idea.
Hollow in any way formed near a
waterfall, where on through drainage,
becomes receptacle of silt from all sides
during rain or melting of snow. Water
issuing from one side, the hollow becomes
more a less of a half circle, open in front.
None of silt has great erosive power,
but when combined at bottom immediately
became powerful torrent which begins
practically at a point, not by gradual
accessions as in an ordinary
water-way. (Compare data as to
velocity & force of water to carry relatively
to volume, which it would seem must
increase in very rapid ratios). Result of
such action to begin a ravine at
point of convergence of silt & thence
to continue it forward. Head of
such a ravine would be quarried away
(see next p.)

Cirques

Day rather warm & as usual very
swoaky, wrote a ltr to home. Managed
to get a pith helmet here, which should
prove a comfort in this hot weather.

2 Aug. Got away from Camp 7 am., leaving
the packs to travel by road to lower end of
lake. Rode up 'McDonald's' Run', above
Quilchenna, revisited limestone exposure
there & managed to obtain a few fossils.
Climbed the mountain & followed the
ridge of hills to south of Nida Lake, for
the purpose of examining section there. Found the
going very rough & did not eventually get to
Camp till 5 P.M., after a somewhat fatiguing
day. Camped on Clapperton's Ck., just
above the village.

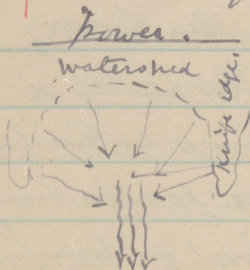
3 Aug. Left Camp, with McE., at 9.30 am &
occupied all day till 6.50 P.M. Crossing
the part of plateau between Clapperton's &
Gwibarus Creek. Eroy Camp on Gwibarus
Creek about two miles up, the packs being
gone round by road. 'Eroy' on mountain
fairly good, but find an extensive fire
& have some difficulty in setting traps

Ind.

Indians eat the root of Holsawashija
boasting it in same manner that
the root of the Lily root is eaten in holes
in ground. These holes, old Crater-
like depressions, common on hills
where Holsawashija grows.
also eat the root of Potentilla
americana, for said,
where the Syringa grows, used
to employ the leaves in same
way as soap, for washing.

Cirques

Cirques Cont.
at high altitudes by water & frost, the
debris constantly removed by the current
below. Evidence of the idea the sudden
instigation of a current of great carrying
power.



} point at which
current crosses &
transport begins.

ourselves from it. air thick with smoke
& ashes & trees falling very few
minutes in a rather dangerous way.
Day fairly cool & airy, but smoke so
dense everywhere that no view whatever,
which very annoying in respect to correctness
of topography which I had hoped to get.
Began to feel the weight of a Sunday's rest
& determine to stay in Camp here tomorrow,
4. Aug. Sunday. Remained in camp
all day, reading, writing a few letters
& loafing generally. Took time & solaris
obsns. for lot.

5. Aug. off early & rode back up valley of
Euclid Crk a couple of miles, then up over
mountain to N.E., looking for edge of Lertiary.
Got back to Camp 11:30 & got lot. obsn.
The boy got back about same time from
excursion on W. side of valley. Packed up &
got lunch & while packs were being put on
rode a mile up along creek looking for
reputed coal, but unsuccessfully. Then travelled
with packs down Nicola valley, forded
the river & camped a short distance below

Local.

^{Schamushya}
{ Tsät-tailk' ^{Large lily, the root of}
which wanted & eaten. Kawloops language
Sên-ël-Kem. Thompson language

Skä-älp, Douglas fir. Thompson
" Kawloops

Sä-at-kwlp (ubushud) P. proserna. Same
in both dialects.

Töh-tökin' Large lily root yubiok
wanted & eaten. Same in both languages.

Sî-is'-ti-Kin Thompson
Kais-is'-ti-Kin Kawloops) Keshureg Home.

Isoo-tä'-luk huchelerris. Thompson)

(in future) wî-nah " Kawloops)

{ Simin-min-höoh-a-look Tobacco same name
for Old Indian tobacco. Kawloops

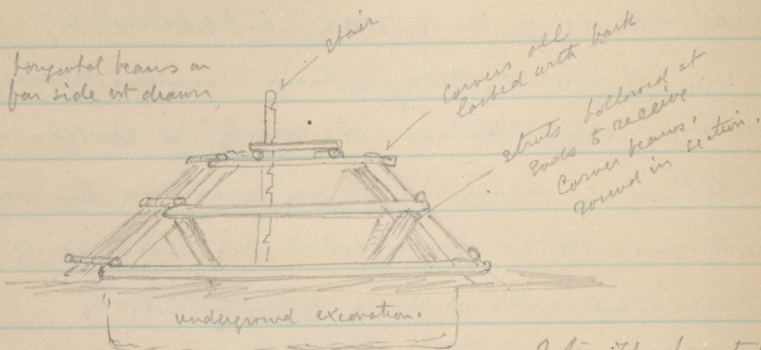
Skuk-kwai'-äl-uh. Thompson

{ Tsē-ha-nulp' Epilobium. (Kawloops) pith eaten
when young.

Ushā-kät (Thompson)

mouth of Spiroos Ch. Inquiry for 'Captain
Pony' guide of last year, but ultimately
learn that he is away. Find another man,
however, who knows the country & makes a
conditional promise to go with us tomorrow
afternoon. He is invalided in consequence
of an encounter with a grizzly which
partly chewed up his left arm. Country all
dry & a little feed for animals, being
quite cold & windy, with appearance of
rain, but all calm & serene again this
evening & on abatement of swelter, previous.

6. Aug. Rode out in am, with the boys,
save miles down Nicola & up to above valley
looking for edge of Tertiary. Returned to
Camp 12.15. Got away 2 Pm & travelled
about five miles southward under guidance
of ^(sumamed Petrus) Ta-kut-a-kolepin, working for high mountains
at heads of ^{Nicola} Nicola & Prospect Ch.,
Camp above some good feed, which quite
a treat for horses after their late semi-
starvation in the dry bare lower valleys,
Day fine & not unpleasantly warm,



horizontal beams on far side not drawn

chair

Corners all locked with bark

ends & receive

Corners beams round in section.

underground excavation.

slanting boards laid on outside & earth added

slanting beams, as shown in the logs near a elevation. The horizontal beams were placed on top, should also continue slopes of

Sketch of the Kwally home on Nicola R. 6 Aug. 89. Several at this place which evidently inhabited last winter.

The black hair-like lichen, found abundantly in these high woods, is it appears eaten by these Indians as well as of that of north. Gathered by the women, freed from twigs etc. washed in water. Then placed between coverings of leaves, branches etc in a hole in the ground. a fire kindled above & roasting continued for a night. It is thus compressed into flat dark mass

7 Aug. Travelled upward, climbing first to

slay

ers

5300'

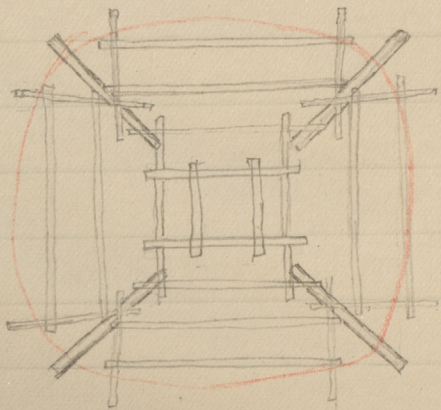
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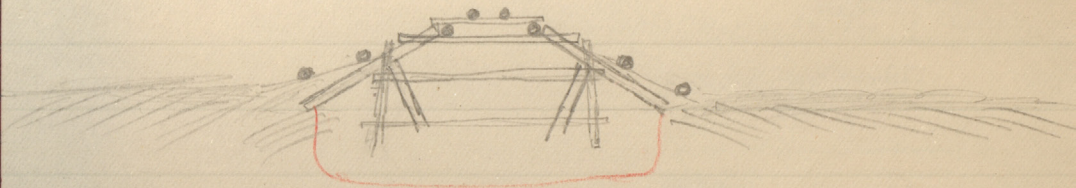
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Decorations outlined in
red.



Plan & elevation of frame of
Kikuvuq house, Nicola R. B. Aug. 89

7 Aug. Travelled hupward, climbing first to
considerable elevation, & then keeping along
the ridge between Prospect Crk head waters
& Nicola at about 5000'. Camped at 5300'
in pretty little mountain meadow with
a little silt which the prevailing dry weather
has not yet dried out. Made rather a
short day on crooked & hilly trail, being
brought to a stop finally by dictum of
guide that no more water for a long
way ahead. Day pleasantly cool & much
of time clouded. See plenty of deer & bear
tracks, but get nothing but a few
grouse.

resembling tobacco & is eaten in
hot spots. Said to be 'very sweet' &
may be gathered at any season.

Wi-ukh Kambojs (Shuswap) name
Wi-ukh Thompson language

Is-tai'-Kuk (whispered) Cone of *Pinus*
albicaulis, wanted & seeds eaten. (above
name the seed only. Is-tahi-ka-kin'
(said rapidly))

Is-tahi-'Kalp' the tree itself. all these
in Shuswap language. After roasting the
outer scales glume come off easily like
scales of artichoke. When roasted &
beaten out, dried & mixed with berries,
said to be very good.

Ko-Kwil-'Et' = *pinus Murrayana* in
Shuswap. Ste-o-'Kwulk' the Cambrian
layer, eaten when the new leaves are
growing. This is also dried & eaten.

Ml-'Enlp'. *Picea subalpina*. The Cambrian
layer of this also eaten, also that of Cottonwood
& other trees at proper season.

Heracleum lanatum Hā-ko Thompson

(guthrie) Hoh-'talp Shuswap. Leaf stalk eaten when
young & not too stringy.

8 Aug
Traveled westward along high partly open
ridges & camped at noon at base of
La-Kwas'-ki, at elevation of about 6100'
The top of the mountain being 450' higher. Got
a lot. obs. & a couple of photos, & in
P.M. climbed to summit & spent time
taking in the view, which should be a very
fine one but for the smoke, while McEvoy
made some topographical sketches. Camped
in a very pretty mountain meadow.
Bama, who has been out hunting all P.M.,
Came back about dark & reported having
killed a deer.

9 Aug. Had arranged that McEvoy should occupy
the summit of the Mountain with transit
today while I was to ride out westward
with Peter in search of granite boundary
etc. Morning so smoky, however, that transit
work impossible so both went up in
westward direction. Got same distance
& reached Summit of another mountain
from which a moderately good near view
would have gone further, but the smokes
appeared to render this useless & the

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a little lake, peculiarly situated, on the summit of a mountain, about 1.5-m. South of Za-Kwas-Ki, is the object of a superstition among the Indians. Said to be inhabited by little dark coloured lizards, a few inches long. Should a man see there or one of them & go home, it follows his tracks & coming upon him when asleep enters his body, where it soon eats out his heart & the man dies.

The yellow lichen found abundantly on trees at 3000' & over (? name) formerly used by Indians as dye stuff. Boiled in water & used to dye hair, cloth etc. under name of ta-Kwul-a-muk'-oo, no other dye known to my informant.

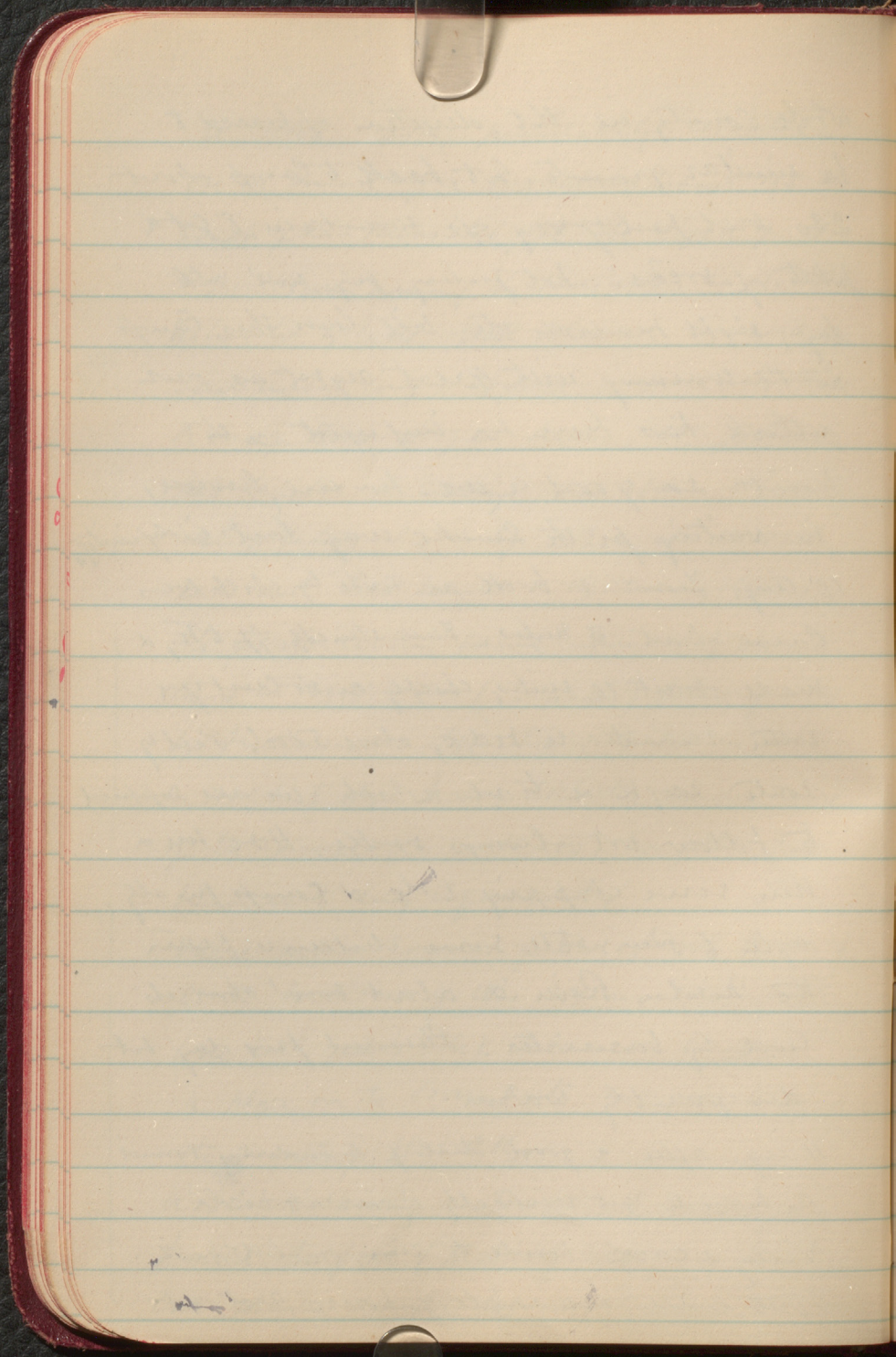
Three main sources of red paint known to the Indians of this region, Adams & (see last year's note) Sulaween bluff, & a place on the Bona parte not far above the mouth of Hat CR.

a black shining material also used to paint the face (probably micaceous iron) but whence derived informant does not know

whole country in that direction appeared to be similar granite. Got back to Camp about 2:30 went part way up mountain to get a photo. of rocks. Not feeling very well all day, slight headache etc. Will leave this Camp in the morning with great regret as our outlook has been so imperfect at the point so good a one. No use, however, in waiting for the Swoke way lost indefinitely.

10 Aug. Traveled back on route by which we came about 3 miles. Then struck off to N, & made about 10 miles, chiefly on the Crest of a rather remarkable ridge, above 5000'. Part of route rough & trail which we are supposed to follow not always visible. Have tea & there some chopping to do & Camp finally after 8 P.m. still some distance from the Nicola River & about 2000' above its level by barometer. Pleasant first day but disagreeably warm.

11 Aug. after a good deal of wandering round on hillside, get eventually down into Nicola Valley & camp beside the river, on left bank. After lunch & a couple of hours rest, set



out with McEvoy at 12.45 going first a
couple of miles up the river, then same distance
up a tributary stream from the N.E. Get back
to Camp at 8 P.M., after a pretty long &
very hot day.

12 Aug. Examined rocks down the river on
left bank, meeting rocks at mouth of
Skuk-um Creek & travelling up the Creek
a couple of miles, then turning off & continuing
north under Petrus' guidance, Camp at
6 P.M. at head of lower lake of Po-man-us
Creek. Day pleasant, not very warm.

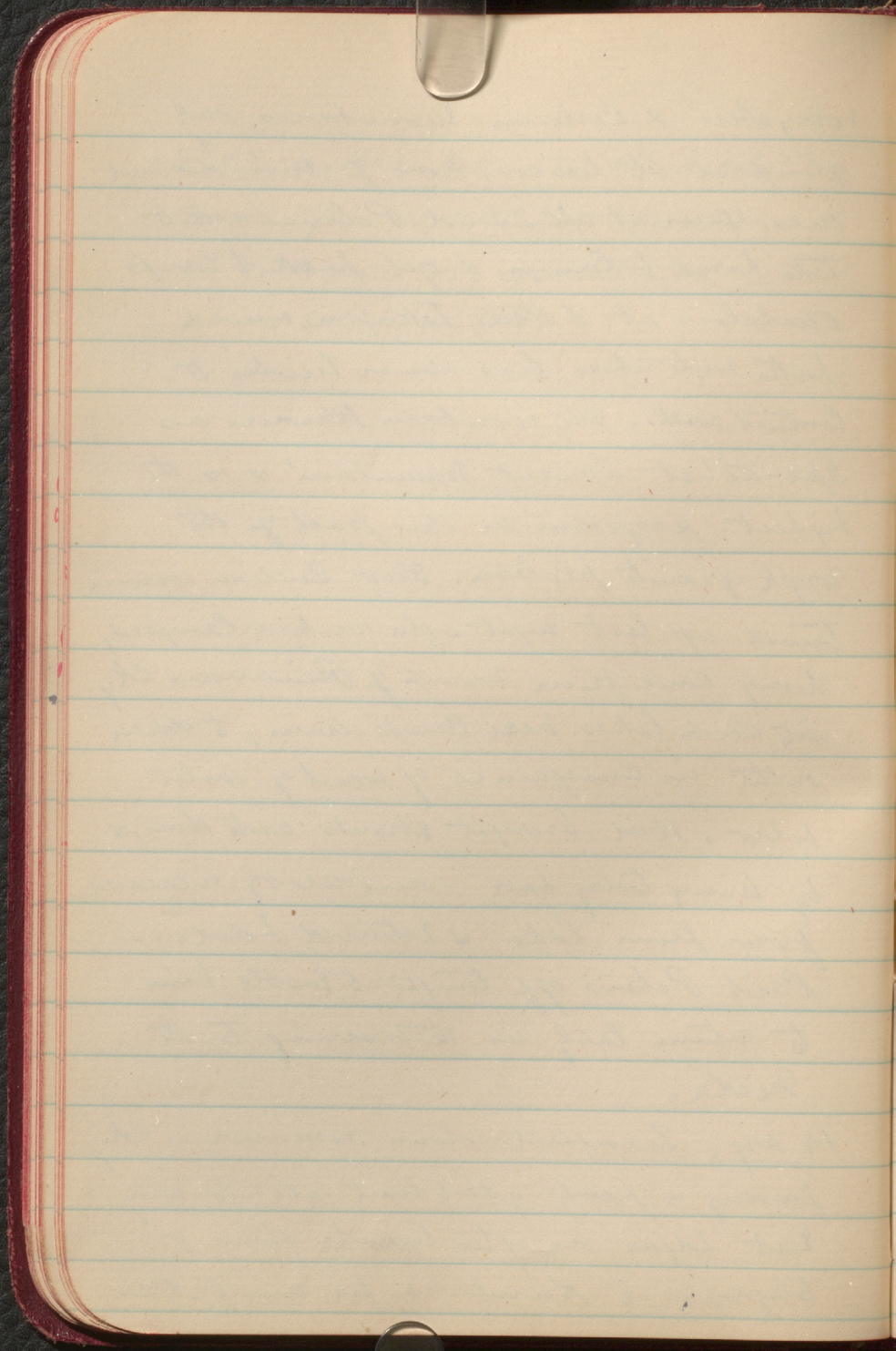
Smoke cleared away a little in P.M., but
many fires roared in all directions, most
apparently purposely set by Indians to
clear up windfall etc. Lake let. about 10.20

13 Aug. Set out after breakfast with Petrus
& McEvoy for summit of Mt about 3 m
distant & 1000 above camp. Try to take
horns along, but after waiting some time among
fallen sticks & dense growth, tie the horse to
a tree & continue on foot. Spend most of
day on mountains getting a fair idea
& sketch of country, though forest fires

Rattlesnakes found on the Nicola
river as far as the Creek up which
we rode on 11 Aug, or about 5 m.
above Skuh-un CK.

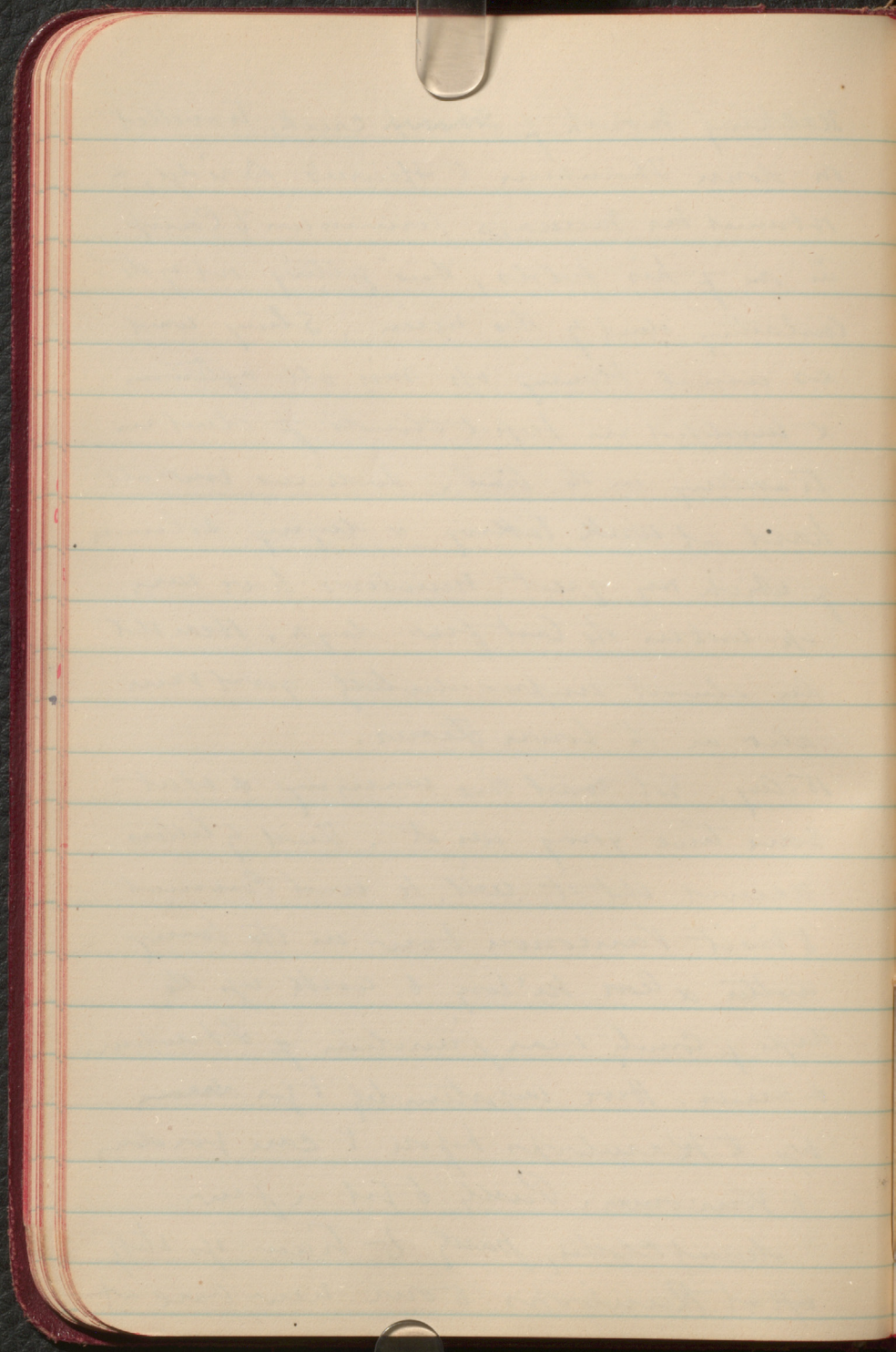
everywhere & certain mountains only
glimpsed at times, none of more distant
ones seen at all. Sent Petrus back to
take horse to Camp & get back to Camp
ourselves at 6 P.M., taking a new &
better route where less dense timber to
contend with. The mountain known as
Spa-ai'-st = 'burnt Mountain' & is the
highest projection in this part of the
rough granite plateau. Two Indian women
turned up last night after we had camped,
having come from mouth of Pimavous Chk,
into which lake near Camp drains, to open
outlet in consequence of want of water
below. Had brought stones with them, &
by being today had considerably increased
flow from lake & returned home.
Paid Petrus off tonight to enable him
to return early in the morning to the
Moola.

14 Aug. Travelled down Pimavous Chk,
finding a fairly good trail all the way.
Sent Edgar on after lunch stop to
telegraph to Kamloops for mail. on



Reaching mouth of ~~Shan~~ creek, travelled
on down Thompson to Spencer's Bridge, &
obtained Mr Murray's permission to Camp
in one of his fields, thus getting out of the
constant dust of this region. Strong wind
as usual blowing up river all afternoon
& enveloped in perfect clouds of dust in
travelling on the trail. Indications now all
hard at work taking & drying. Soliman
of which my great numbers have run
up within the last few days. Hear that
an almost unprecedentedly good year
also on the lower Fraser.

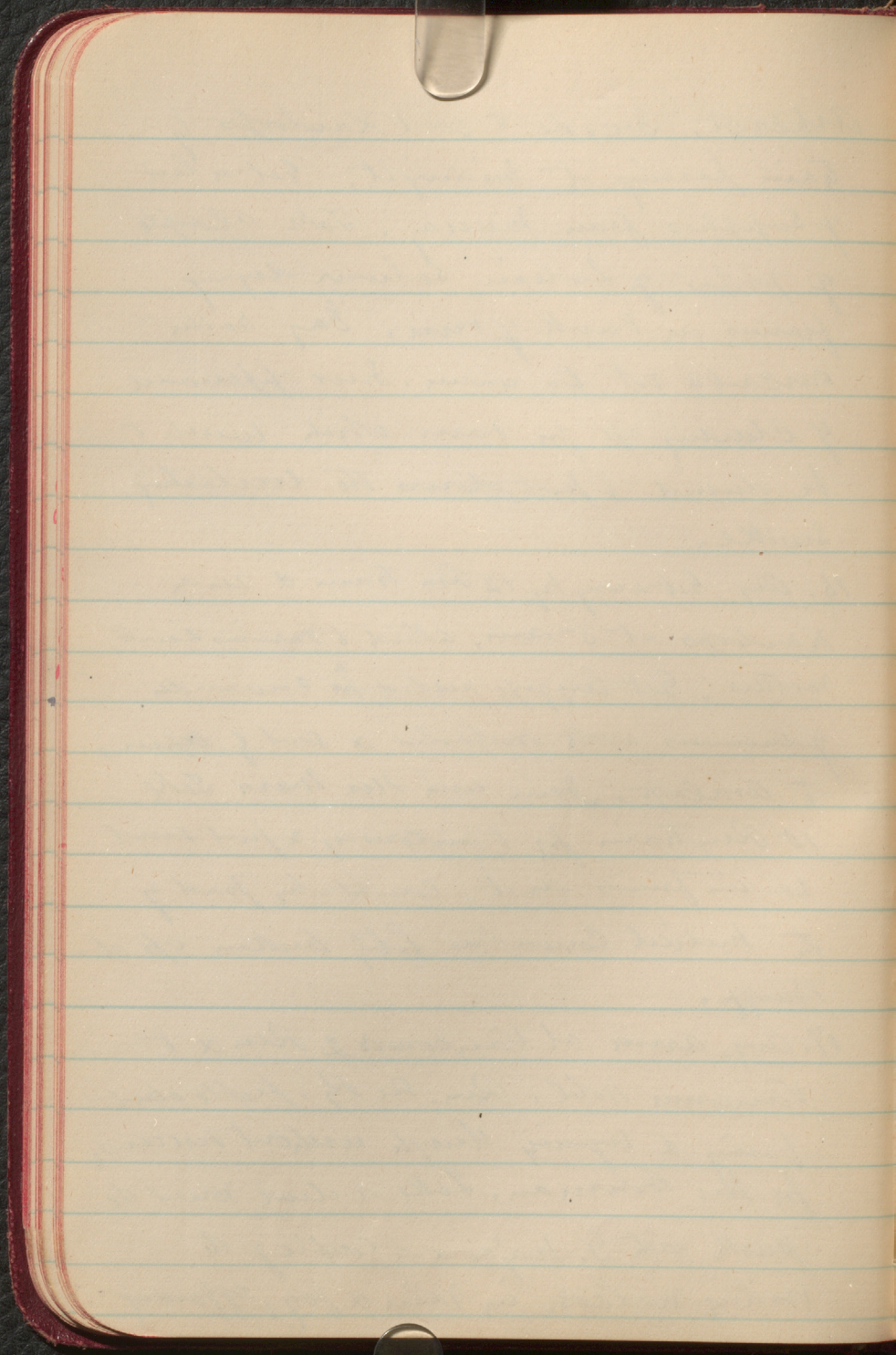
15. Aug. Got mail this morning & spent
some time going over it. Found 4 letters
received that it will be well to consent
to visit Vancouver now on the coming
winter & leave Mr Long to work up the
angle of County near junction of Thompson
& Fraser. Have unfortunately to get down
up to Kamloops before I can go down
to Vancouver. Partly to get a few
decent clothes, partly to transfer my stuff
up at Kamloops to our new base at



Ashecroft, decide to go to Kamloops by train leaving at midnight. Get a list of supplies from Murrey. Take a couple of photos of Lochain Salmon drying frames in bank of river. Day rather overcast not too warm. Save appearance of cleaning up for train which much to be done to put down the everlasting smoke.

16. Aug. Get away by 12 P.m. train & reach Kamloops at 5 a.m., attend to various small matters. Get luggage needed for remainder of summer work overhauled & sent by express to Ashecroft. Dinner with Mrs. Warr. Take 10 P.m. train for Vancouver, & find several Eastern friends on it, cannot attend part of the Medical Convention being broken up at Banff.

17. Aug. arrive at Vancouver 2 P.m. & to Vancouver Hotel. Run. See R. people about buying & buying through without success for Mrs. Bourman. Take a drive round the park with G. Wajar & a couple of the visiting medicos. in rain & fog, offhand



little chance of seeing anything. ^{Ray} See
Davis, in charge of boys & others. Run
all wet & meant but trust that
the rain will be sufficient to put down
the swine.

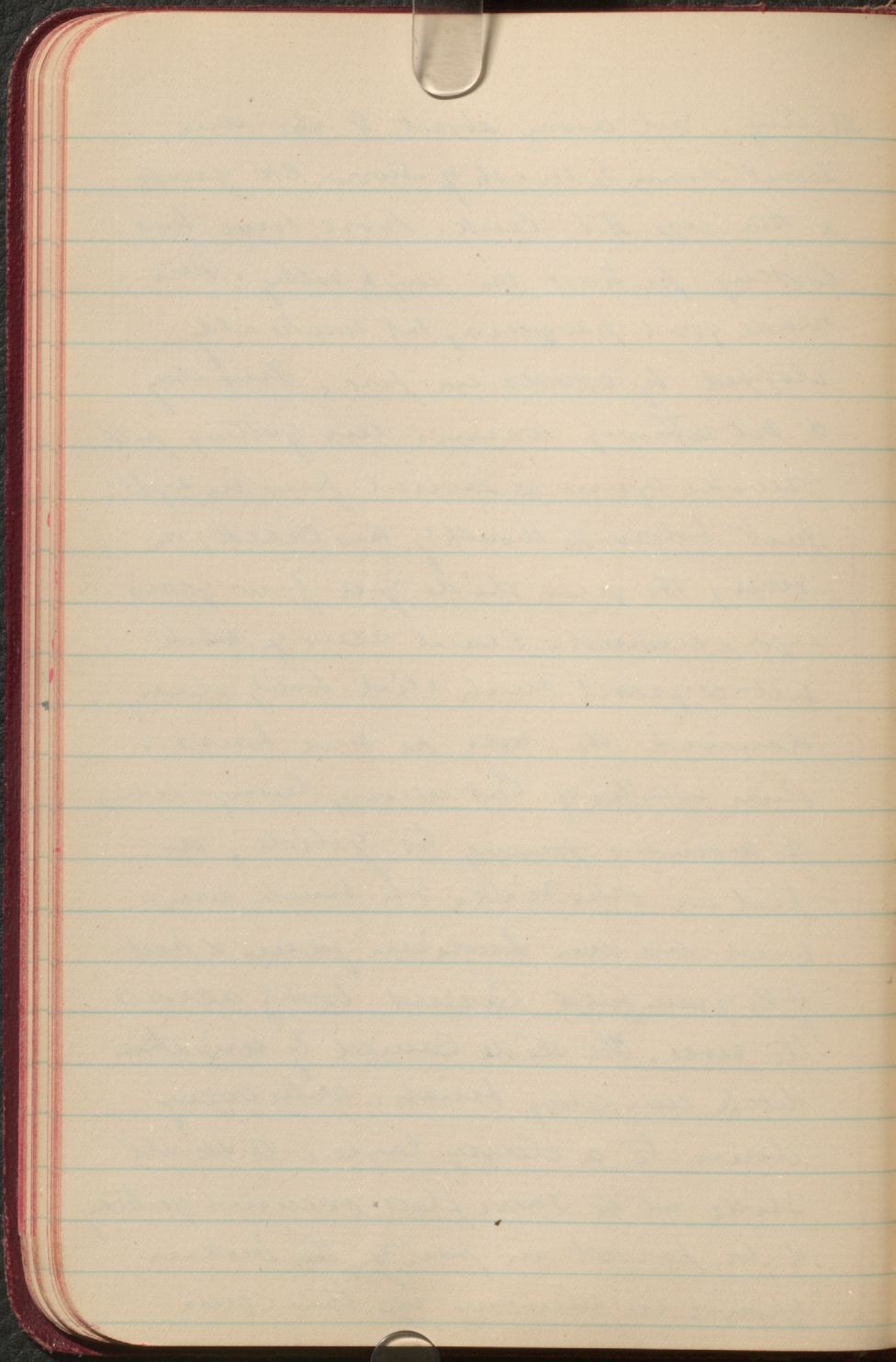
18 Aug. Meet Davis, in charge of boys
& spend warning with him in going
over & examining the Core. Run post
for Burman. Answer a number of
letters

19 Aug. See Foronley who reports
Mr. Atch in boring matter during
his absence, attend to a few other
items of business. Take train at
12:45 for Spencer's Bridge. Reach
Spencer's Bridge midnight & manage
to get a bed at the little hotel near
the station.

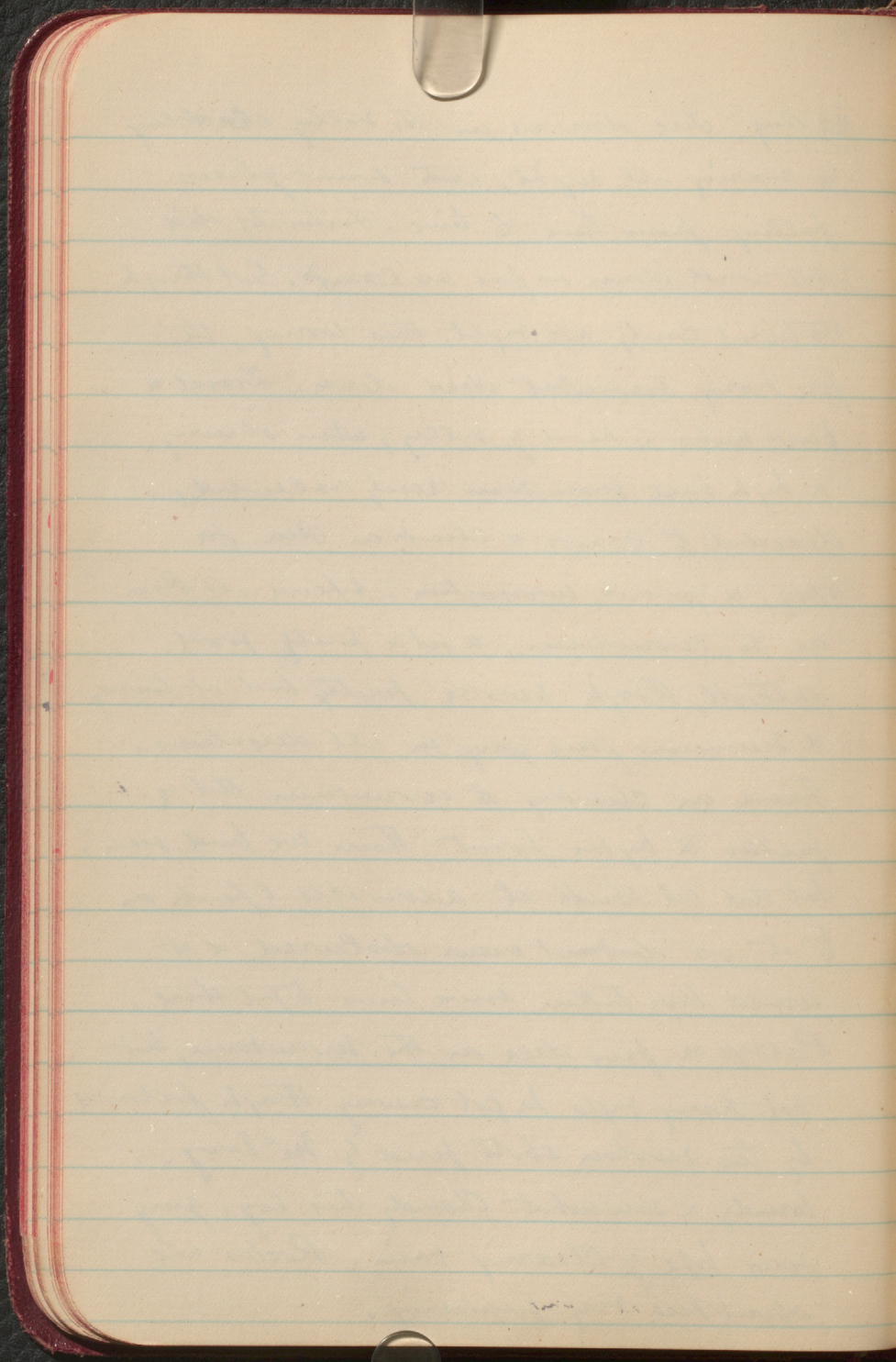
20 Aug. at Spencer's Bridge. In evening
& part arrive in Rm. Get some
new supplies etc required. Write
a few letters & prepare to get off
tomorrow.

Slide on
Thompson.

21. Aug. Get away about 8:30 am,
Travel down to mouth of Snow Cr. groups
& then up that Creek. Loose save time
looking for trail in rough valley. Plus
made good progress, but eventually
stopped by woods on fire. Fine day
& not extremely warm. Air getting full
of smoke again & several fires in sight.
Just below the mouth of this Creek, on
river, the great slide of a few years
ago occurred. Small acres of white
silt & gravel bench slid bodily down,
dammed the river for some hours.
River eventually cut across, leaving series
of wounds proving too of slide, on
flat on other side. The bench was
used as an Indian farm & part
of the grainfield carried bodily across
the river. The slide caused by irrigation
ditch run along bench, water oozing
down to a clayey layer, a small
slide at the same place occurred yesterday
& we passed on part of the broken
ground in climbing up the am.

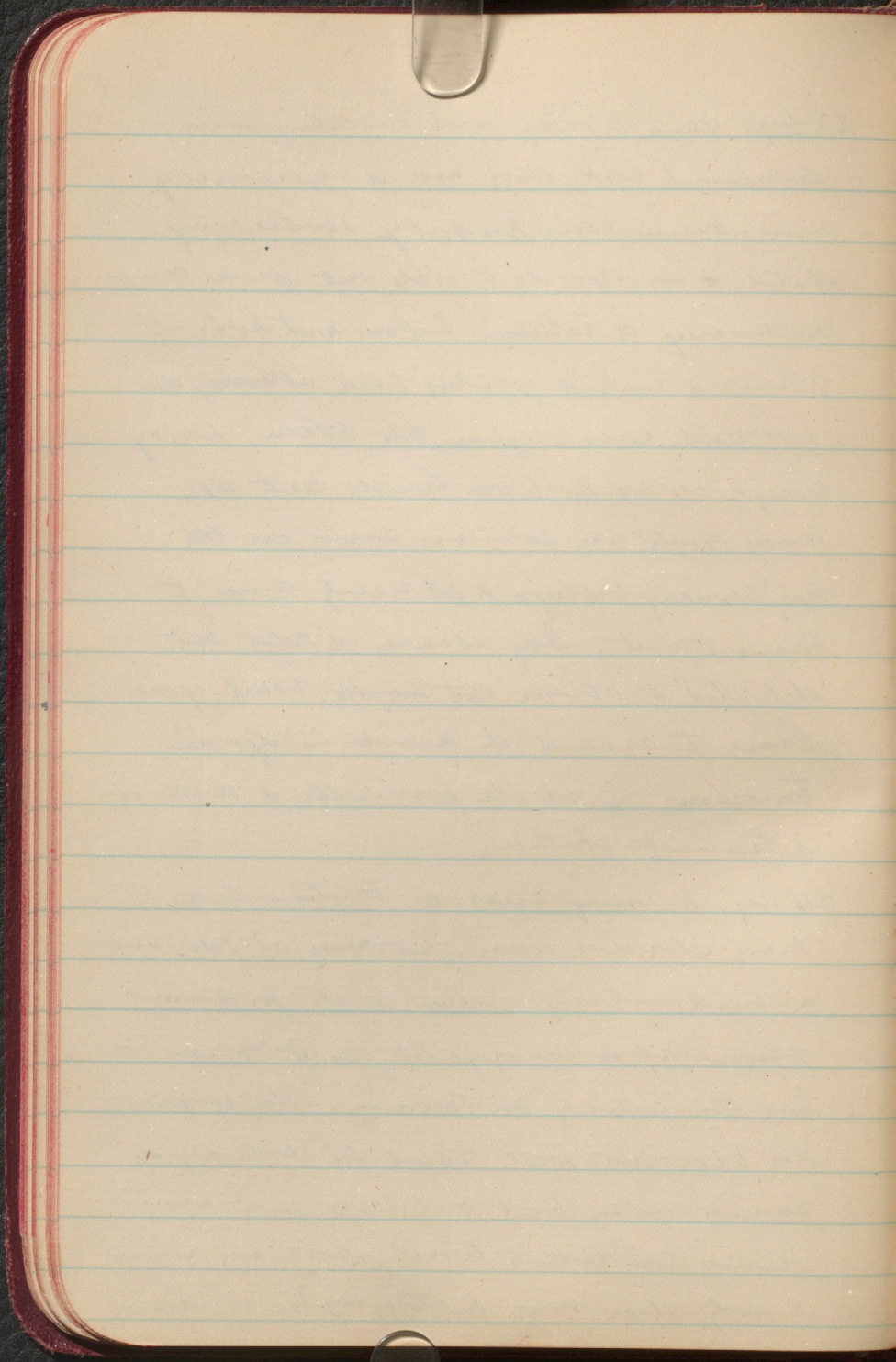


22 Aug. Fire above us in the valley crackling
a warning all night, with sound of trees
falling from time to time. Fortunately did
not work down as far as Camp. Got through
the hunt country all right this morning, the
fire being somewhat died down. Travel a
few miles to head of valley, when observing
a high bare mountain rising as I ascended,
decided to Camp & Climb in P.M. for
topog. & general information. Spent all P.M.
on the mountain, & got a pretty good
outlook, though smoke pretty bad at times,
& numerous fires going in all directions.
Found on climbing the mountain that of
fact it a higher point than we had seen,
but did not think it advisable to push on
to it as distant view obscured & it
would have taken some time to get there,
Put up a fine deer on the mountain, but
not having rifle he got away though followed
by two revolver shots fired by McEvoy.
Windy & somewhat cloudy this day, giving
some hope of clearing rain. Rocks all
about here very interesting.



23 Aug. Quite cloudy with sweeping wind,
autumnal look, chilly air & appearance of
rain. Seems sure prospect of swelter being
abated & so decide to ride out from camp
this morning & return. Set out with M.C. at
7 hrs. & method of getting back at noon, did
not reach camp again till 5 PM, hungry
though as we had no lunch with us.
Made quite an extensive sound in the
neighbouring valleys & got nearly down to
Fraser to west. Day stormy & cold but
delighted to observe that swelter nearly gone.
Plan to ascend the mountain again
tomorrow if at all favourable & make it
a transit station.

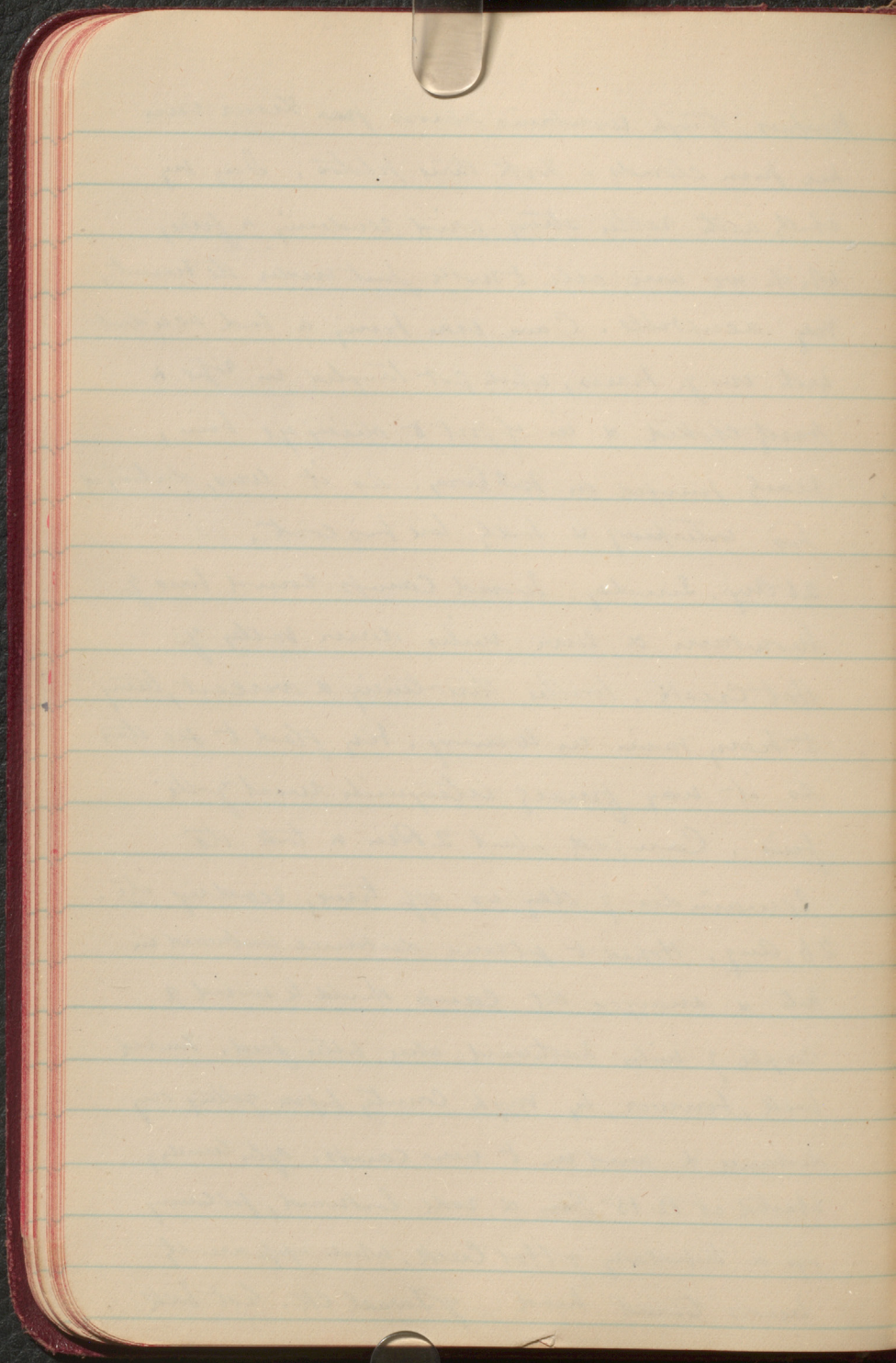
24 Aug. morning clear as to atmosphere, though
partly clouded above. Got away at 8.30 with
a pack containing instruments etc, for summit
of Snow Mt & Murray's Mt, as it appears to
have been called by Mr Dawson. Height turns
out to be about 7000'. Spend the whole day on
summit, getting back to camp just before it
became too dark to travel. Got very extensive
& fairly clear view for topographic & geological



peepers, through mountains across from Fraser river
peep from clouds. Took three photos. Day very
chilly with rather strong wind rendering a fire,
which we were able to make just under the summit,
very acceptable. Can bear being a bad accident
with my knives, which got tangled in rope &
partly choked & in effort to disengage them,
nearly jumped on McLong. As it was, damaged
his waterproof & took some his coat.

25 Aug. Sunday, moved camp round base of
mountain & some miles down valley of
Hot Creek. Weather threatening & overcast, turning
to heavy rain in evening. Very glad to see this
as it may finally extinguish most of the
fires. Camped about 2 P.M. & took the
remainder of day as off time, reading etc.

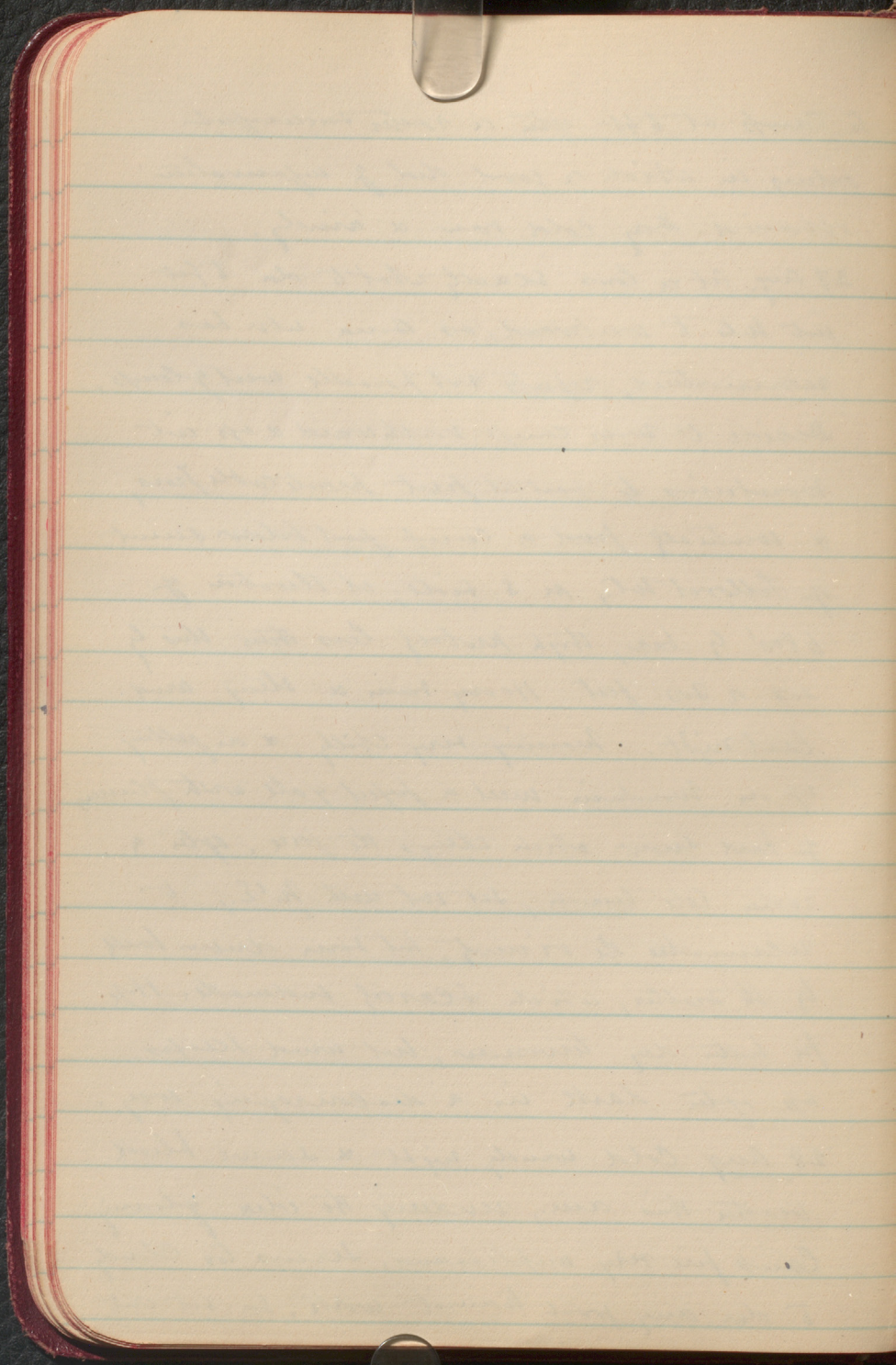
26 Aug. Hoped to get some distance westward in
hats, & arranged that camp should be moved a
couple of miles northward where better feed. Turned
back, however, by rough country before getting any
distance & went on to new camp. After lunch,
started at 12.15 P.M. & rode eastward, following
up a tributary of Hot Creek, which apparently
heads toward head of Swaal CK. Got back



to Camp at 6:45- after a rather successful
outing in which a good deal of information
obtained. Day cold rain & windy.

27 Aug. At a loss exactly what to do to get
into huts to westward, as some one has
recommended, reports not possible west of camp.
Decide to move camp northward & up into
mountains to west at first present cable pass,
& eventually find a camp just below summit
of Fellovet Mt., on S. side, at elevation of
6800' by bar, though probably less than this by
200 or 300 feet. Heavy rain & strong wind
last night. Morning very chilly, & on getting
up on mountain meet a perfect gale with falling
of hard snow which stings the face. After a
rather late lunch, set out with M.E., to
reconnoiter the vicinity, but soon driven back
by the weather, which scarcely endures. Hope
for better day tomorrow, but wind keeps
up after dark in a discouraging way.

28 Aug. Cold windy night & same black
weather this am., rendering the idea of leaving
Camp fire very unpleasant. Seems too cloudy
to do any good transit work, so set out



with McEvoy & rode ~~westward~~ toward Three
Lake valley, following eventually a mountain
ridge which goes in that direction till we saw
into bottom of valley. Sketched & skinned, took
sto & returned on the bare crest of Lillooet mt,
which by bar. reading has height of feet.

Got lunch & then set off again in a westerly
direction, to a second point which may be
provisionally named S. Lillooet mt. Left McE
here with transit & went in some miles still
further south with Edgar, crossing two deep transverse
Valleys. Got back to camp pretty well tired
out at about 7 P.M. Afternoon equally windy &
cold with the morning & very unfavorable for
work. Wind seems to cut to the bone on these
bare spelterless hills. Few snow on crest &
Coast range, but latter more or less clouded
with snow & fog drifting over it since
we have been here.

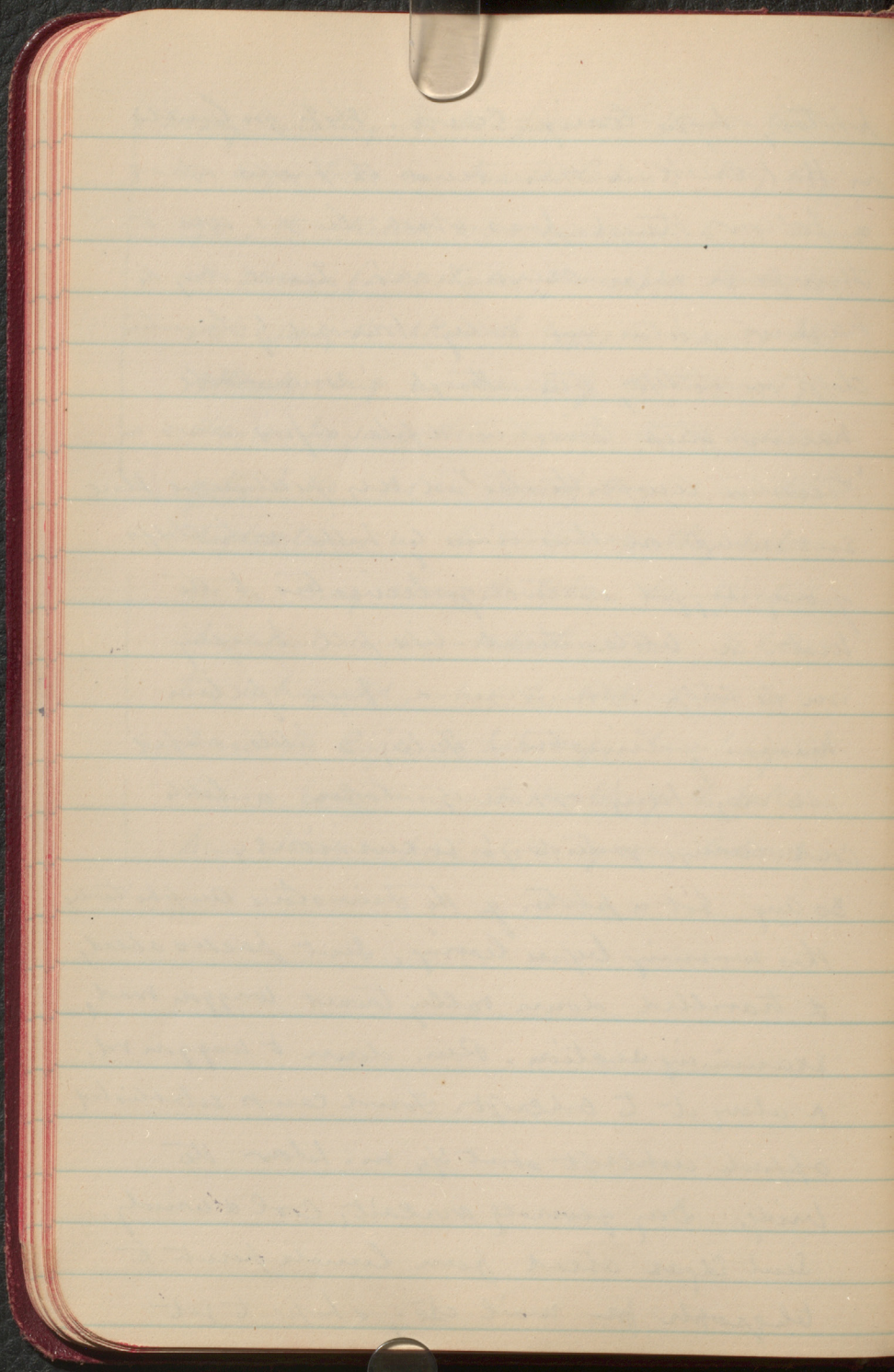
29 Aug. Another very windy, warming, but not
so cold as yesterday. Move camp, going
down into Hot Ch. valley the way we came
up. Got specimen of wood of *P. albicaulis*,
& some cones for seed. also a couple of

story relating to In-pa-at'-kwa-ten
the Coney Lake in Marble Cañon. Very long
ago, the Skunk was married to a woman
a shrew (short-tailed mouse) & the eagle
stole away the Skunk's wife, the mouse. The
Skunk going in search of the Coupirits,
thought he saw them together in the bottom
of the lake, but in reality only saw their
reflections in the water as they sat
on a crag above the lake. He ejected
his molochurus secretion into the lake
till exhausted, when he looked up &
saw the Eagle & his wife laughing at
him. Ever since the water of the lake
has had a peculiar green colour.

Land.

photos, before leaving camp. Stop for lunch
on Hat Creek, & then send the packs ahead
& follow through pass which leads over to
Hawman near Oregon pack's. Travel along the
narrow picturesque valley, bounded by limestone
cliffs on the left, then through a remarkable
narrow steep limestone defile & find camp in
'Limestone Amphitheatre' a very picturesque place
surrounded on three sides by hills with cliffs
of very rugged outline of limestone to the
west. A little thread-like fall hanging
over the cliff at one place & huge fallen
masses of limestone. Feeling a little stupid
all day being opposite to the a little
cold during yesterday's excursions,

30 Aug. Got a photo. of the Limestone Amphitheatre
this morning before leaving, sent packs ahead,
& travelled down valley toward wagon road,
examining section. Ran down to wagon rd,
& along it to Ashcroft. Found camp established
opposite Ashcroft about $3/4$ m. below the
bridge. Day generally overcast, cool & windy.
Sent Edgar ahead from lunch point to
telegraph for mail etc., & hope to get

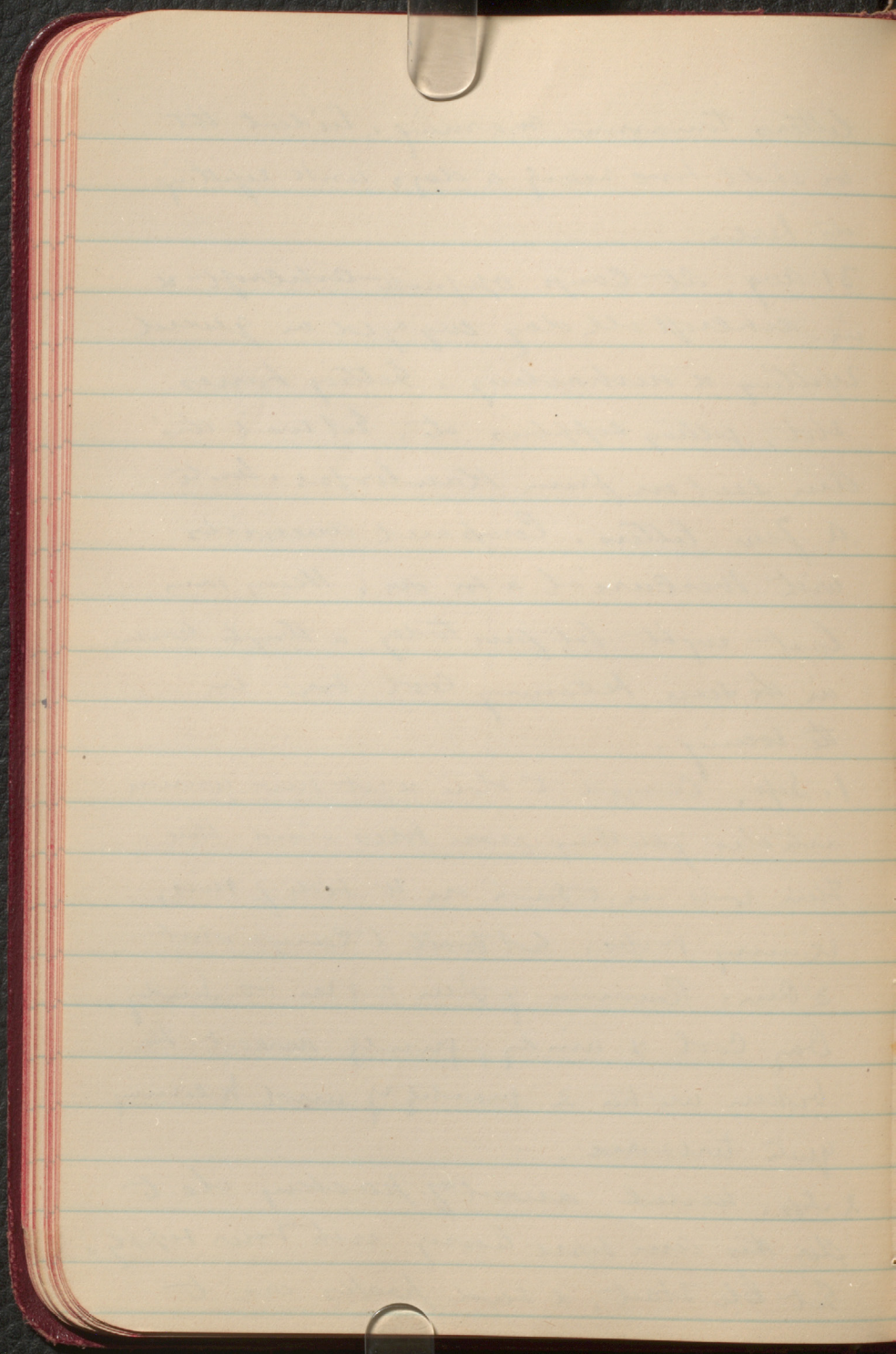


Letters tomorrow morning. Evident that we shall have nearly a days work refitting etc. here.

31 Aug. At Camp opposite Ashcroft & in Ashcroft all day engaged in general refitting & unshavling. Getting boxes shot, getting supplies etc. Got mail this Am sent in from Kauloops. Wrote a few letters. Compared aneurids with Mercurial & on on. Heavy rain last night but fine today a though warm in the sun becoming cool soon in the evening.

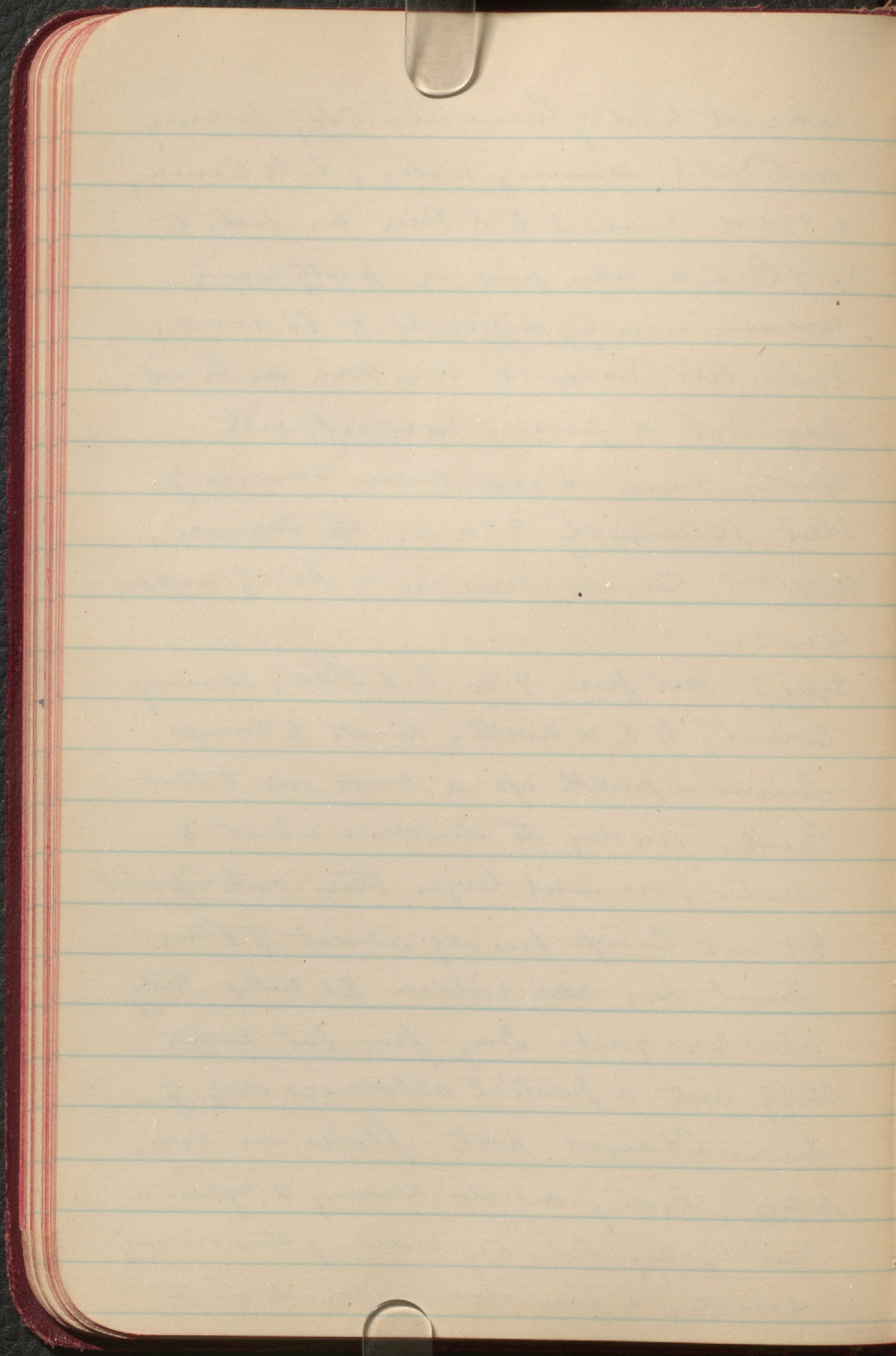
1. Sep. Crossed to store & got some warm articles of clothing from boxes stored there. Then rode on to south on W. side of river, examining rocks. Got back to Camp about 3 P.M. Remained of P.M. put in as Sunday. Day cool & windy, finally went. The broken weather & quantity of wind becoming quite tiresome.

2 Sep. Unwed amount of packing etc to do this Am before leaving with bear supply. Got Cole Hart, & send packs on to



Lake at head of Carnwell's Ck, following
with Mel. Warming ropes. Late lunch,
& + herd from 3 to 6 P.m. on hills to
S. of Camp, where find a pretty rough
mountain country, difficult to traverse.
Meet Mr Carnwell this am on trail.
Day cool & finally overcast with
spitting rain & we sweat through
sheet. Unusually cold for the season.
A good camp here in a pretty aspen
grove.

Sep. 3. out from 7.30 to 1 P.m., Warming
Country to E & north. Back to Camp.
Lunch & pack up & move on to Hot
Creek, finding the distance about 8
miles, somewhat longer than anticipated.
Get out Camp finally about 7 P.m.
Must have ~~over~~ ridden 21 miles today
at slow gait. Day fine but rather
chilly with a partial allowance of
sun. Changed photo plates in evg.
4 Sep. Riding out all morning & afternoon
investigating detour basin of this vicinity
& visiting a few springs made on the



thick lignite bed. Day pleasantly cool, rather unpleasantly in early morning, & generally overcast. Found we must put in another day get in this Camp to complete necessary information.

5 Sep. off pretty early & out all day with Egan, till & Ben, examining hills to North-Eastward, while McEvoy similarly exposed to Southward. Light shower in morning, but day turned out fine & Swike has now almost disappeared. Found a pretty rough hill & brushy country & did not get over very much ground, though a good deal of information obtained as to boundaries of Luteary. Messrs Parnes (?) & Fenney came to camp this evening after we had left, & returned about dark in the evening when had a short conversation with them re. coal. See we gave but a couple of grains all day. Very few signs of deer & seems that the Indians have pretty well hunted this country out.

Indian Signs. Found at Camping place
today a stick with two colours of reds,
evidently torn from woman's dresses
stuck vertically in the ground. This
it seems indicates that the individuals
in question left the Camp at noon.

Ind.

If the stick inclined way mean either
that the Indians left in the direction to
which it points or at the time indicated
by its direction of point as the sun. If
 anxious to show both, may place one
stick, the principal one, pointing to the
sun; a second pointing out the direction.
All this near the abandoned camp fire.

6. Sep. Travelled across valley to point at which Limestone Ck of 87 mps issues from mts. Stopped there at 10 am & rode about 1 1/2 m. south looking for granite which great quantity coarse everywhere in main valley. Found the granite & basaltic rocks in contact, after lunch travelled on up the Ck, & stopped near Summit of pass at convenient point for getting to some outlook mt. Found a pleasant Camp at first - running water on W. slope. Rode up near mountain with McE to reconnoitre for tomorrow. Saw a deer today but did not get him. Day fine, with clouds passing from west & apparently very suspiciously fine day tomorrow.

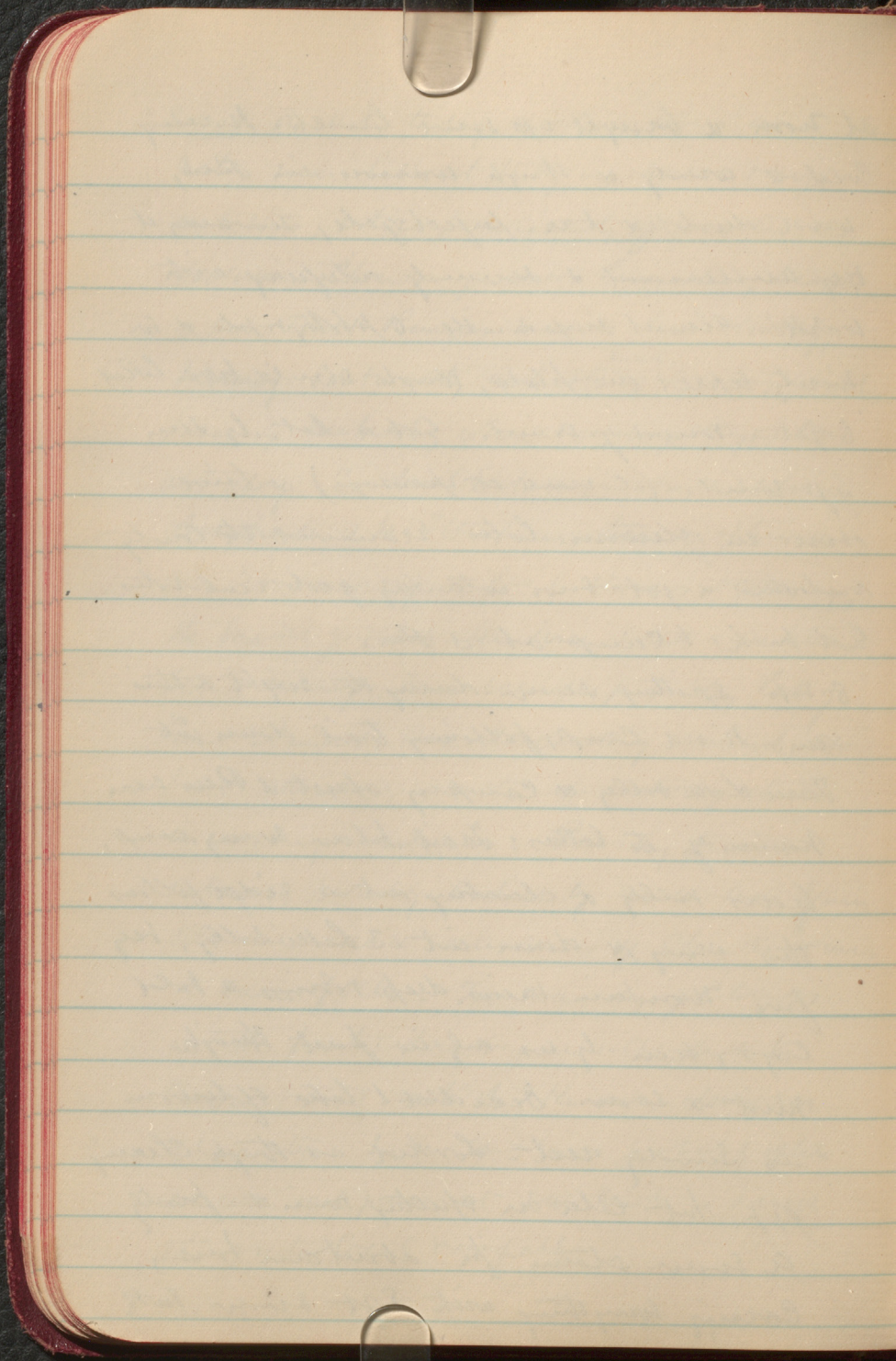
7 Sep. Spent the whole day on top of mt. about a mile from Camp to northward. Had intended spending of the morning, but clouds were sweeping over the Summit when we arrived there, & the Court Mountains, which it was wished to sketch, uncovered very slowly. Edgar therefore went back to camp

Sep. 7 on mt. today & also when on
mts. near Sellovet mt. in same range
with this, notice peculiarity of weather as
follows. Clouds, generally Cumulus, beaped
upon Coast Ranges were a less thickly,
blowing eastward, with strong ^{south.} westerly wind,
passing westward, were much of sky clear
all day. To both eastward, about upper
Bishoparts & N. Thompson, toward afternoon
clouds warping & local storms occurring,
the banks of cloud then more solid & continuous
toward evening. This exemplifies dry lee of
Coast Ranges. Air descending inland, at
first warmed & rather dissolving than
increasing cloudiness. Passing further
inland, probably cooled by radiation of rain
till increase & coalescence of clouds occurs
& rain falls. The warping of clouds
in the particular region alluded to
corresponds with the known dampness
character. Such conditions probably often
occur with prevalent S.W. winds & hence
the greater local rainfall.

Weather

at noon & brought up some lunch. Morning
Cold & windy & though warmer in P.M.,
wind developed to a perfect gale, rendering it
very unpleasant & seriously interfering with
work. Almost impossible to photograph & we
merely secured one plate, though should have liked
to get a number of views. Got a lot. by sun
off wind. (Crossed at passage) & time
spent in afternoon later. Examined the country
overlooked & got some interesting geological notes.
Got back to Camp at 3 P.M.

8 Sep. Spitting snow during the night & this
am. Moved Camp, following trail down into
Three Lake valley & Camped about 1 P.M. near
Northern of the lakes. Trail below Wagon camp,
leaves valley & climbing onto a ridge follows
this along & down into 3 Lake valley, very
fine mountain views deep ravines & bold
crag, seen by us only in part through
mist & snow. Decided to take afternoon
as Sunday rest. Looked as though clearing
off, but later on spitting rain & finally
a snow storm for about an hour,
covering everything with soft snow. Took



the gun & set off to W. side of valley to see the rocks there. Spot a couple of ducks in the lake, but saw nothing else. Got wet up to knees in retrieving the ducks & afterward came in for a good part of the storm, getting back to camp somewhat moist & cold. See present beaver work along lake, showing that the beaver are quite extinct here yet.

9. Sep. Kept in camp all day by continued snowstorm, only interrupted by occasional sleet or rain. Cold & unpleasant, though passed the time well enough reading & with good fires.

10. Sep. appears clearing this morning, so set off to travel down valley northward. After lunch reach the Fraser, & send packs on to find camp en route toward Lillooet, while rode back down Fraser about a mile to examine patches of gravel, Cretaceous etc. Found a fine display of the relations of rocks which have been a puzzle for some time back. Followed packs, & got out camp just before dark, the packs having to go on much further than intended, as the trail runs along high day

Below are all the measures I
can ascertain the Sheswaps Indians
employed. —

Kō - poop = one palm

Kit - sī - talis' = half palm

Mā' - sukst = four fingers i.e., the width
of the hand when grasping a stick or other
long object.

Ind.

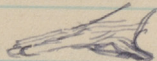
En - kō' - tek - skwakt = one foot-length.

Measurements made along ground by placing
the heel of one foot to the toe of the other.

Skw - tows' = one half foot, measured
thus with ^{closed} the hand, to end of thumb



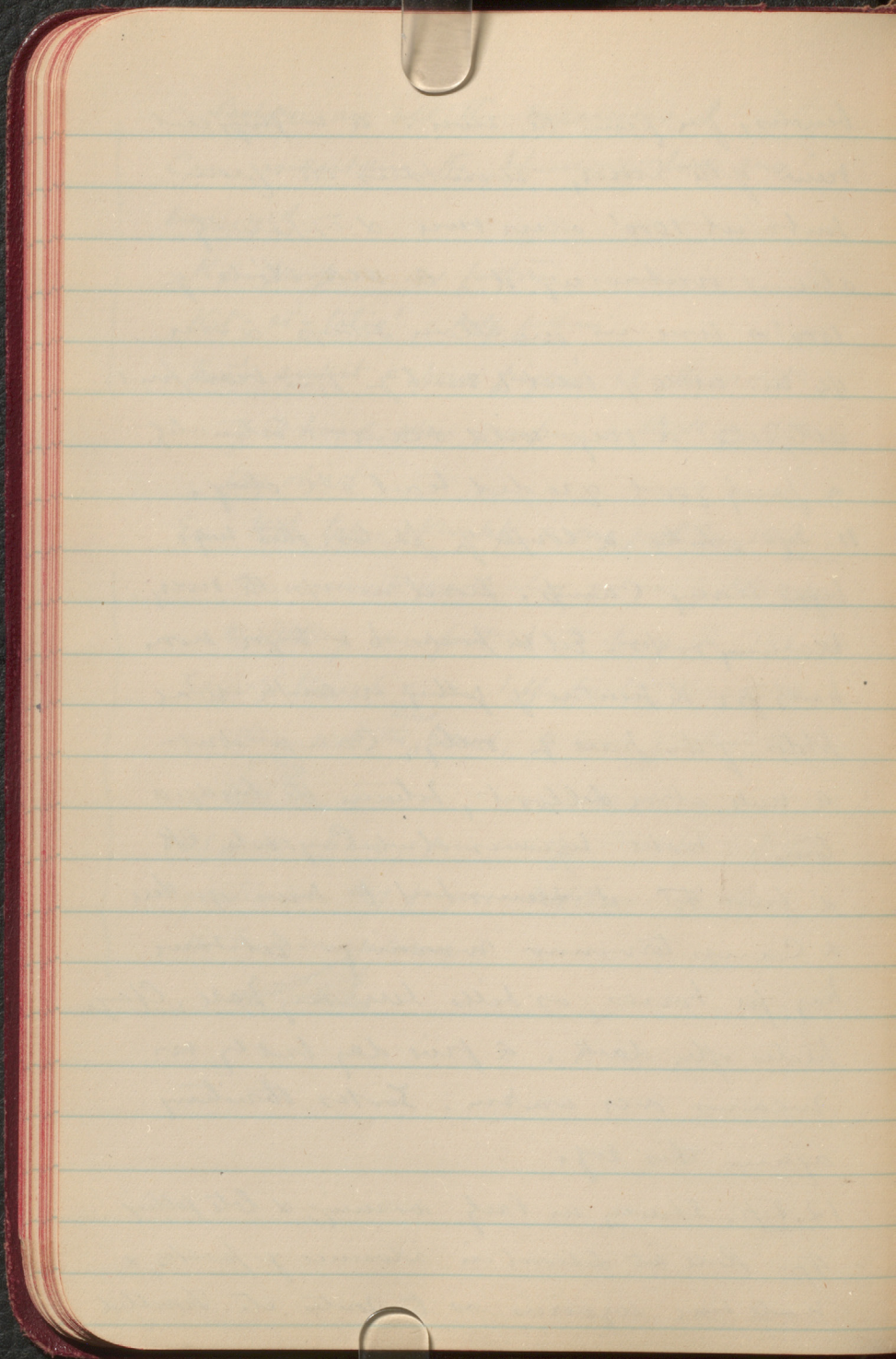
Also the span, from end of thumb to end
of extended long fingers. Supplement forgets
the Indian name



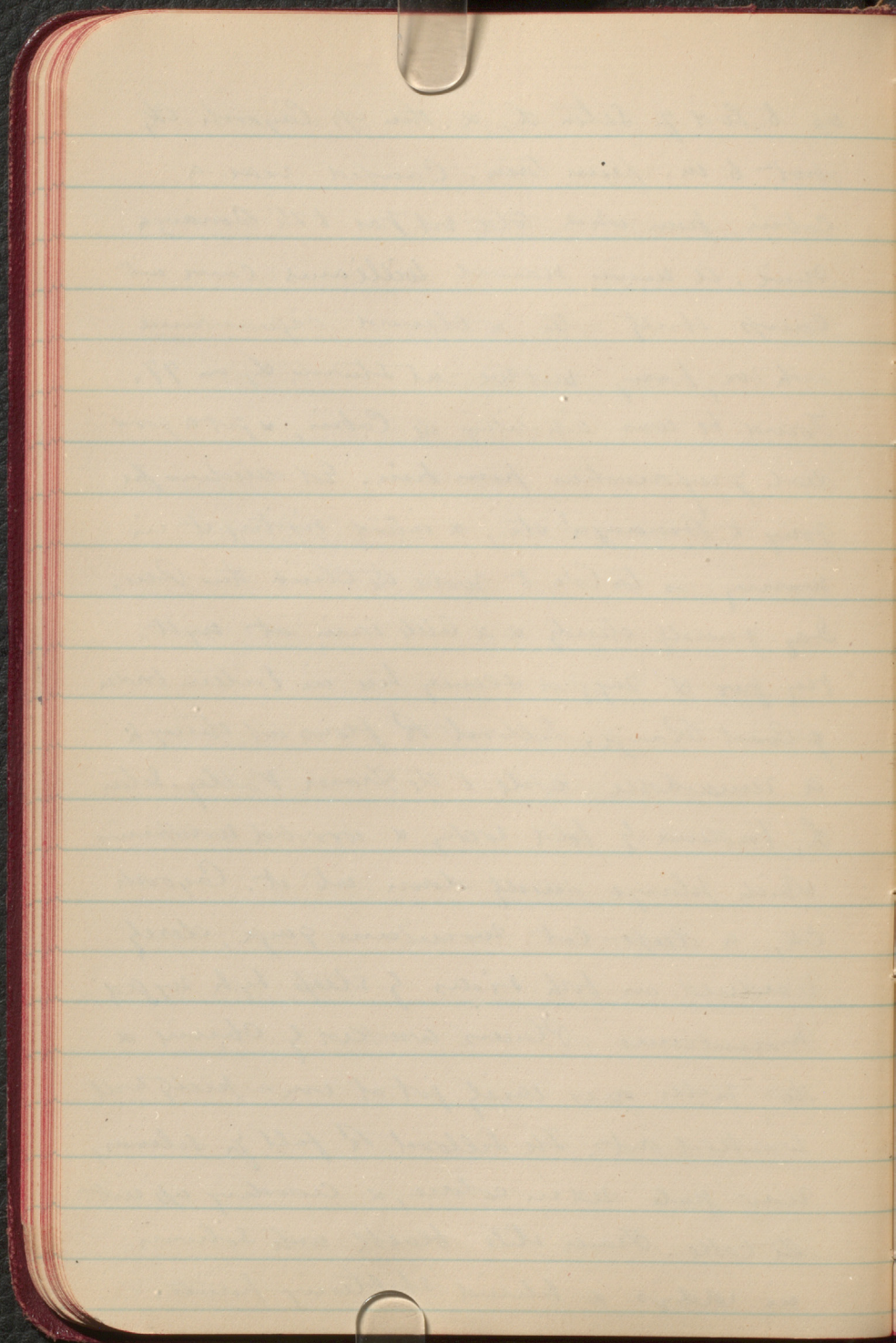
benches, far from the river. A magnificent view of the river, mountains etc from just about 1000' above river & apparently almost overlooking it. A rock slide of 1500' or more in one clean sweep & over $\frac{1}{4}$ mi. wide, best & mostly this view from altogether a very wild scene. Fortunately a fairly good graded trail all along.

11. Sep. Take a couple of photos, this morn. before leaving Camp. Travel on up the river, examining rocks. Get the packs & sleep for some part for the purpose of getting a couple more photos. of this part of valley. Camp about a mile above Lillooet, between the bridge & town: make logjams about Cayoosh. Ch & find that it seems best to leave up this & Camp tomorrow morning. Get some hay for horses, as hills here very bare. Change plates after dark, a fine day but by no means over warm. Forks threatening again this eve.

12. Sep. Stay in early morning, & late getting up. Rode w/ Lillooet in advance of packs, & made some enquiries as to routes etc. Travelled



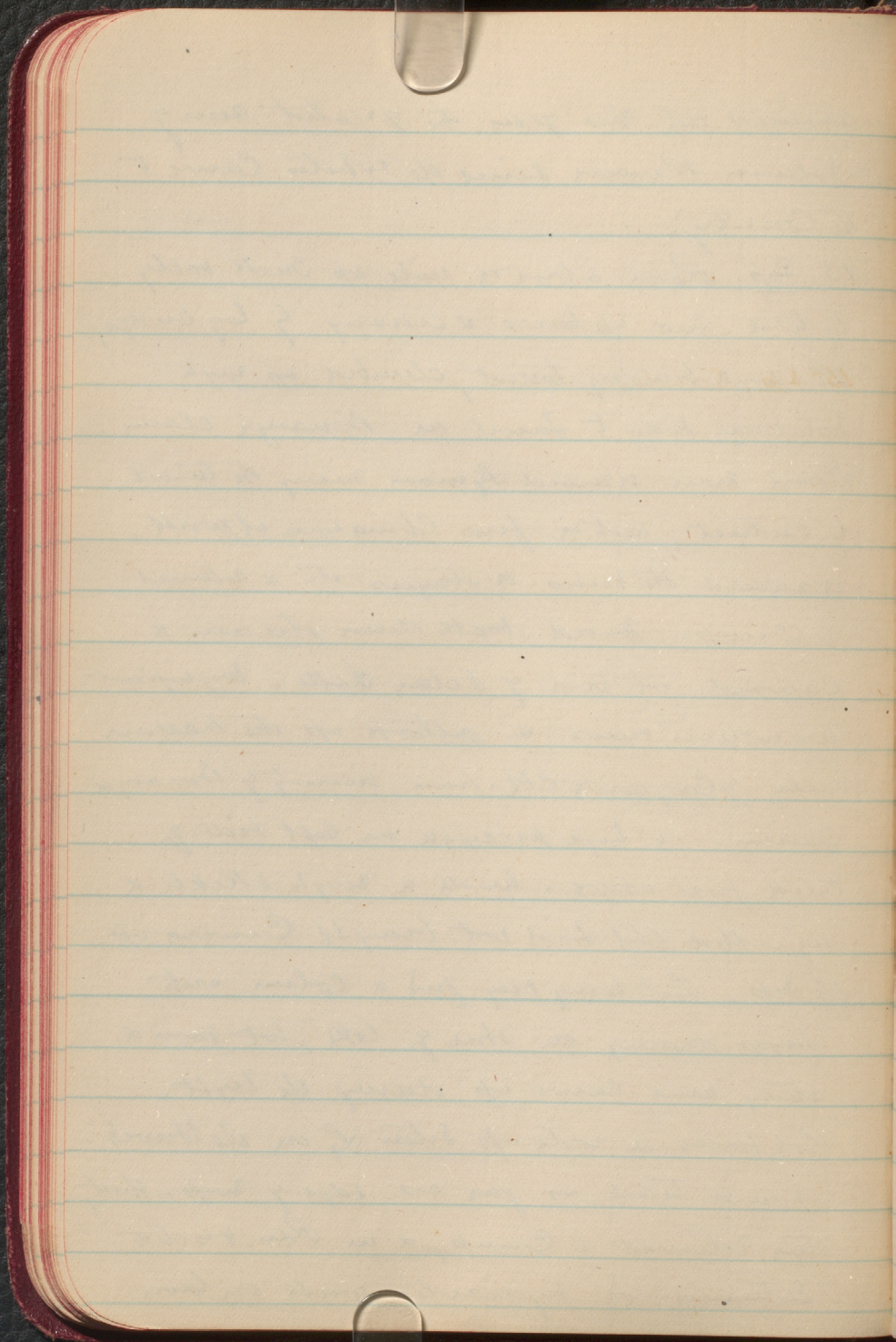
up to head of Seton L., & then up Cayoshk Cr.,
about 6 m. from town. Camped near a
Cabin, from which told us far to the Sonanga
mine. A miner named Williams came out
Camp shortly after & claimed acquaintance
with me, having met me at Stuart L., in '77.
Found he was inhabiting the Cabin, & got a good
deal of information from him. Got directions for
going to 'Sonanga' etc., & intend visiting it in
winter, as too late to walk the Clinch this year.
Day generally cloudy & a little rain at night.
Very fine & rugged scenery here in Eastern border
of Coast Range. Lilloret R flows out through a
remarkable defile to the Fraser Valley. Seton
L., bounded by bold rocks, & wooded mountains
which plunge directly down into it. Cayoshk
Cr., a deep-cut mountain gorge, closely
bordered on both sides by steep high rugged
mountains. Places worked by Chinese &
the richer ones easily got at now pretty well
worked out. The Lilloret R fall of Solvay,
now quite red in color, & crowding up into
the Cole. Fraser still black with Solvay
in eddys & behind sheltering points.



assumed that this year the greatest run of
Solomon River since the Whites Came to
the Country.

13. Sep. Rode about a mile up Creek valley
by trail. Tied up stones & crossing by log bridge,
the rough bouldery torrent, climbed up rough
mountain side to tunnel on Bananya claim.
Food man named Lyman using the tunnel
by contract, with a few Chinamen at work,
Examined the ruins or stupas etc & returned
to Camp. Moved back down stream &
Camped at end of Seton Lake. Wagnificent
mountain views & outlook up the narrow
valley of Cayonk etc. pass vicinity of Bananya
claim. A huge precipice on left side of
Creek just above. Made a rough sketch &
regretted that had not brought Camera up.

14 Sep. Lost Wagnberg found a column with
bees drinking on stone of lake, but rain &
strong wind drove up during the night.
Got horses & rode up Seton L. on the above
Sound trail as far as edge of weep-sheet,
then returned to Camp, & in P.M. visited
Estupido's Co's hydraulic works on lower



partly Cayoah Creek. Moved camp back
to old place about a mile above Selloot.
Spent some time in town getting needed
supplies etc. Got a dog out hunting bones,
some of which had strayed, till near midnight.

15th Sep. Sunday. Much ado, as usual, packing
up new stores etc. Got lot of specimens off of
stage starting this am to go by express to Kamloops.
Packed off at last. Follow them, spending first
some time looking for arrow-heads etc in
sand-hills behind camp & finding various
objects of interest. Camp near bridge, on N.
side of Bridge R & take the afternoon for
various camp duties, work etc. Get an
obsm for lot in log on altar. Stovey in
early morning, but dry fire in evening. Visits
from Indians living here & view camped
in various places along river Catching salmon.
Arrange with one of them to get some hay for
horses as the feed practically nothing here.
A short distance above mouth of Bridge R,
a small fall or chute in the Tracer &
rough water flowing between rocks all the
way to Selloot Bridge. The river still

At Indian graves found among
other things part of a stoneware pipe like
those of Skyten, a lot of flat bone beads (?)
which were buried with one of the
bodies & had either been in a bag, or
forming some sort of shield-like affair,
sewn together. Another skeleton had a
lot of devotional shells buried with it,
Numerous rough arrow-heads & flint
chips (obsidian?) also a number of
bone barers or awls. Found also
among the graves, but displaced, two
separate pieces of native antimony (?)
much corroded, bored for suspensions.
The skeletons all crumpled & bored of
blowing away of sand. Charcoal &
ashes in such association with them,
that evident the bodies had been partially
burnt or at least that if not fires had
been built above them after burial.
The objects buried with them however,
did not appear to have been subjected
to fire.

Incl.

full of salmon. Watched them for a time today in eddies & behind rocky points, densely crowded. Now & then the water would change its course a little & sweep a mass of them out of eddy & down stream. Swirling in the current they resemble nothing so much as snow-flakes in a storm & appear to be equally numerous. They are actually & literally wearing out by friction in the eddies & whirlpools of the river. The small red sockeye (Dummet) salmon now red instead of silver, and the head retaining a greenish silvery color. The large white salmon, however, not such bad looking. Most of the salmon are practically stopped at the little fall of 10' in river at present low stage of water.

16. Sep. Rode about 8 miles up Bridge R., & returned to Camp at 1.30 P.M. Rm, and Camp. about 3 miles up Frazer, stopping at a little spring on high bench, having been assured that the water for a long way beyond. Very fine day & quite warm. Clear & clear this evening.

Pavilion Mt., so named after Jim's father.
He was a chief & acknowledged authority
in all these parts & as far as Kawboops
etc. His Indian name Kwoem-tokshen
= 'rainbow'. His English name, Pavilion,
was given to him by Sir M. Sieber, who
when Pavilion died sent a tombstone to
be placed on his grave at Deadman Cr.
Pavilion's general place of residence &
country was about the mountain now
so called.

17. Sep. Jim disappeared last night, & it seems went back to the Indian village. Got breakfast & worked out a couple of miles on the road before he put in an appearance, very limp & with bloodshot eyes, having evidently been on a spree. Traveled in about 11.5 m. up valley, camping opposite & a little above the mouth of Pavilion Crk, at a Chinese ranch, where got some tools for horses from a very business like Chinaman. Very hilly trail, up & down gullies & benches high above the river. At Black Hill Creek saw striking scenery in cliffs & gorges. Met a long train of pack trains escorted by a few Indians & loaded with grain from one of the little ranches along here. Day very fine & moderate in temperature.

18 Sep. Traveled about fourteen miles up river today in straight distance, & much more by the very crooked & hilly trail. Many little Indian fields on apron-lets bet of benches, separated by deep gullies & craggy rocks. Camp near a little spring, as usual high above the Lower Valley

Cultivation.

The cultivable land from some distance below Lytton, up Thompson to Ashcroft or further & up Fraser to Pavilion & on beyond, though scattered & seldom with large patches, must aggregate a considerable area. Many large patches under cultivation of some kind, but little difficulty in getting irrigation water on almost all of it, one way or another. Mostly used at present for cultivation of ordinary coarse field crops, generally in very rough style. The prices for such crops not now high as formerly & some land already passing out of cultivation, while the whole by reason of climate - being in the dry warm belt - should have of great value for fruit of all sorts, including melons, grapes etc. Vineyards might be made, with a little work, even on the steeper slopes. Wine might be produced where roads cannot easily be made for transport, & the great dryness of the air in summer, should render it easy to dry all kinds of fruit.

Get a lat. obs. in evening. Day somewhat
fine with very pleasant temperature, scarcely
too warm at noon & mild & agreeable in
evening. Find the river very much out of
shape & position on the maps. A rather complicated
lot of rocks today, leaving some parts for
elucidation on way back.

19 September. Made about 11 miles up river,
camping a few miles below Big Bar.
Decide to return from here, as the river bank
well up edge of map-sheet in view. Day fine,
but strong southerly wind & sand drifting
in places in an irritating way. Tried to
get down to river to camp as evening but
banks too steep, so turned back & camped
in a gully where a little bill of water.
Changed photo. plates in evening. Altogether
not a very profitable or interesting day.

20 Sep. on return journey down river.

Day generally overcast & rather strong
northerly wind. Camp on Lean Ck, with
purple & gray up it in the morning.
Got some venison from an old Indian
met at noon. See a man named

Traver Valley

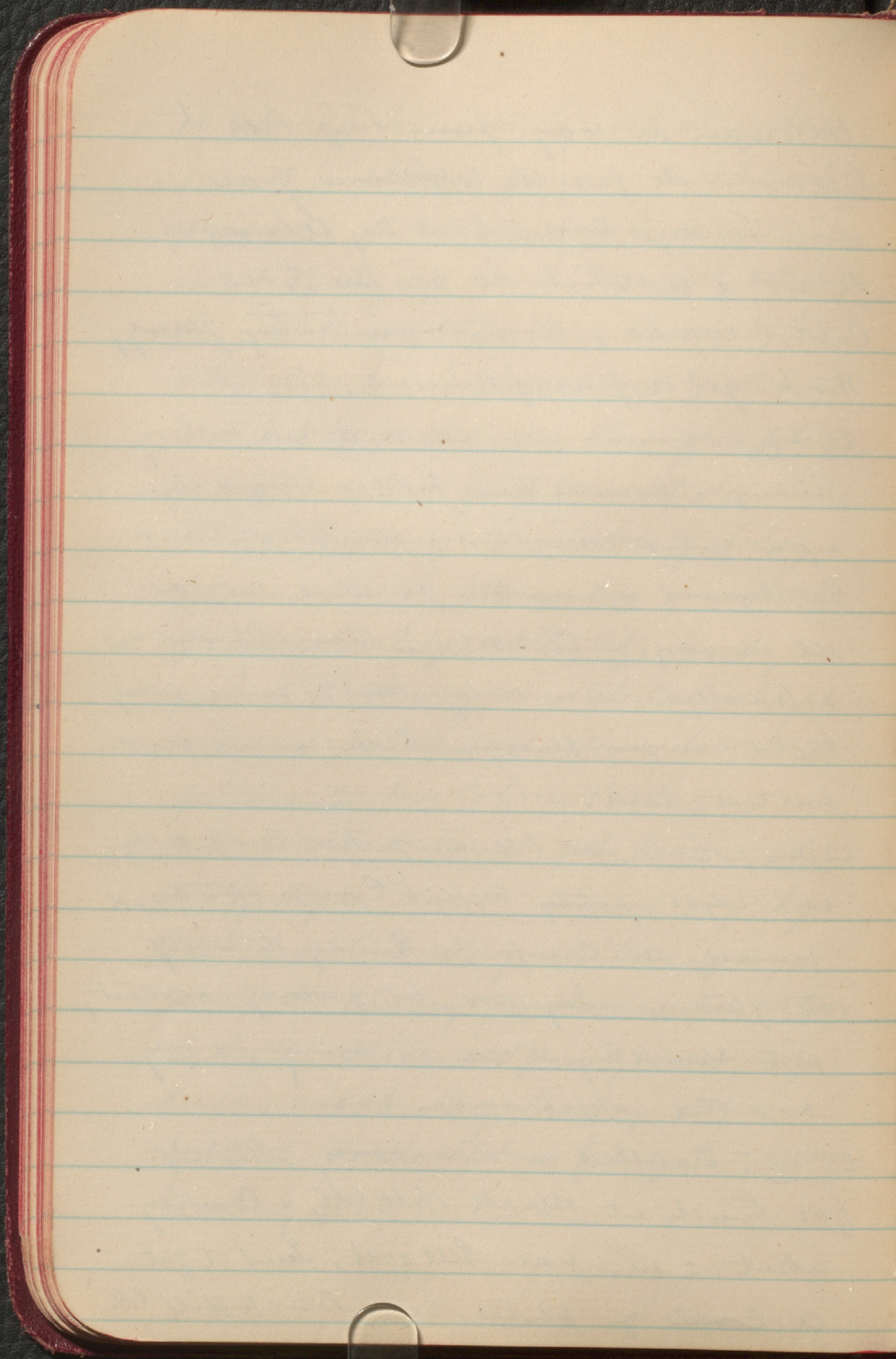
19. Sep. The Traver valley all along here presents a strange gaunt monotone appearance, the scattered butts & little spots of cultivated land scarcely relieving it. The rugged unpeaked look of the valley itself softened by great bare gullies, added to the general grey tone of the foliage, the rocks & even of the river itself. Scarcely though the sky & atmosphere of today seems almost ocean-like & without salient points of actuality. The dry air with the shrubby arborescent crops & plants occasional sandy wind-blown tracts & gulches of bare colored clays & silts like 'bad-lands' of the plains give the Yppalya desert, relieved only by scattered trees along sheltered valleys & on the bounding mountains, 3000' or more in height which are generally crowned by dense woods. Long trailing grey or purplish rock slides facing the mountains in many places.

Hartman on way from Big Bar to Lillooet. He got me a specimen of one which he says represents a very extensive deposit & in which he wishes to see Capital invested. Rather uninteresting journey, though get a few specimens.

21. Sep. Rode up Lem Ck. valley with McIlroy, finding a parallel trail, but very steep & in a few miles rising to over 3000' above Camp. Got required information for maps, but not all morning & till 1.30 in P.M. Packed up & travelled down valley about 20 miles, getting to old Camping place, at Chinaman's ranch, just at dark.

22 Sep. Rode over hill & up Red Creek valley, with Edgar, getting back to Camp at 2.30, & remaining in Camp for Sunday the rest of the afternoon. Day fine, but generally overcast, with sprinkling rain in evening, & very unsettled appearance.

23. Sep. Travelled on down river, stopping for lunch at Black Hill Ck, & Camping about 2 m. from Lillooet, tried to get a couple of photos, near Black Hill Ck



but succeeded in difficulty well, owing
to cloudy state of atmosphere. Expended on
our plates & doubtful yet's success. Day
generally fine; a few light showers.

24 Sept. Move on to old camping place near
Lillooet this morning. Got various needed
supplies, & in P.M. travelled on to Creek at
Fountain, camping there. Found Lillooet in state
of cultivation one election of Smith for local
home. Fine day, cool in the evening. Remembers
Camping in this identical place in Autumn of
1877.

25. Sept. Leave fountain intending to get as far
as entrance of Marble Cañon by evening, but find
so much geological complication that delayed by
way & as packers had gone far ahead, decide to
continue work & do without dinner. Turn off
road into hills. Get into Camp on our collected
18 m. Creek at 6 P.M., having been entering
on the river since about 8 A.M. a very fine
day & not too warm.

26 Sept. Sent packers on a few miles to road-crossing
of Powell's Cr., in doing so crossing road a narrow ch.,
while with Edgar I rode up the mountain side &

Animals.

Mountain sheep said to frequent the mountains of Wy. Marble Cañon in the vicinity of the 'Adventure Column'.

No goats.

Rattlesnake; Indians say comes up Fraser only as far as the Big Slide a few miles above mouth of S. Vally Ck.

Int. Goats, formerly found in so called Selkirk Int. Both sheep & goats in times Coast Ints. W. of Fraser.

Elk formerly all over this County, but especially abundant about Stimp & Kawloops.

Moose no more known in this County, though found far up Coldwater.

Caribou in one place N. of Kawloops (see 'last year's notes') now gone. Are at present extending southward & found as far as mouth of Clearwater.

Ind.

Indian name of place where Indian reservation in N. Thompson 'Tuck-tuck-Kwäik' = 'red pine place' This about the most important (see former notes) place up this

Crossed over to same place. Reached stopping place at 1 P.M., & after lunch rode up the valley to correct & add to observations of ?? there. Got back to camp about 6 P.M. Another five day. Managed to get a good deal of information, but did not cover a great area.

27 Sep. Up along road to Carron's on Poullein Mt., & in P.M. on up Poullein Ch. same way, camping again among woods & out of the dust & bareness of the main river valley. Intend striking over to Munday's on Cariboo way for food, having been assured that a practicable trail. Another five day but very swishy again.

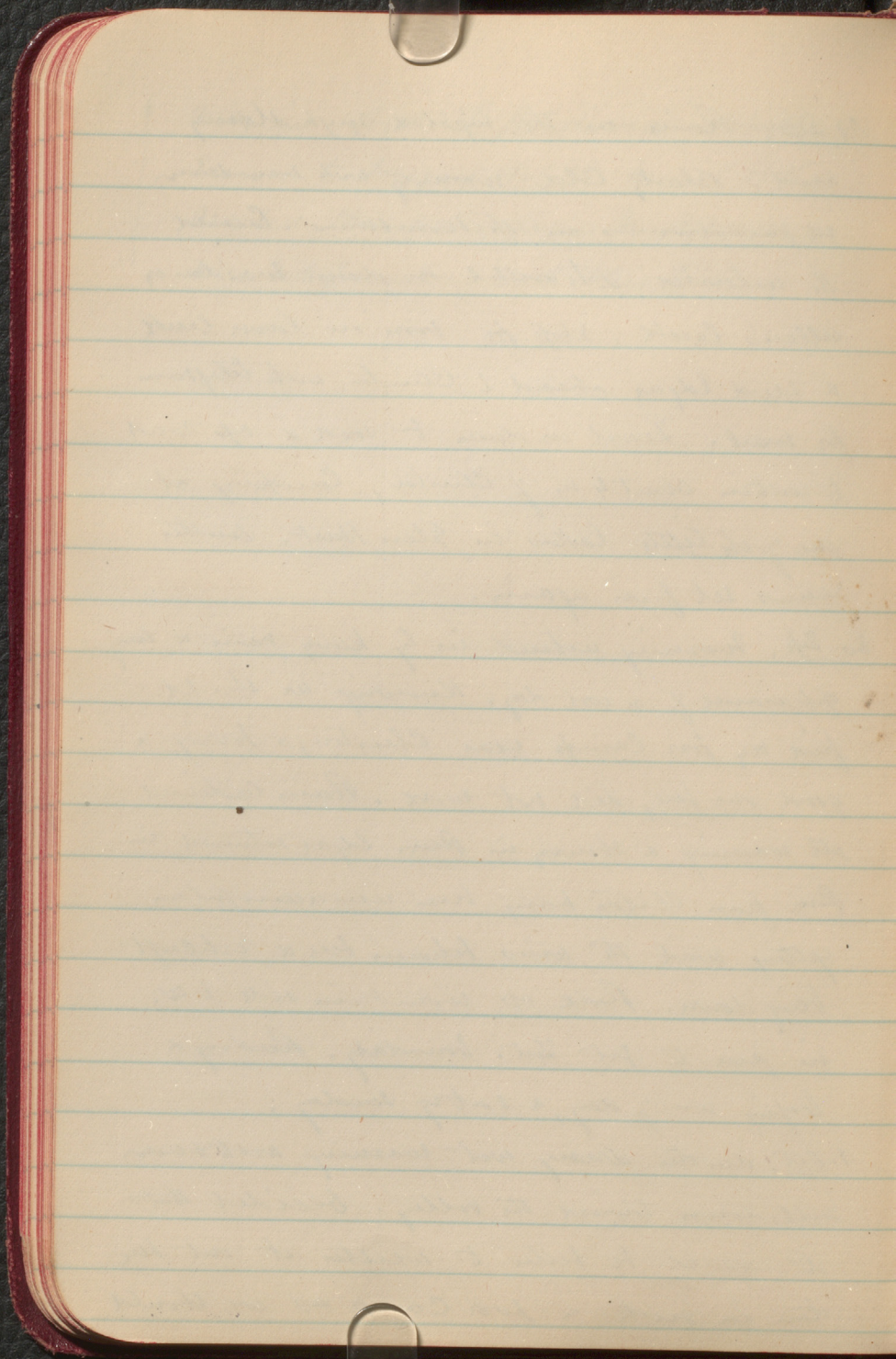
28 Sep. Traveled a few miles up Poullein Ch. to vicinity of watershed between it & Bonaparte's. Camp & spend P.M. on a neighbouring high point about 1000' above camp, sketching a Warming Country, warming doubtfully looking & P.M. hearing a living gale making it very unpleasant on the mountains. Bad weather seems to follow us on all our high points. Looks like rain or snow this evening. Saw three deer this afternoon but did not get a shot at them.

211 in which *P. ponderosa* occurs,
Seems to suggest that the present Indians
reached this place from northward &
were not familiar with this tree,

29 Sep. Rain in the night & rough stormy
wind. Blustery Cold warming with new snow
not far above us on the mountains. Crossed
the watershed & travelled on down swades of
Allen's Creek. Stop for noon on Lower Creek
& send Edgar ahead to Clinton with telegram
for mail. Traveled on down to road & off road
to within about 4 m. of Clinton, camping at
one of the little lakes in Glen Hart. Weather
seems set fair again.

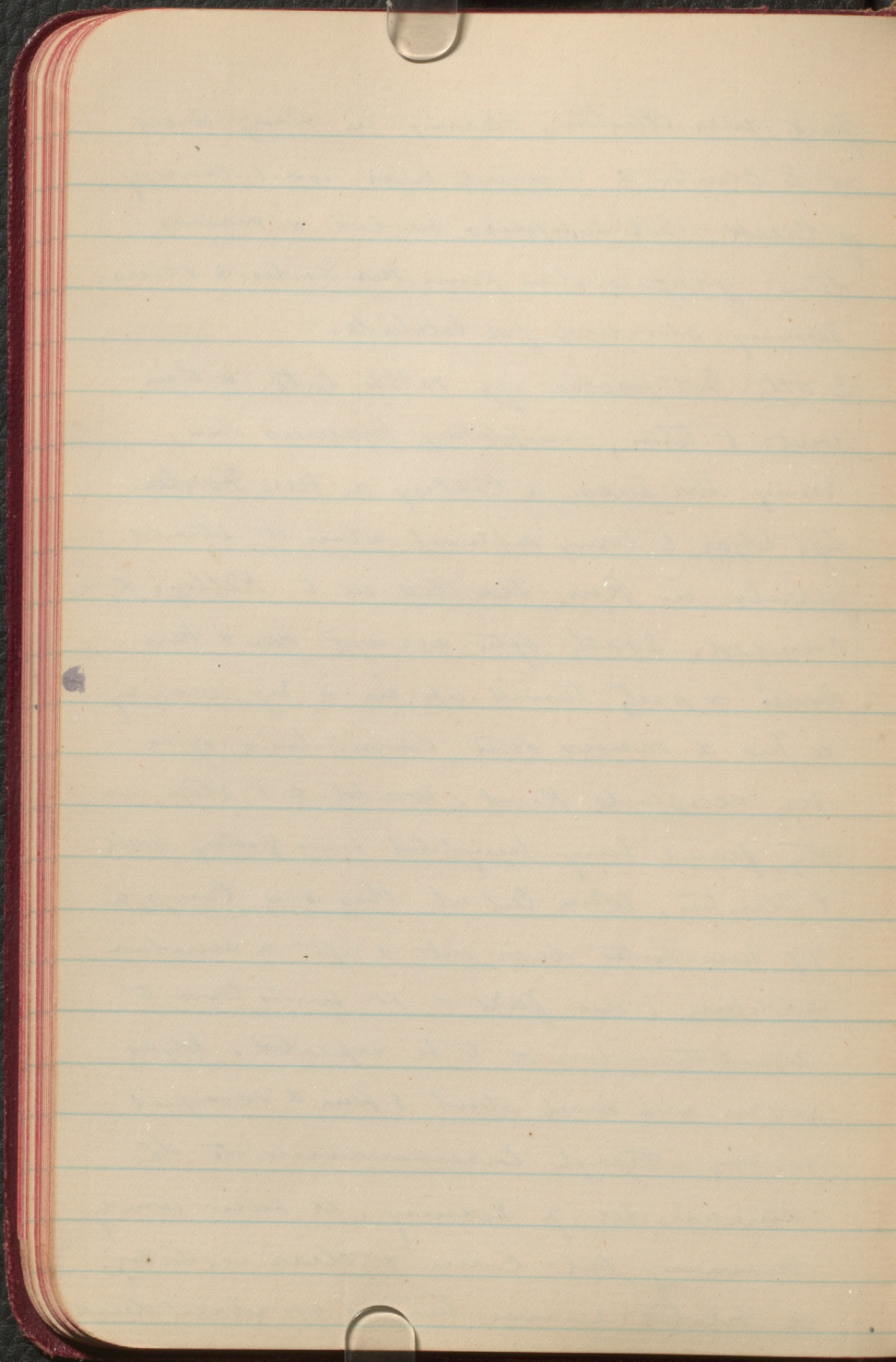
30 Sep. Morning ushered in by heavy rain & long
appearance of a wet day. Knowing we should
find very poor Camps near Clinton, & having a
good one here, did not move. Rain continued
all morning & shower in P.M. Edgar returned in
P.M. from Clinton having been unsuccessful in
getting mail the wires between here & Ashcroft
being down. Rode up mountain side to W,
in p.m. to get Tert. boundary. Reading &
loafing mostly day, a sabbath Sunday.

1. Oct. another dreary wet morning with snow
well down toward the valley. Decided that
it would be better to weather it out here
than in such a poor Camp as we should



find near Clinton. Clearing in Run, wood
on to Clinton & camped near road-crossing
of Creek. Got supplies needed & various
items of information from Mr Foster & others.
Evening observed for latitude.

2. Oct. Got packs off rather late, & then
went to town, completing business there,
seeing Mr Sues, & calling on Mrs Foster.
Left Edgar to bring out mail when it should
arrive in Run, Lunched on to Kelley's &,
Camped. Shortly after arrival Mr & Mrs
Foster & party turned up in a rig, bringing
a pie & various other contributions of a
very acceptable kind. Would not stop as
they feared being troubled before getting back
& Clinton. When out at this very Camp, in
77 Mrs Foster drove out & left a similar
addition to our fare - so wants tend to
repeat themselves or to be repeated. Edgar
got in with mail about 3 Run, & occupied
looking through correspondence etc etc
Remainder of evening. A heavy windy
morning, but calm & clear in the day,
a belated river turned up about dusk



with a weary horse & shared supper
with us.

30 Oct. Rode southward on wagon road
up Pavilion Mt, & connected to South with
James traverse. Got back to Camps about
4 P.M. Day cool & moist, misty with
occasional light showers & by no means
entirely pleasant. Lacey looked through
a lot more of our papers.

4. Oct. a fine day, Rode out down Kelly Ck
as far as road goes, then tie up horses & clamber
down to the now abandoned stamp mill etc. A
slopy stairway at one time made, but now
much broken by falling rocks from the precipitous
upper portions of the very rough gorge which here runs
down to Fraser. Had to descend one little cliff
by the aid of the rope formerly used for sliding the
wreckage etc down to the mill on ways. Returned
up the valley to point where rocks had been
dropped to stop for dinner, & in afternoon
followed trail across a low divide & down
by numerous zig-zags to Fraser R above Kelly Ck,
on a few miles up Fraser, Camping at mountain
gulch opposite Leon Ck, the only available place

on n. side of Kelly Ck, about 2 m. up
from Tracer & at about 2000' above it, follows
gold & silver bones very numerous. Evidently
an important old winter village & must have
had a numerous population. Has been long
abandoned & in a ~~about~~ old hollows
large trees growing, indicating an age of
at least 100 years. Told that the Indians
formerly packed their Salmon up here for the
winter. Good water, plenty wood, good
Southern exposure & shelter, with probably
good chance for hunting deer in the
neighborhood, evidently rendered this a
peculiarly ^{desirable} ~~favorable~~ locality, on the latter
valley followed down by trail N. of Kelly Ck
(evidently the way up to upper village) two
somewhat extensive Colonies of a like kind
indicated, & both showing similar signs of
great age.

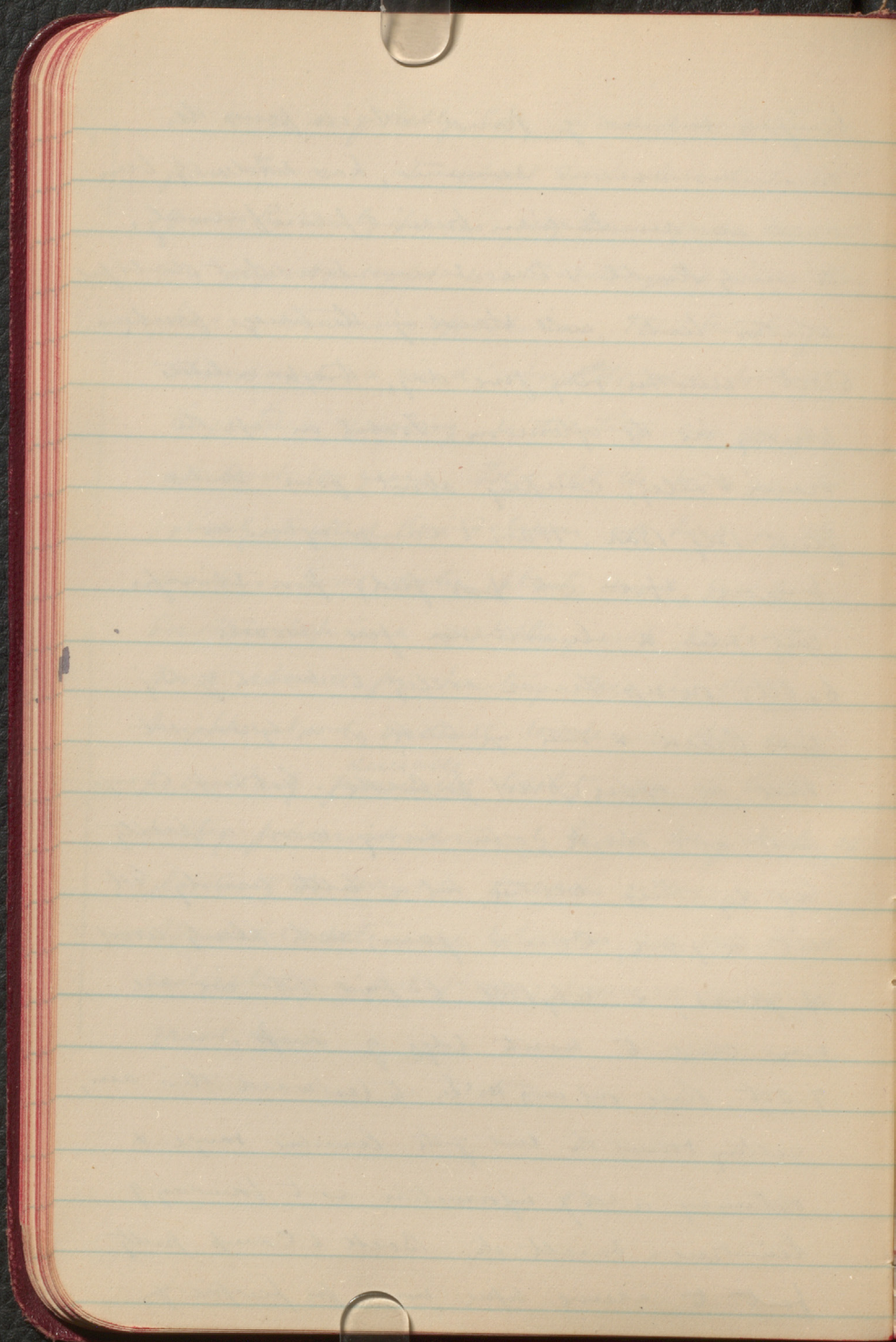
Ind.

being a mound of sand which from the numerous ossens remains, has evidently been used as an Indian burial place formerly. A windy Knoll where seems somewhat doubtful whether tents will stand if the breeze freshens.

5 Oct. Another very fine day, though a little windy in the afternoon. Travel on up the Fraser Valley, camping about four miles from Big Bar. Have to camp again in a barren spot with poor feed, poor straw for tent poles & almost no fire-wood.

6 Oct. on up Fraser valley to mouth of Big Bar Creek & then up Creek & on by road to hill on upper part of Creek. Got into camp just at dusk, after having made a pretty long day. Fine weather, but a little windy. Got into a good camp again, with plenty wood & grass, & delighted to find that we are now close to north edge of map.

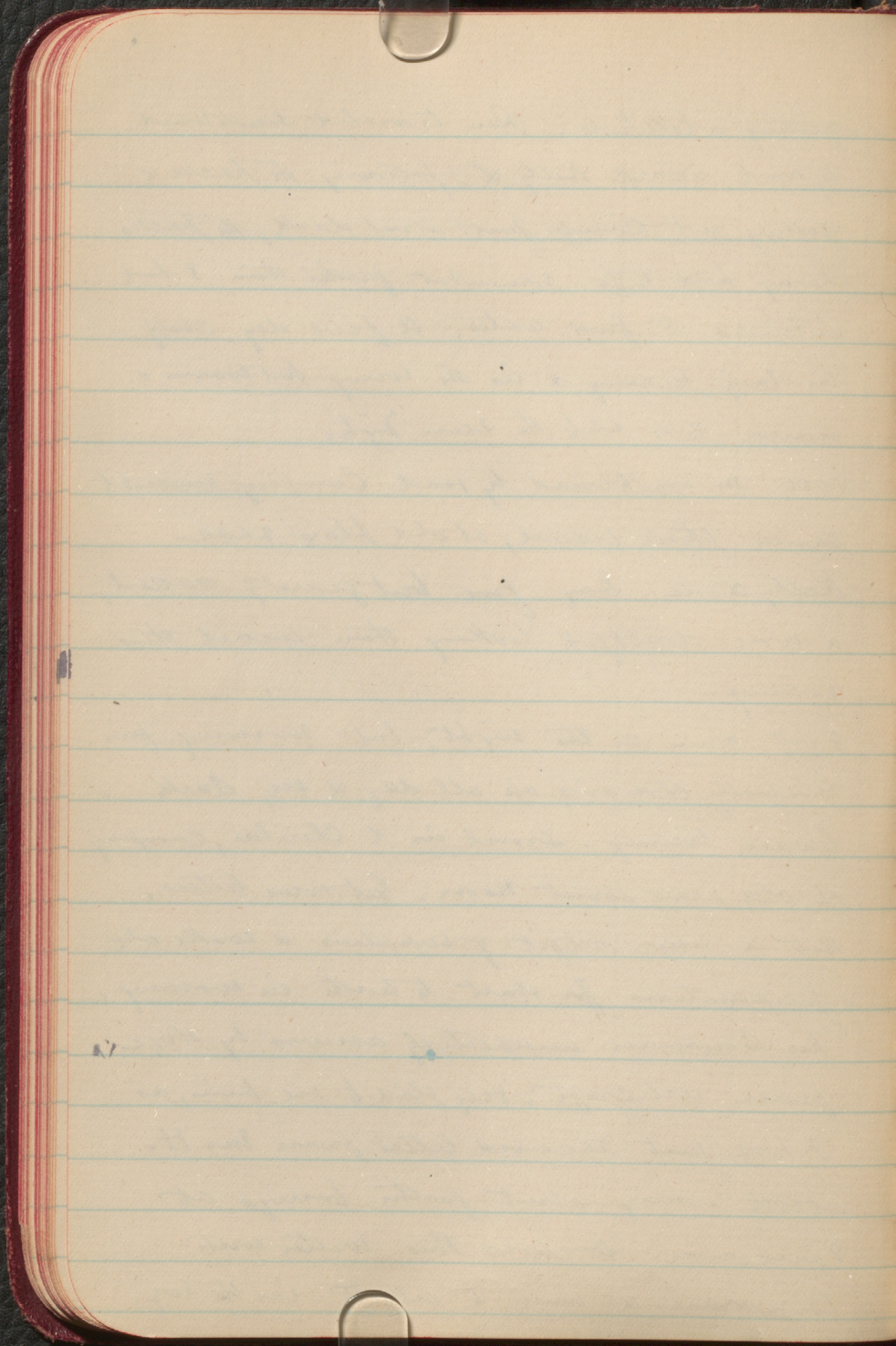
7 Oct. Rode out into M.E. to eastward this am, getting toward the end of the Limestone range & obtaining a lot of information as to boundary of limestone & basalt etc. Back to camp pretty fast to arrive before noon for purpose of



getting a latitude. Ben travelled southward
by road toward Kelly L., following the packs &
getting into camp just about dark, the packs
having had to go somewhat further than I had
intended to find water. A fine day, chilly
in early morning & in the evening but warmer &
summer-like while the sun is high.

8 Oct. On southward by road, camping somewhat
earlier than usual, at old place near
Kelly Lake. Day fine but generally overcast,
& more doubtful looking than usual this
evening.

9 Oct. Rain in the night, but morning fine.
Gradually clouding up all day & very dark
toward evening. Drove in to Clinton, camping
at old place about noon. Got some letters.
Got a new outfit of supplies & make all
preparations for start to north in morning.
Mr Bowman unexpectedly arrives by stage
from Ashcroft. Very glad to see him, as
I have just received letter from Mr H,
Abbott asking about further business at
Vancouver. Discuss this matter with
Bowman & write to Abbott in the eve.



Call on Mrs Foster & on Mrs Lees in afternoon.
10 Oct. Very heavy rain all night & continued
this am. Showery all day, incant & cold
with mountains all covered with mist.
In Pm ride some miles up on high land
between Glen Hart & Benoparte. Make
arrangements for an Indian to act as guide
in country to north, as some difficulty to
be anticipated in traversing it & loss of
time at least if we should trust to
ourselves.

11 Oct. Indian guide Bo-lak turned up all right
this morning. Got away from camp rather
late & travelled north-westward up on Green Lumber
plateau along base of limestone range. Stop at
crossing of Clinton Ck at base of range & decide to
camp there & find Pm up the valley, which
wide & important. Get back to camp at
dusk. A cold gloomy day with raw wind,
but seems clearing up well this evening.

12 Oct. Traveled a short distance along base
of range this am, spending some time on a
little hill from which good view. Pm travelled
out north-eastward over the plateau, our

Boundaries of Lillooet Indians. (See in
this Convention notes of last year)

Down Fraser as far as ~~about opposite~~ mouth
of 'Three Lake Valley Creek'. Include villages
on Powell's Cr. near road-crossing, but
Bob's village ^(named Blueface) in Fraser (E. side above Powell's)
is Shushwaps. Clinton & Big Bear Cr.,
Indians Shushwaps. Lillooet only on
W. side of Fraser all way up to Chilcotin
County.

On W. side of Fraser Lillooets come down
to opposite 3 Lake Valley Cr. County includes
Secton L., but not Anderson & Harrison
Lakes. Shushwaps cross the Fraser to N.
of Lillooets & the County opposite Bob's
village & northward to Chilcotin County
is theirs. They thus intervene between the
Lillooet & Chilcotin.

Formerly the Kamloops Indians buried
in a sitting posture, the dead wrapped
in a deer skin. Never burnt the dead.
The Chilcotin Indians frequently burnt
the dead on a pile of logs, when death

guide arriving us that County near base of
mts. very bad going. Camped at a nice little
meadow with good feed for horses.

13. Oct. Continued following Bo-lak in a north-
easterly direction getting further & further from
base of mts., somewhat to my annoyance.
Reach Beaver Dam Lake at noon. Observe
for lot. Run travel on at good pace on
excellent trail, camping at south end of
Big Bear Lake. See several deer today &
one shot by Bo-lak. Beautiful view over
the lake as we reach it at camping time, &
Jim while down getting water discovered
deer hidden in brush. Deer chased into
lake & followed by two dogs which an
Indian camped near had just arrived
with. Exciting chase, the deer being finally
killed in the lake by the dogs. Very fine
day, but clouding up rather threateningly
this eve.

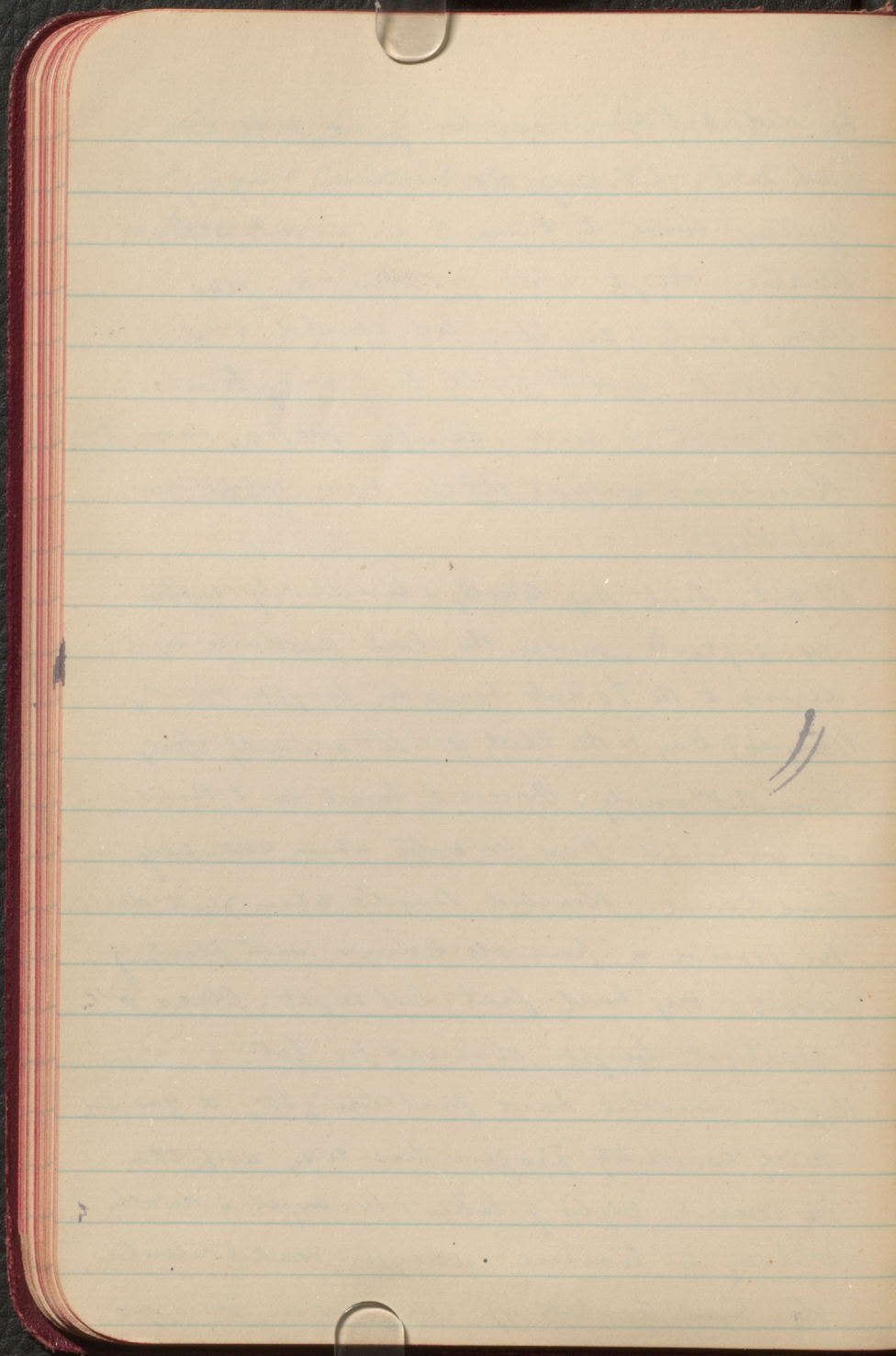
14 Oct. Rain & storm in the night &
drizzling rain & sleet with wind this am,
keeping us in camp. Run sent Bo-lak
out to retrace trail to eastward, which

occurred far from home. The articles
Carefully collected, carried home &
buried.

he did not seem very sure of, & rode down
with McE., to base of mountain range,
getting back to Camp in about 5 hours.
Clearing through chills in Sun & fine
clear frosty night. We should now
be able to travel pretty fast along trails
over barret & such simple tracks, back to
Rawlroops & shall not be sorry when we
get there.

15 Oct. Left Big Sandy, & travelled by rather
zig-zag route, under So-Lo's guidance right
across to the 70 mile house on Waggon Road,
(Boyd's) Day rather chilly & not generally clear,
somewhat windy. Forced to travel on to Boyd's
as we could find no water when camping
time came. Reached Boyd's when quite dark
but found a possible camp, with plenty of
wood. Very hard frost last night. Clear &
starlight tonight. Observed per lot.

16 Oct. Another hard frost tonight, & ground
pretty completely frozen this morn., with thin
ice round edges of lakes. Arranged to detach
McLoy to traverse Waggon road to Clinton
etc. Sent So-Lo off to accompany him, as



he (Bar-let) appears to be of no further use
to us. Travel to end of Green Lake & in P.M.
find old H.S. Brigade trail & travel by it
on to Bonaparte R. getting into Camps
just before dark. Day fine & pleasant, though
cool.

17. Oct. Rode with Leger up Bonaparte valley about
4 1/2 miles to North Fork, & returned to Camps 12:30.
Morning foggy & thick, chilly, & did not clear off
till about 10 am. Run very fine. Travelled 6 1/2 mi.
down along river trail, camping about 100' above
the river, on a little hill.

18. Oct. on down valley to mouth of 'The Chasm',
stop for lunch & get a photo. Run, rode off
along the Chasm, sending packs on to Camps
near mouth of Clinton Ck, where it joins
the Bonaparte. Got into Camps just before
dark. Morning foggy again & nearly 11 o'clock
before it cleared off & let the sun shine
through. Run very fine & a fine clear
starlight night. Magnificent wild scene
the Chasm, with basalt cliffs bordering, much
grander & more varied in nature etc. than
had any idea of from seeing ^{any} ^{before} ^{on} ^{road.} ^{from} ^{seeing} ^{before} ^{on} ^{road.}

Story of origin of obsidian or 'arrow stone',
~~afterwards~~ Kwil-e-älst, who had
come from Shashwop & way & was travelling
up Navapante when Klö-i'-sa & Took-in-
in-älst' endeavored to kill him by kicking
down rocky bank on him, Kwil-e-älst
put on a little hat or helmet & passed
unscathed. This occurred just opposite
mouth of Hot Ch. Finding Kwil invulnerable
the others formed partnership with him
as noted last year. After this they decided
to go in quest of arrow stone (Tshā-tshum)
which belonged to two old women somewhere
near Tack Ch. They told the old women
privately that each said so & so expecting
the other till they became angry & began to
fight & while they fought the obsidian fell
out of their clothes or bodies (they appear to
have been stuffed with it) in great quantity,
then they told the women they had been
deceiving them for a purpose. The women
then said why did you not tell us at
once what you wanted & we should have

19. Oct. Rode back a short way to see rocks
passed after dark last night. Then on to
Clinton. Got needed supplies, & sent packs
on to old Camp in Glen Hart. Called on
Mrs Foster & Mr Sues etc & rode out to
Camp. Indian Bo-oke sent off to bring
back part of a supposed meteorite found
by him, had brought in a piece of mica!
upon which all his story had been founded,
Cursing much, however, another story of
a meteorite having been seen to fall, very
circumstantially given by Silvel Stone driver
& others & Mr Sues promises to look into
the matter & report.

20 Oct. on down wagon road, camping about half
a mile below Hat ck. Examined rocks along
road & rode some way up hill to SW, looking
for Int. edge. Got into Camp just before dark.
Fine day, but chilly & fog hanging overhead
till noon.

21. Oct. on down wagon road, stopping for
lunch on Cöcke ck, then up Cöcke ck &
Eastward by Pass valley toward Deadman
R, camping near Rattlesnake Lake, as

given it to you? They then drew out
boxes full of good pieces of skin &
apparently finished arrow heads etc as
well & gave to them. Whereupon the three
heroes scattered the material over the
County as it is now found.

Ind.

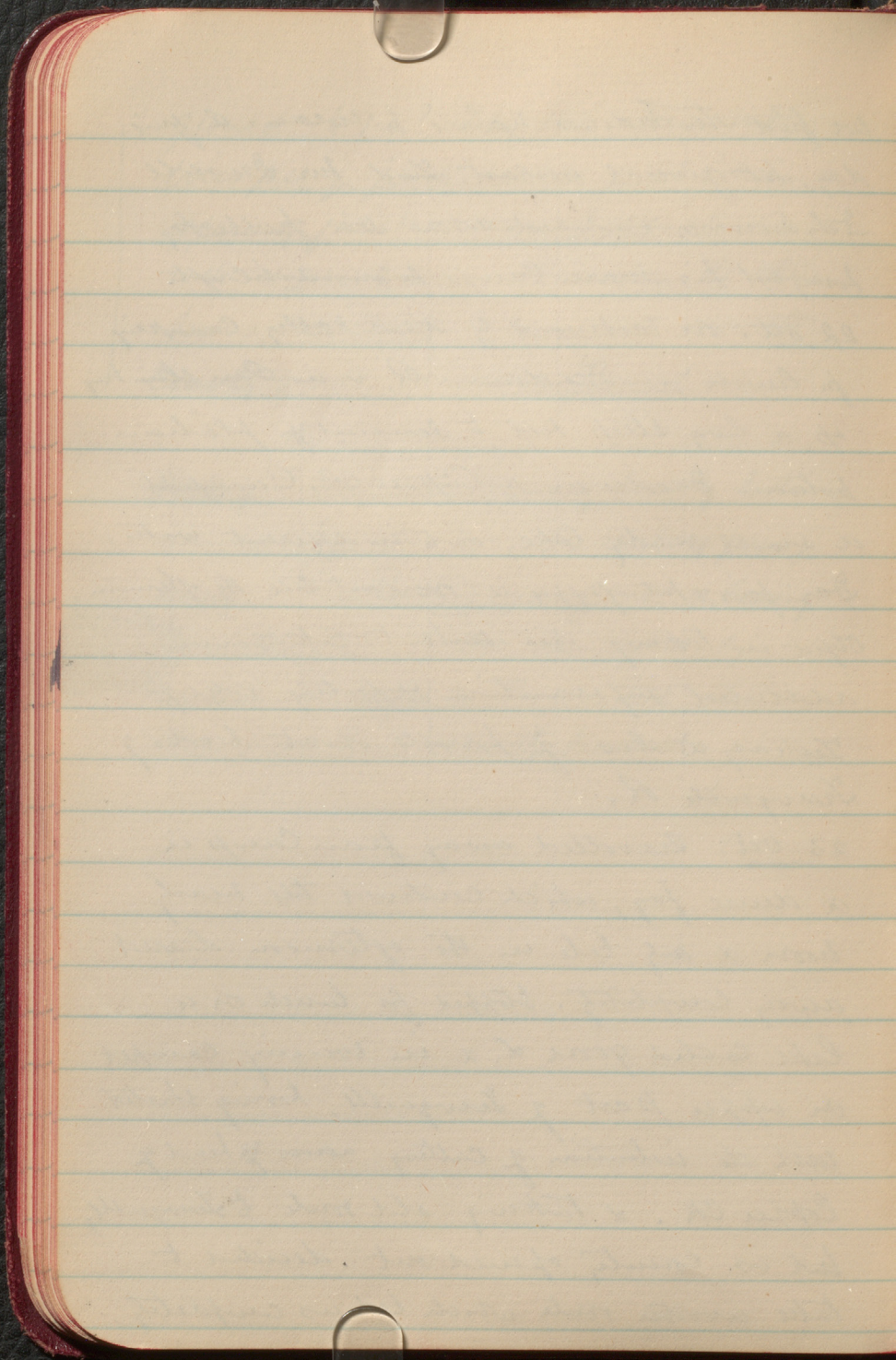
Bark of *P. ponderosa* formerly used by Indians
when on war expeditions for making fires,
owing to its property of going out & leaving
no tell tale embers or ashes by
which it might be known that the
war party had recently passed

We find the Indian name to mean a fair day, but generally overcast. Find Mr Driscoll & L. Surveyor Camped where we pulled up, Long left his main Camp below ashercroft.

22 Oct. on eastward by Pass valley, camping for lunch on Deadman R, & in P.M. climbing up a long steep hill to summit of plateau between Deadman & Copper Ck. Camped at a small dead lake, with in different water.

Day fair, but foggy & overcast till the afternoon. Object in taking this route, to get some additional information respecting edge of Tertiary & also if possible about heads of Tranquille R.

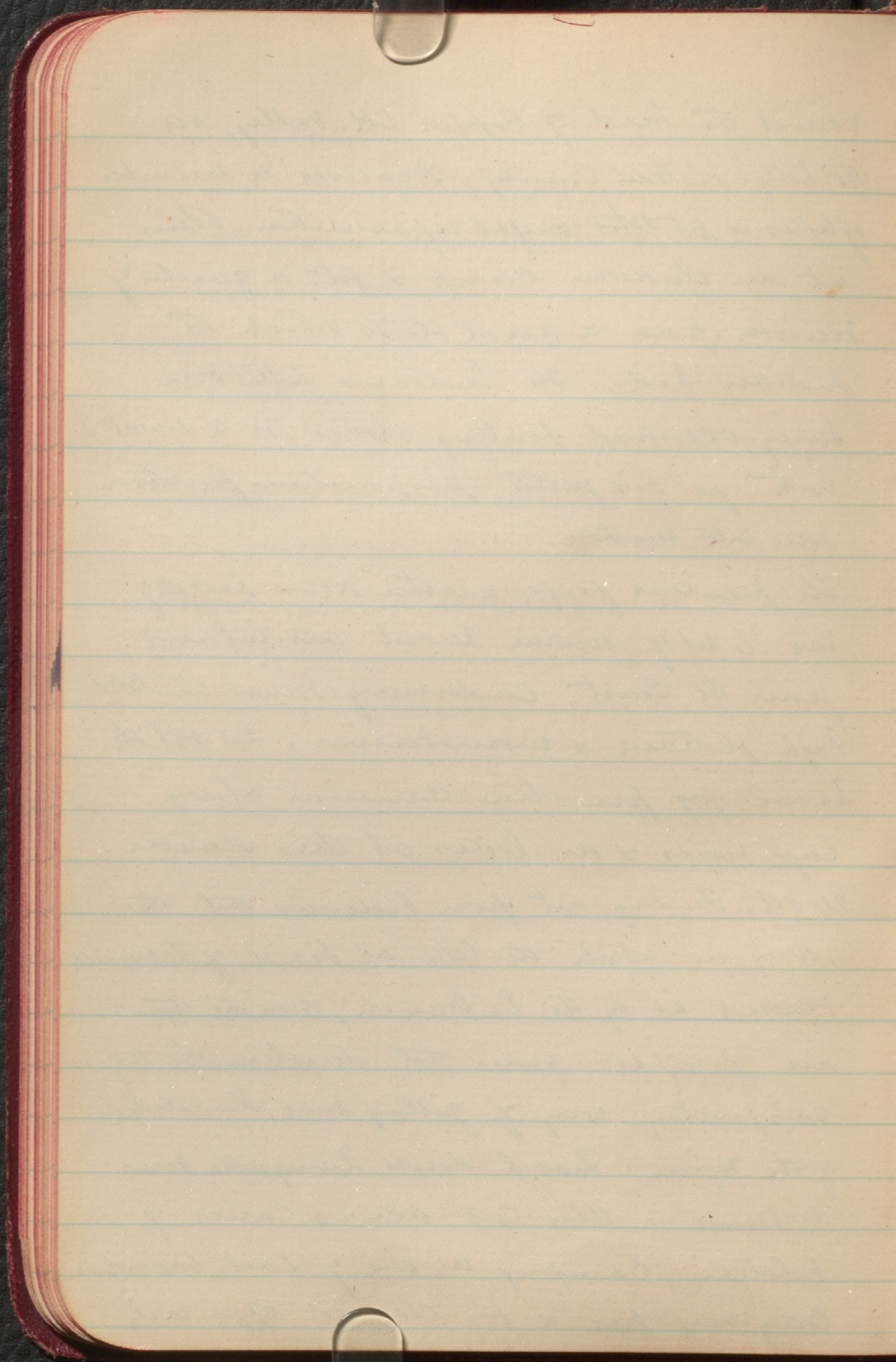
23 Oct. Travelled away from Camp in a dense fog, which continued till nearly noon & at last in the afternoon cleared away completely. Stopped for lunch on a lake called Goose L. & in evening camped on upper part of Tranquille, having started with the intention of cutting across head of Copper Ck. & taking old route to Tranquille, but as country opened out, decided to take another route which led us completely



round the head of Copper Ck. valley, over
the high plateau country, discovers a number
glazes & get other useful information. Runs
into an Indian camp & get a quantity
venison from a great stock which the
Indian had. The Indian's little son
being occupied beating stones for a sweat-
bath for his father, preparations for which
were all made.

The peculiar foggy weather seems probably
due to set of warm moist air inland
from the Coast, condensing toward the high
plateaus & mountains. Is not the
usual fog production common along
large rivers & on lakes at this season.

24 Oct. Finding out from Indians that the
way in which the lake at head of Tranquille
drained into the E. branch, decide that
an inquiry from that direction the only
satisfactory way of getting some knowledge
of the region. Travel down Tranquille some
distance & then cut across corner of
plateau, camping on one of East branches.
Day very fine & fog cleared off early

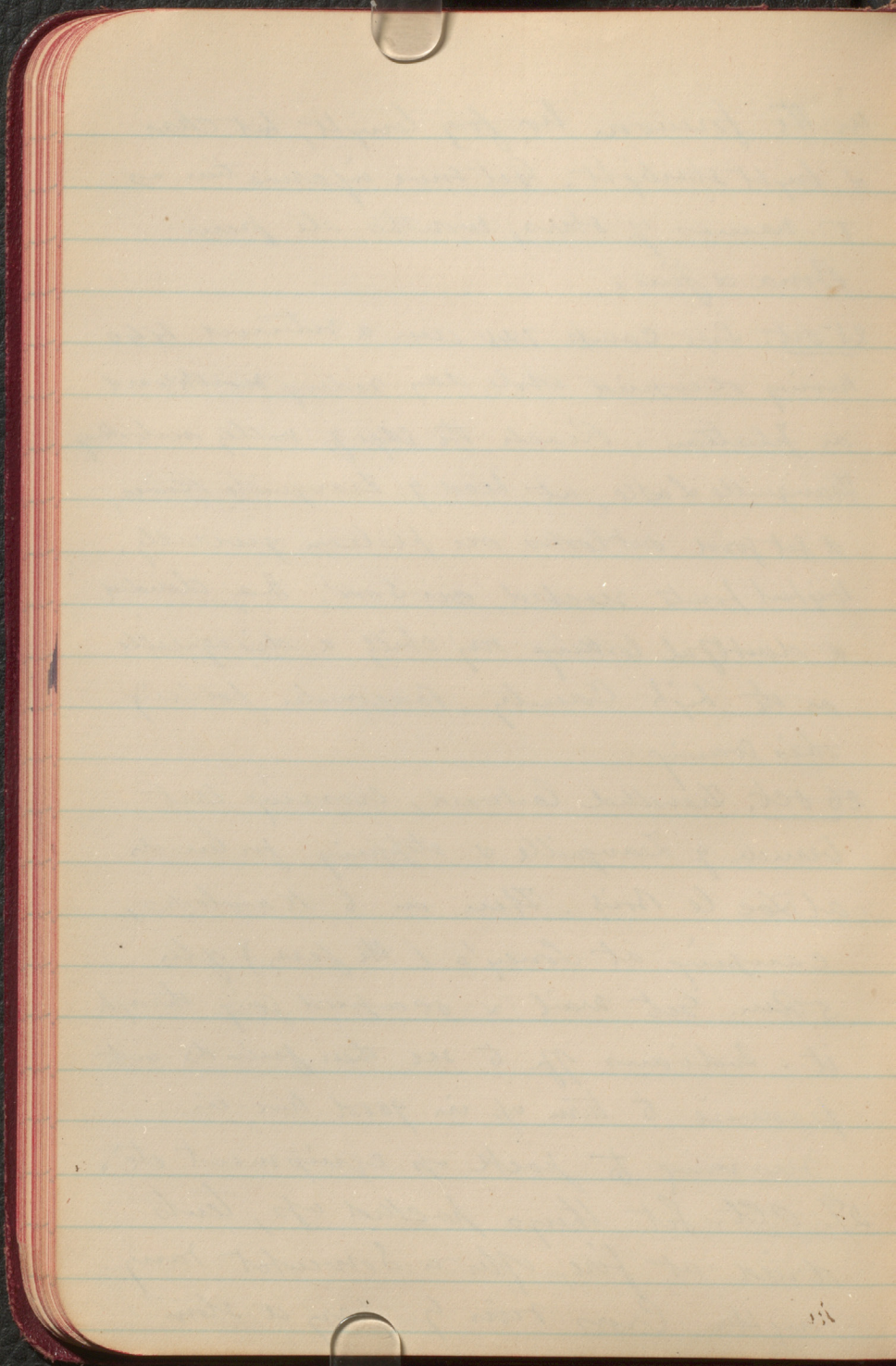


in the forenoon. No fog tonight, but clear
& bright starlight. Get some information as
to names of stars, constellations etc from
Oma & Jim.

25 Oct. Left Camp 7:45 am & returned 4:40
having occupied whole day riding northward
on plateau. Reach the edge of valley overlooking
Tranquille Lake, at head of Tranquille River,
& get good outlooks over plateau generally.
Highest points reached over 5000'. Day clouded
& doubtful looking very chilly & disagreeable
on the high Country. Barometer falling
this evening.

26 Oct. Travelled eastward, crossing east
branch of Tranquille & stopping for lunch
at Lac le Bois. Then on to Kauloos,
camping at Loney's (the ferry) after
5 pm. Get mail & occupied going through
it. Indians off to see their friends with
promise to turn up in good time in
morning to pack up equipment etc.

27 Oct. Get things packed up, tents
dried at fire, after a somewhat rainy
night. Cross river by ferry & start



Away equipments in Ware's warehouse.

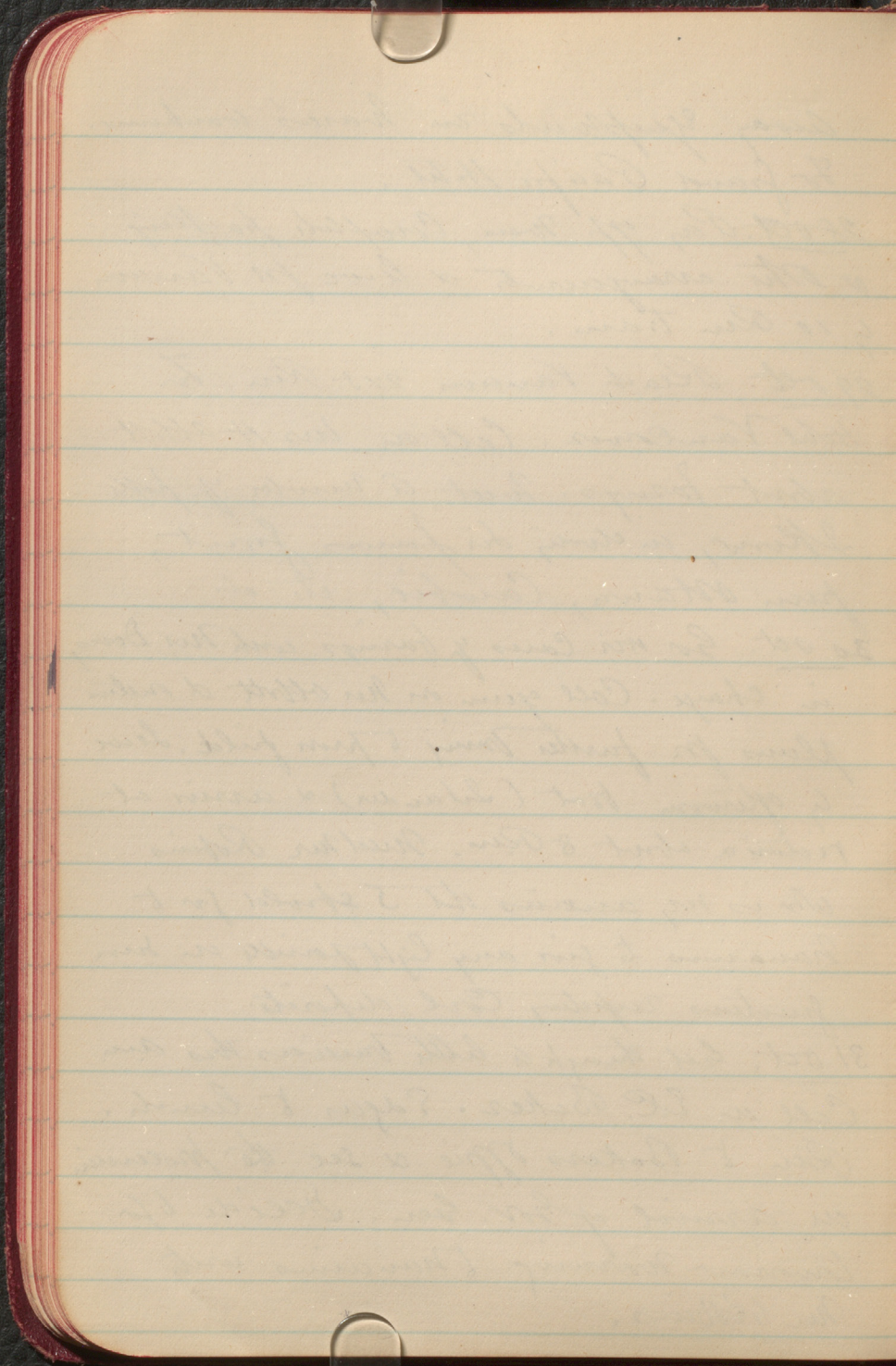
To Grand Pacific Hotel.

28 Oct. Pay up men, complete packing
& other arrangements & leave for Vancouver
by 10 Am train.

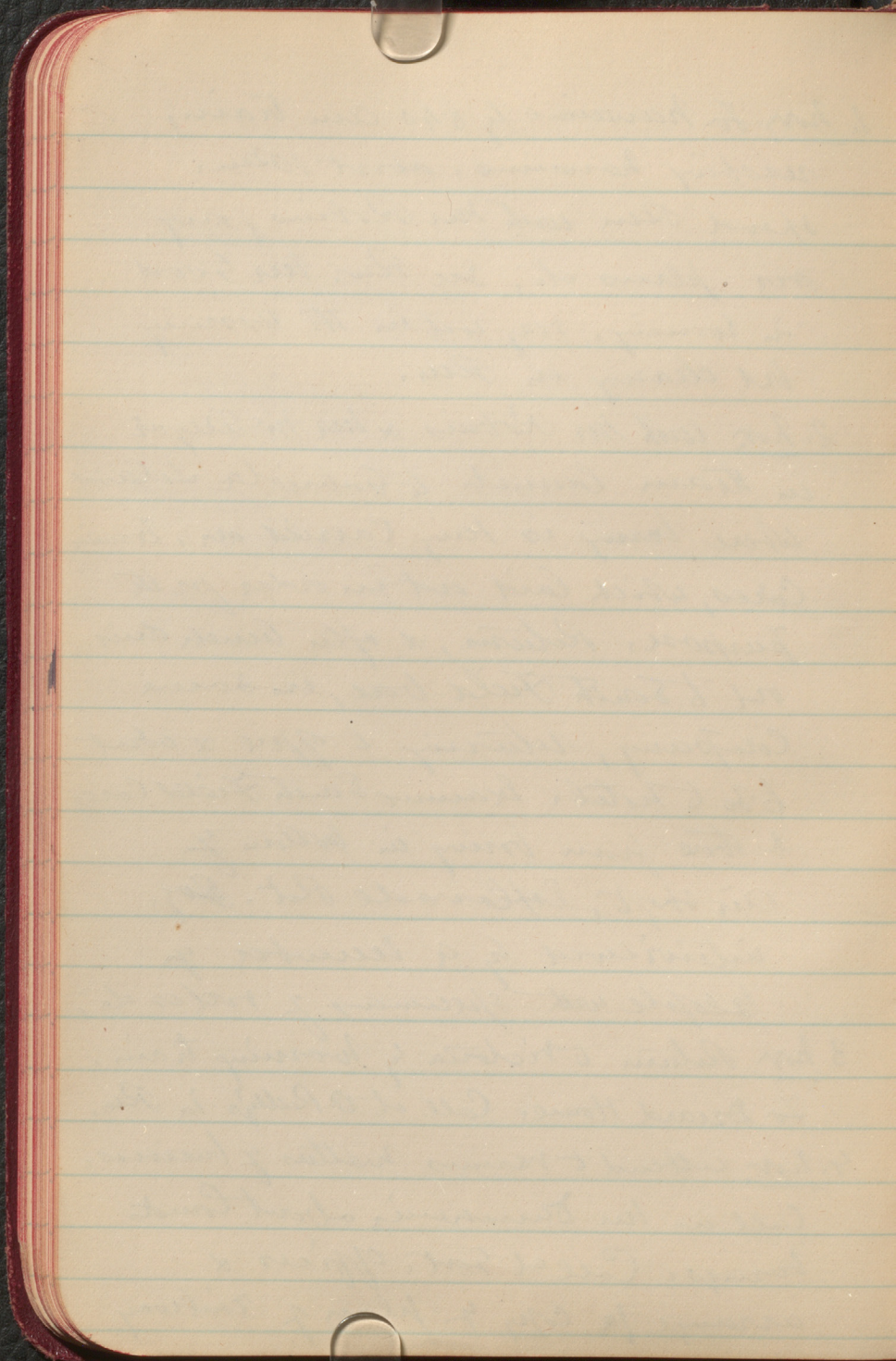
29 Oct. Reach Vancouver 2:15 Pm. To
Hotel Vancouver. Call on Mr H Abbott
about barings. Meet a number of people
I know, including Sir James Grant,
from Ottawa, Cowbell, etc. etc.

30 Oct. Go over cases of barings with Mr Davis,
in charge. Call again on Mr Abbott & outline
plans for further mining to prove field. Leave
by afternoon boat (Islander) & arrive at
Victoria about 8 Pm. Meet Mr Robins
who is very anxious that I should go to
Nanaimo to give any light possible on some
questions respecting Coal deposits.

31 Oct. Get through a little business this am.
Call on E.C. Baker. Edgar to lunch.
Rm to Baker's office & see the proceeding
on arrival of Gov. Gen. Decide to go
tomorrow morning to Nanaimo with
Mr Robins.



1. hor. To Hanaimo by 840 am train, receiving Hanaimo, about 10 am; spend 2 am with Mr Robins going over plans etc; See Rev. Mr Good in evening, very wet in the morning but clearing in P.m.
2. hor. took Mr Robins & Mr McGregor in steam launch to Gabriola Island where boring is being carried on, examine Cores, which laid out in order for the purpose, Return, & after lunch drive out to South Field bore, in same Company, returning to office & about 6:30 to hotel. Examine South Field Cores, & bore from boring in bottom of air shaft, Esplanade Pet. Coy. interviewed by a number of people with specimens of rocks etc.
- 3 hor. Return to Victoria by morning train. To Driard House. Call at O'Reilly's in P.m.
4. hor. attend to various matters of business. Call on Mr Dummeris about Combs borings. Call at Govt. Offices & arrange for copy of plan of railway



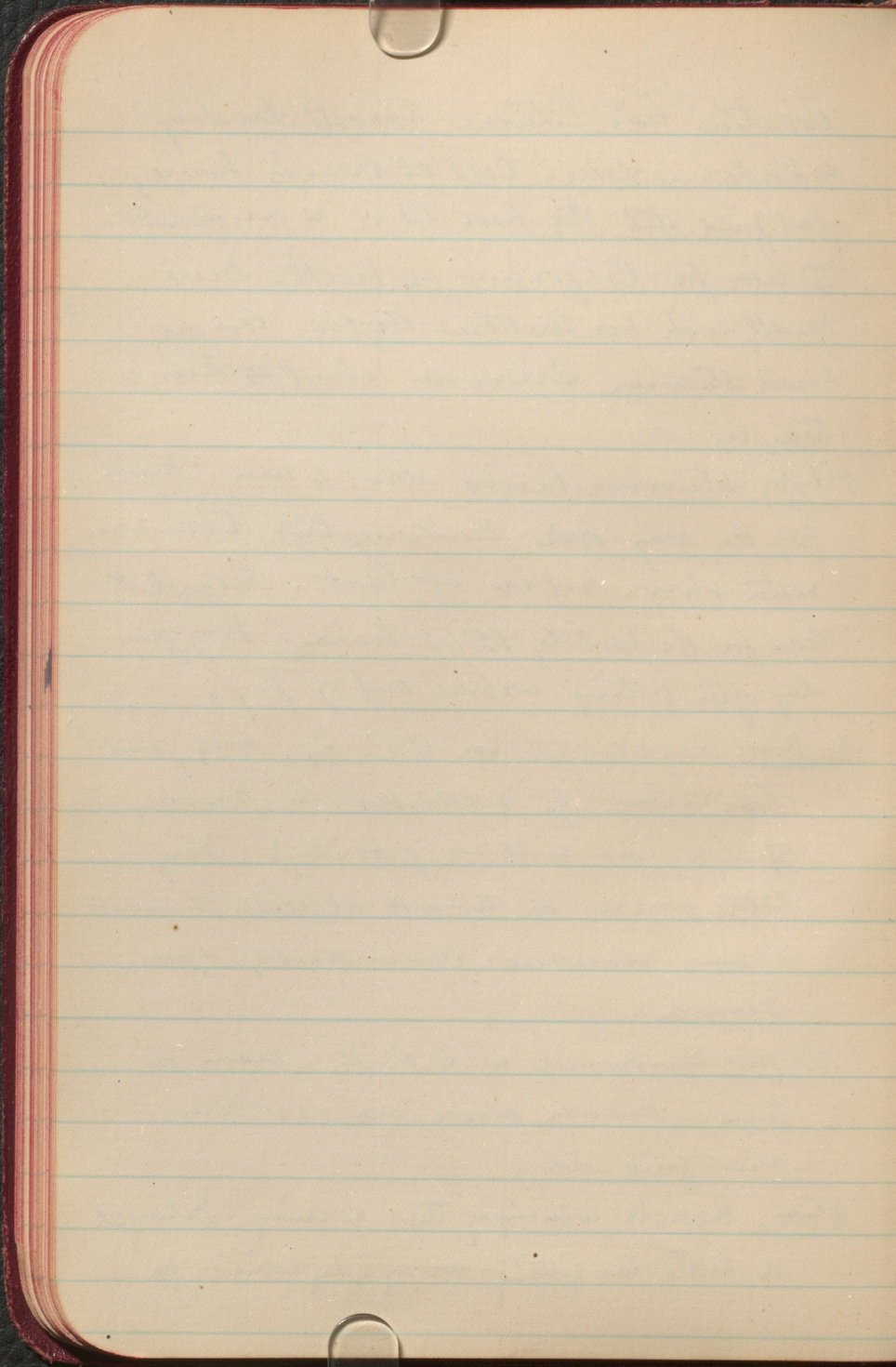
Locators live between Sproats' Landing
& Kortum Lake. Call at O'Case's home,
but find that they have left it & are about
to leave for California for health. Dine
quietly with Sir Waltham Bepie. Go on
board steamer Selander about 10 P.M., &
turn in.

5 Nov. Steamer leaves about 4 am. Much
fog in way over tendering trip to Vancouver
rather slow. Get in at last. Lunch &
leave for the East by 12:45-train. Very fine
day after getting ashore out of fog.

6. Nov. Eastward on C.P. Ry. very good
clear view of Selkirks in passing
through, as well as of Rocky's. Very
little snow on track at either summit
& none elsewhere. Remarkably open
season.

7. Nov. Eastward on C.P. Ry. Train on
time. Reach Moonjawn 9:55 P.M.
Very fine day.

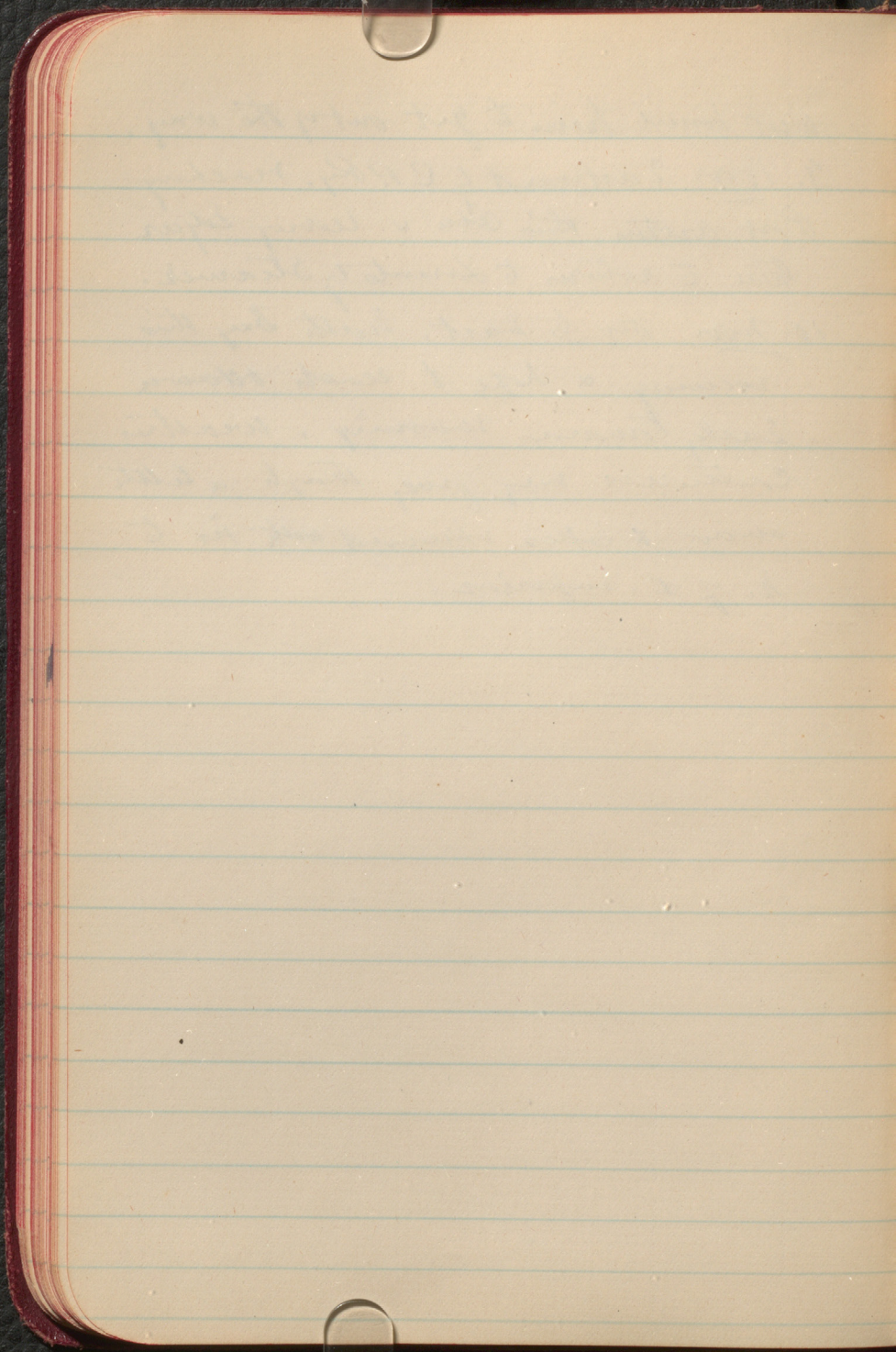
8 Nov. Reach Winnipeg this evening. Delayed
a little in getting away, by waiting for

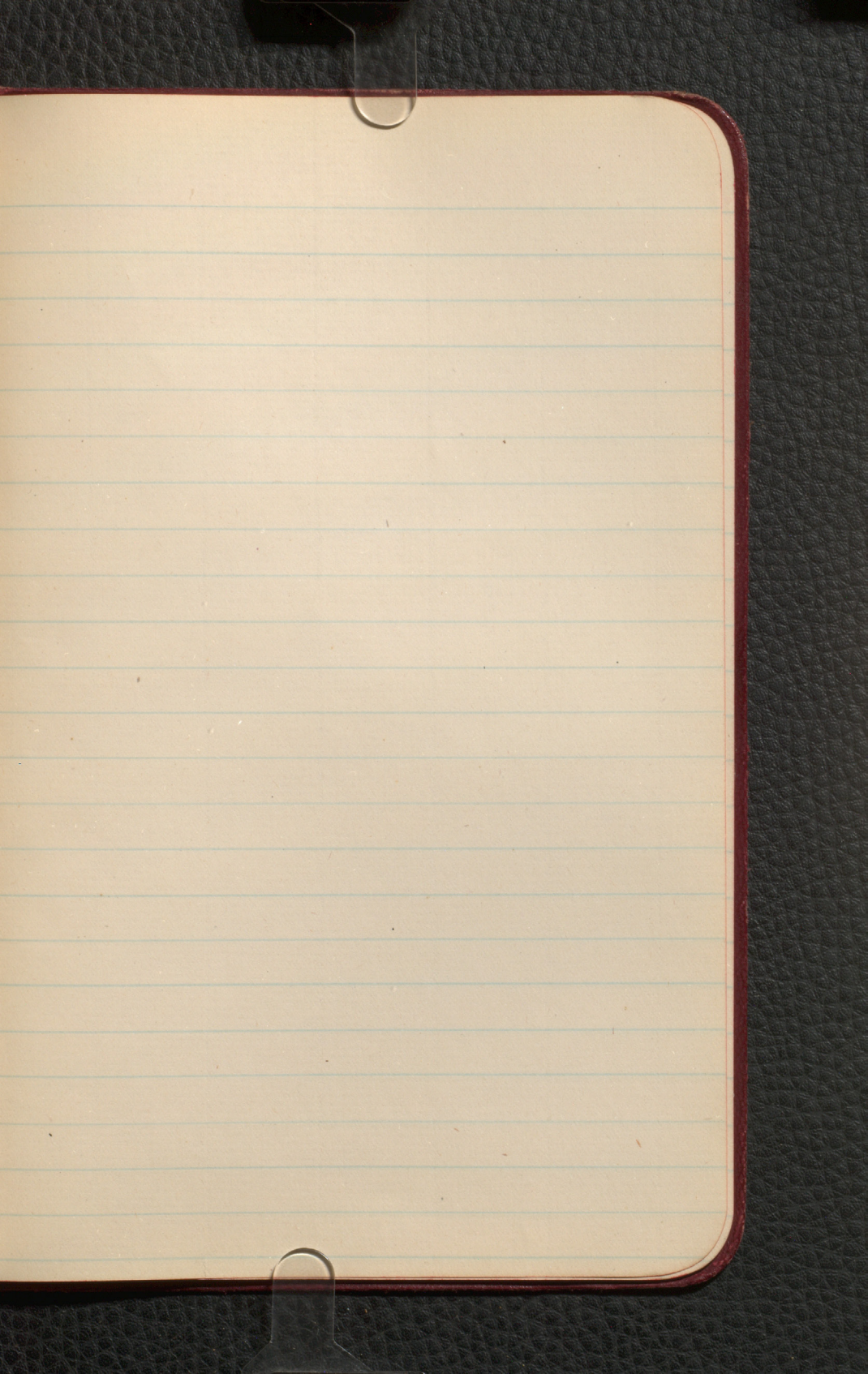


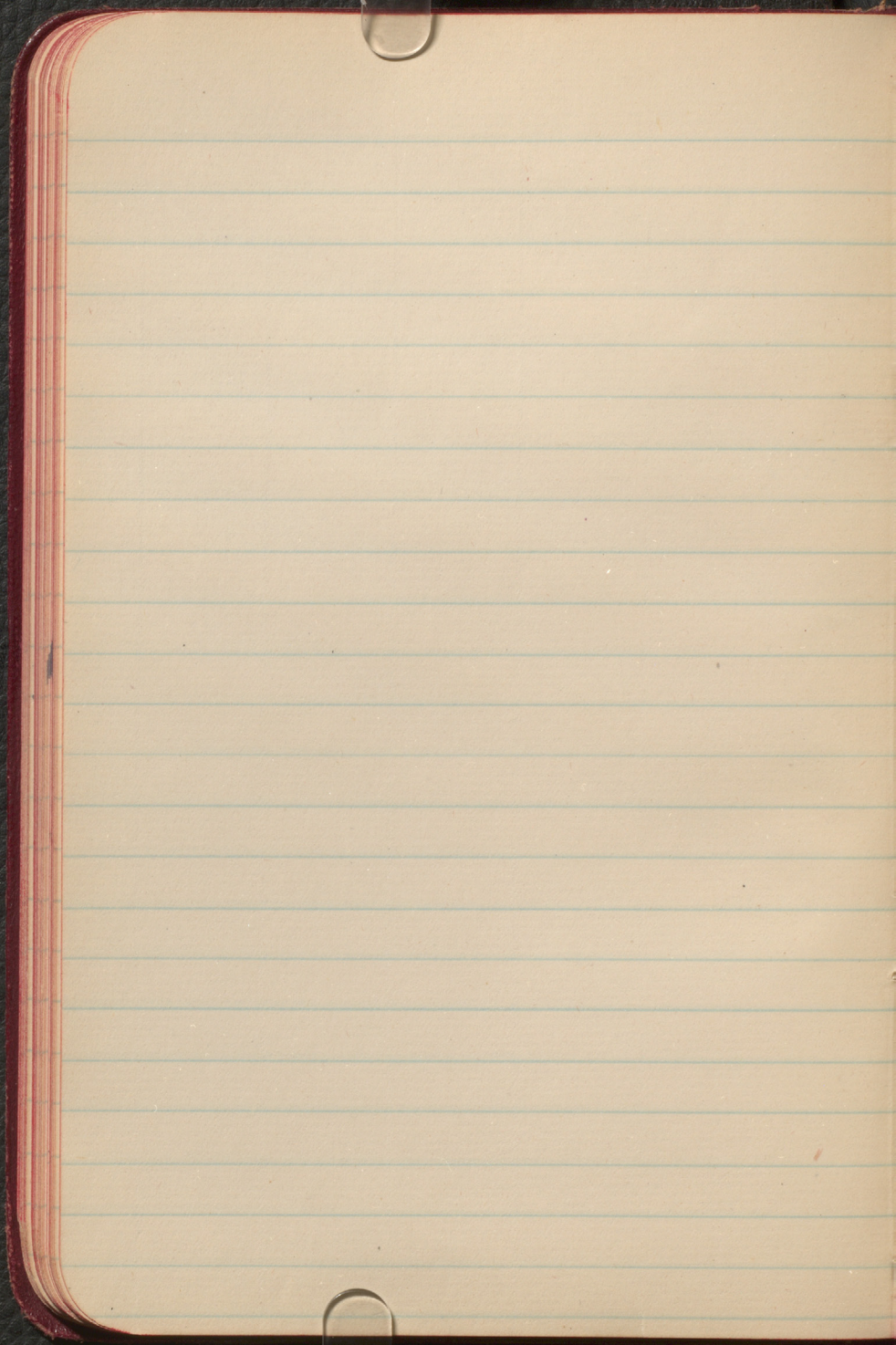
west bound train to get out of the way.

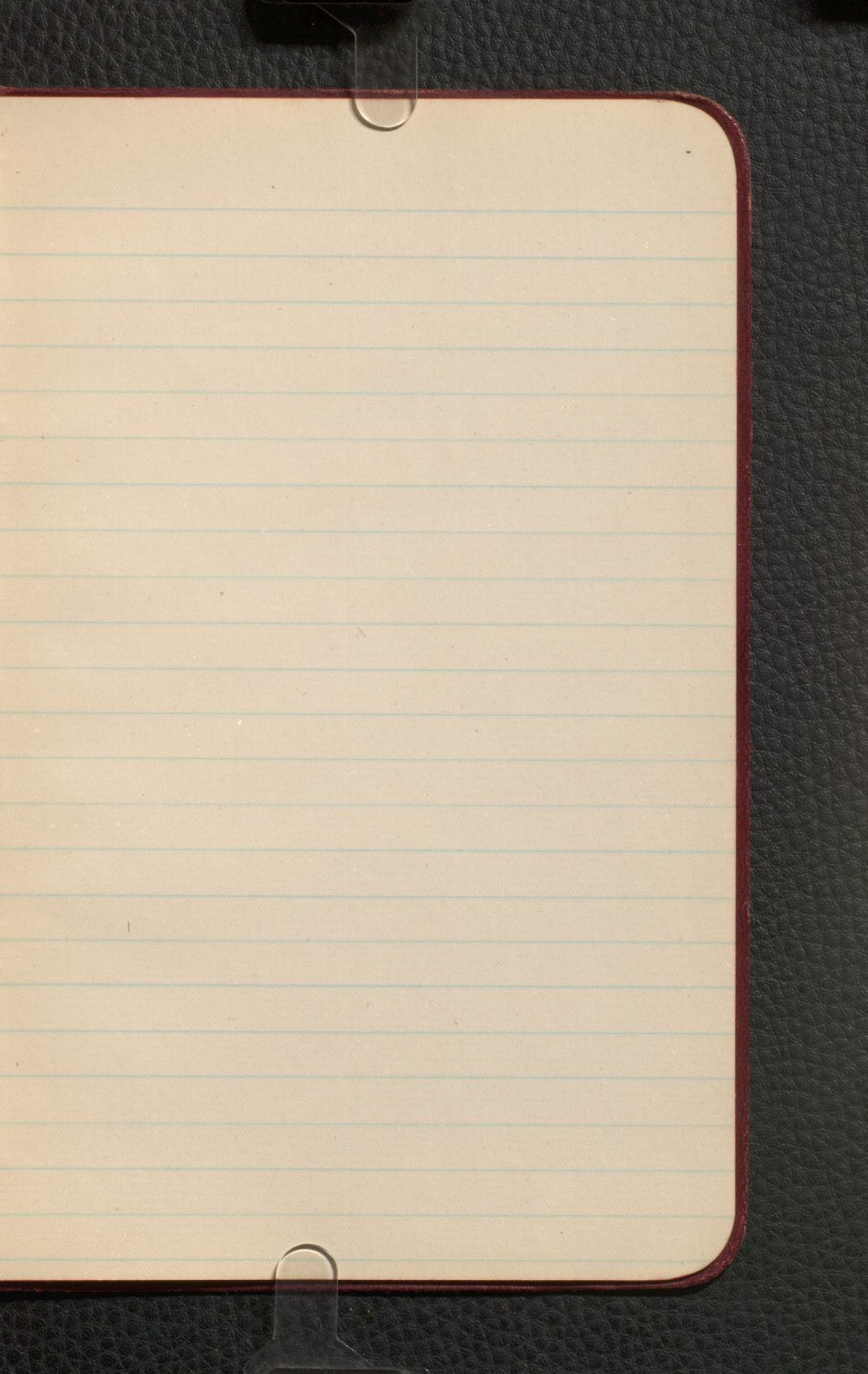
9. Nov. Eastward by C.P. Ry. reaching
Port Arthur this P.M. & leaving Edgar
there to return to Toronto by steamer.

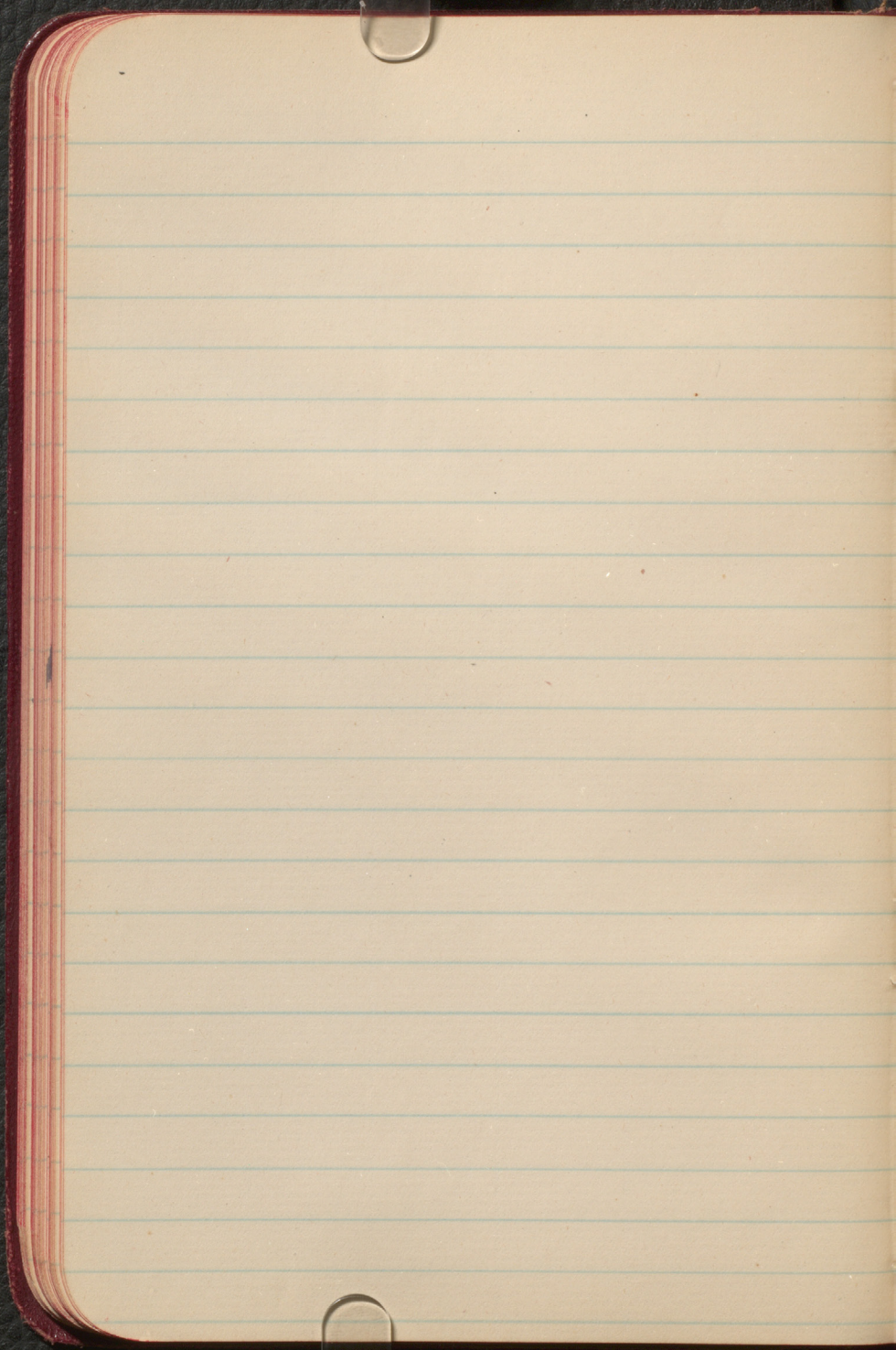
10 Nov. on to East, North Bay this
evening & hope to reach Ottawa
early tomorrow morning, weather
continues very fine, though a little
snow & lakes skinned with ice to
N. of L. Superior.

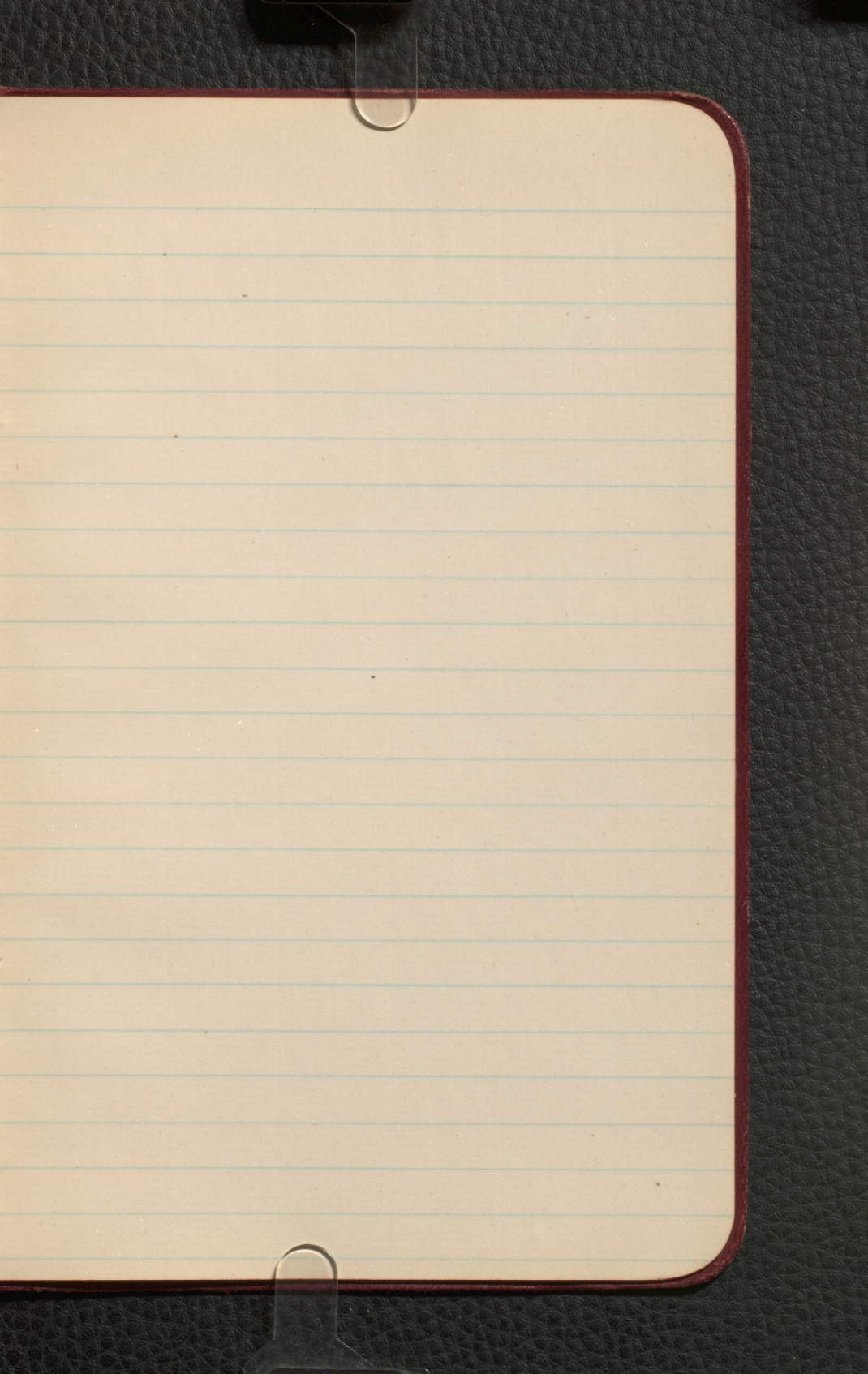


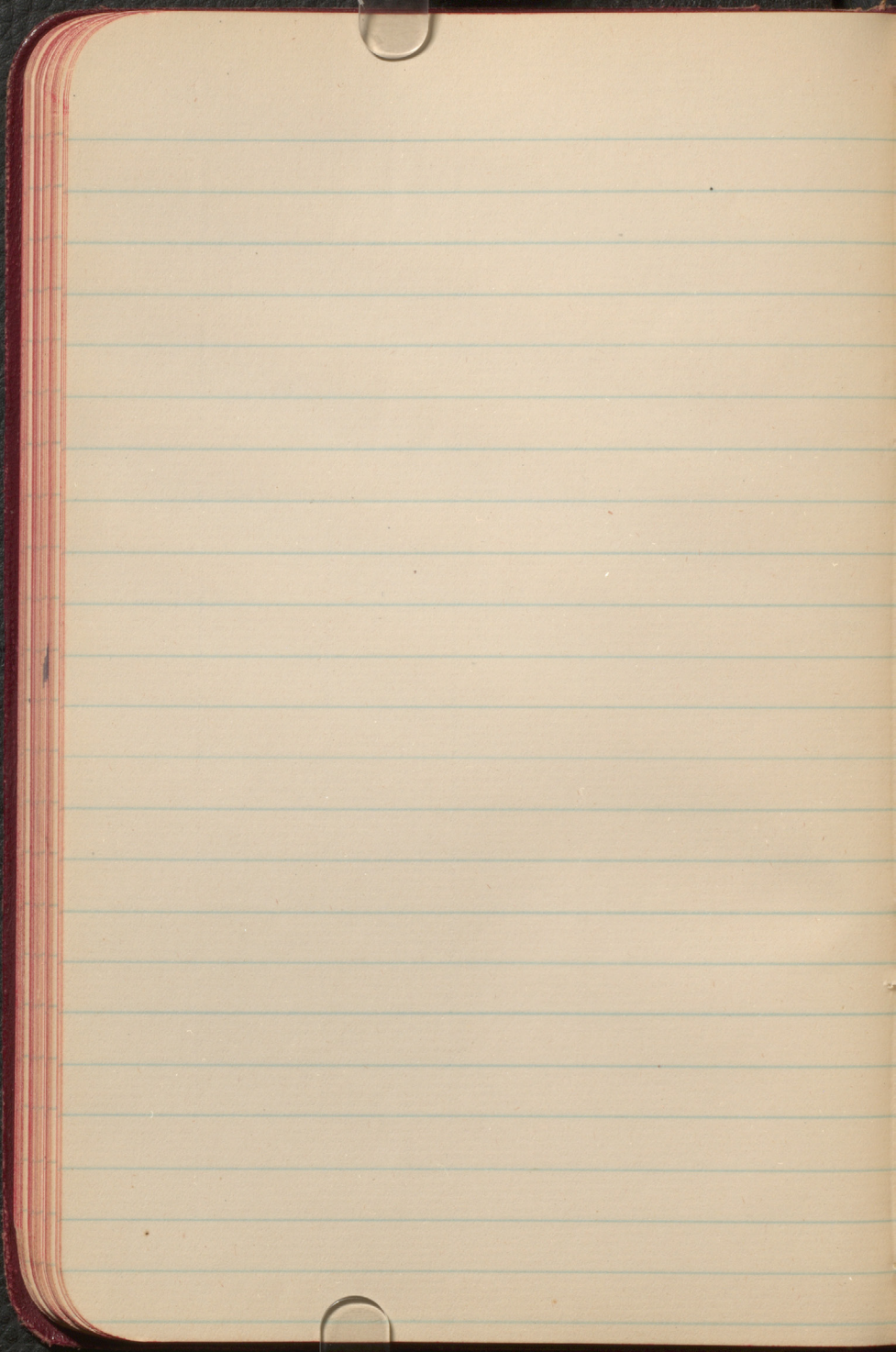


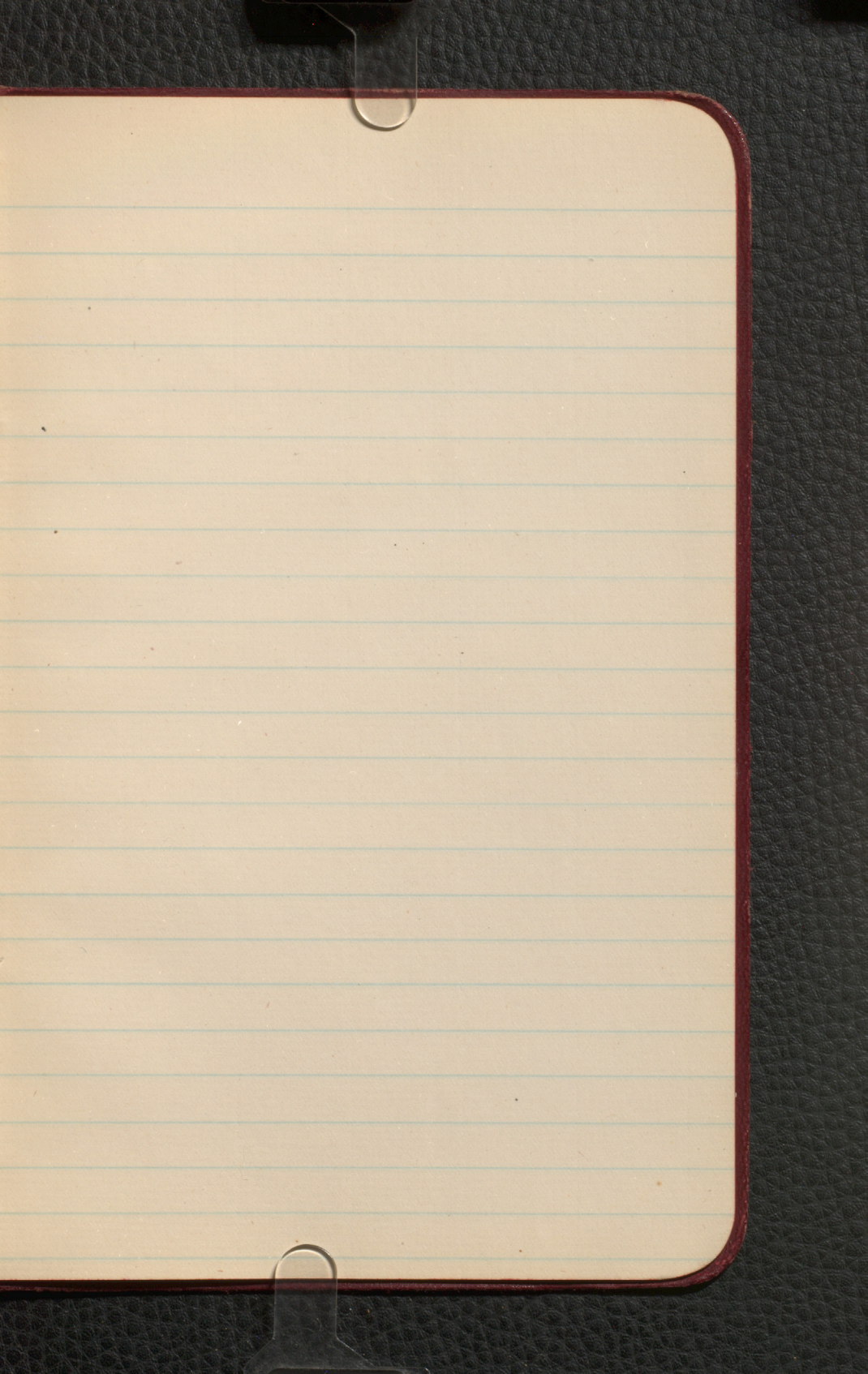


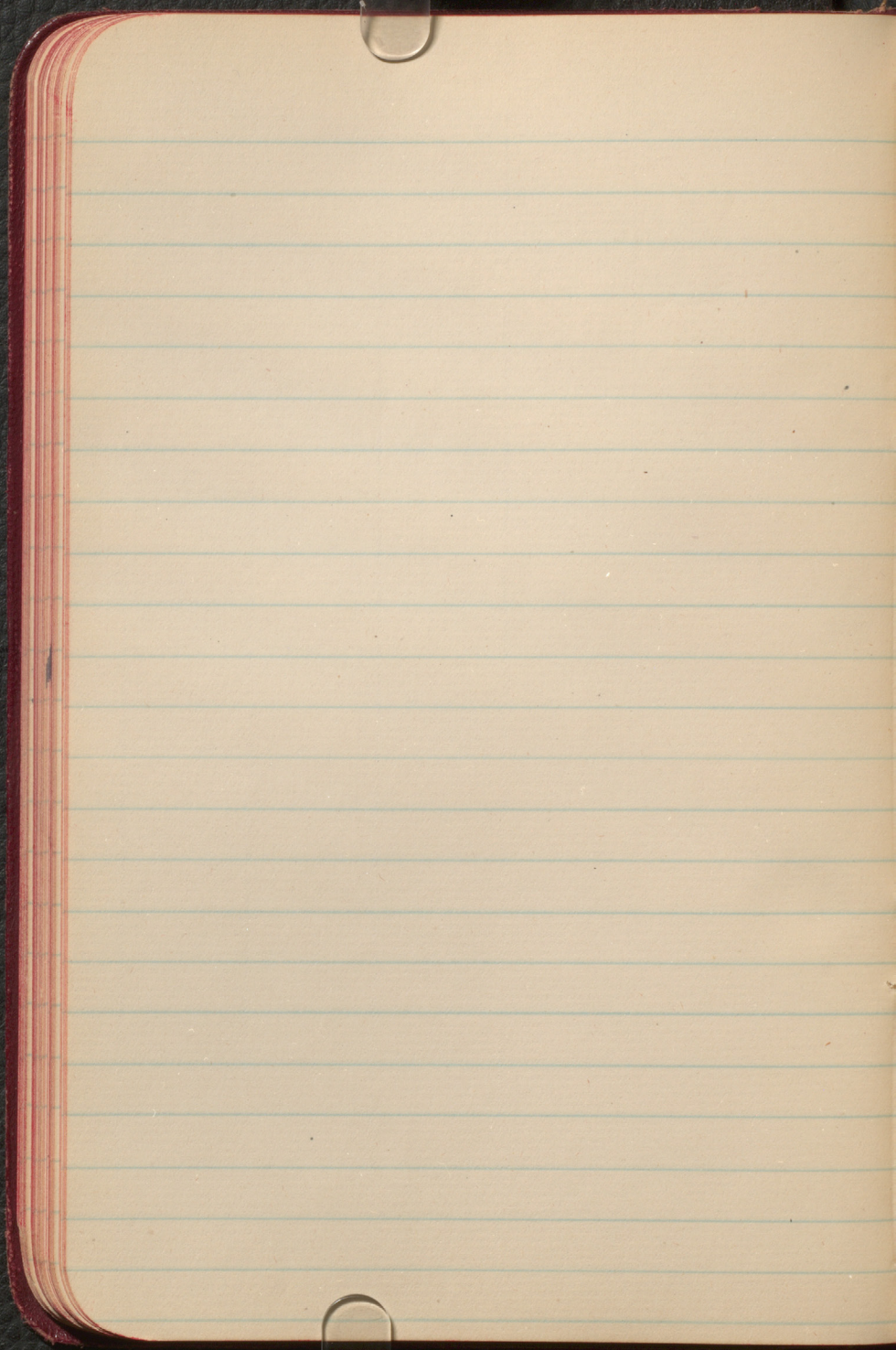


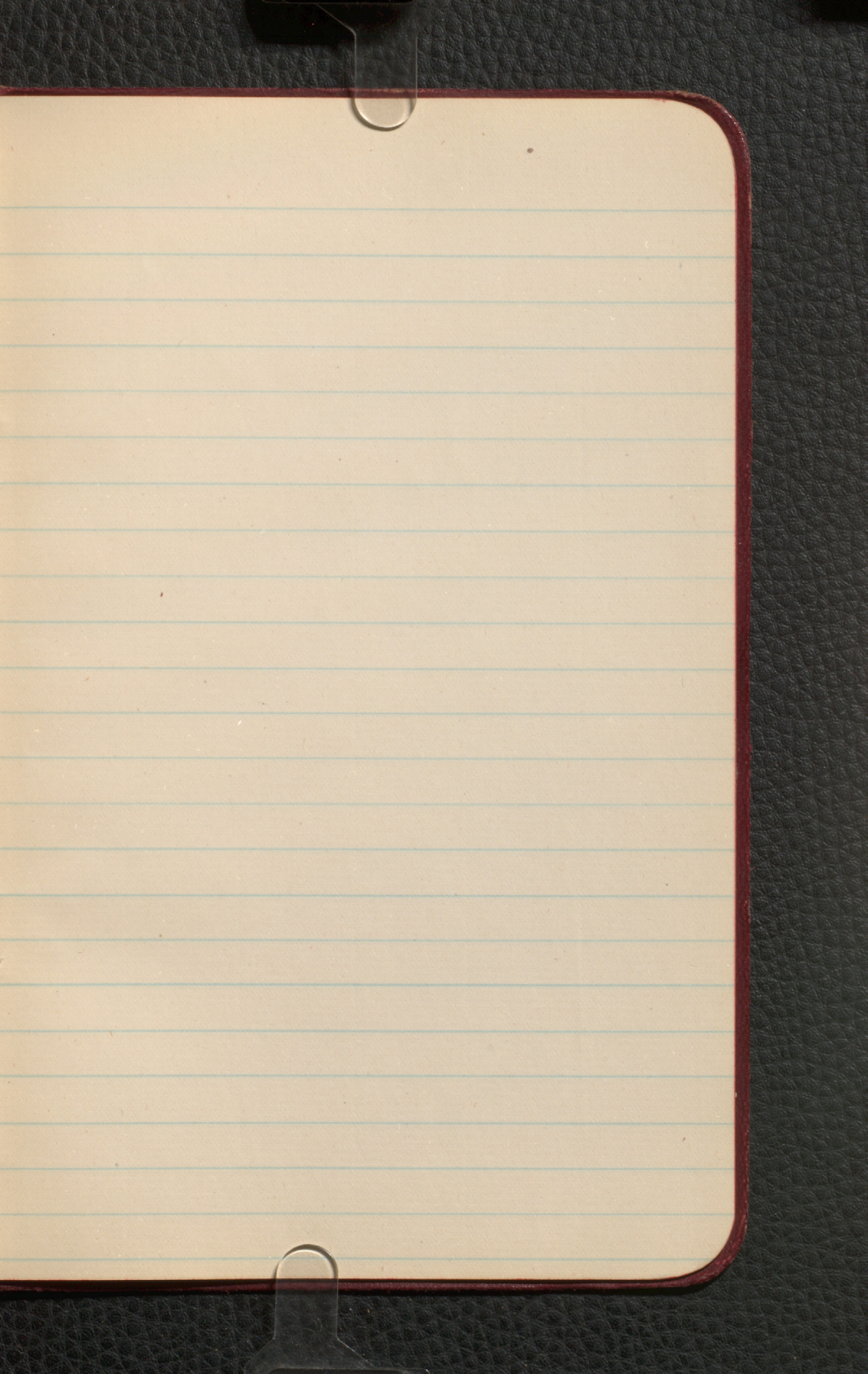


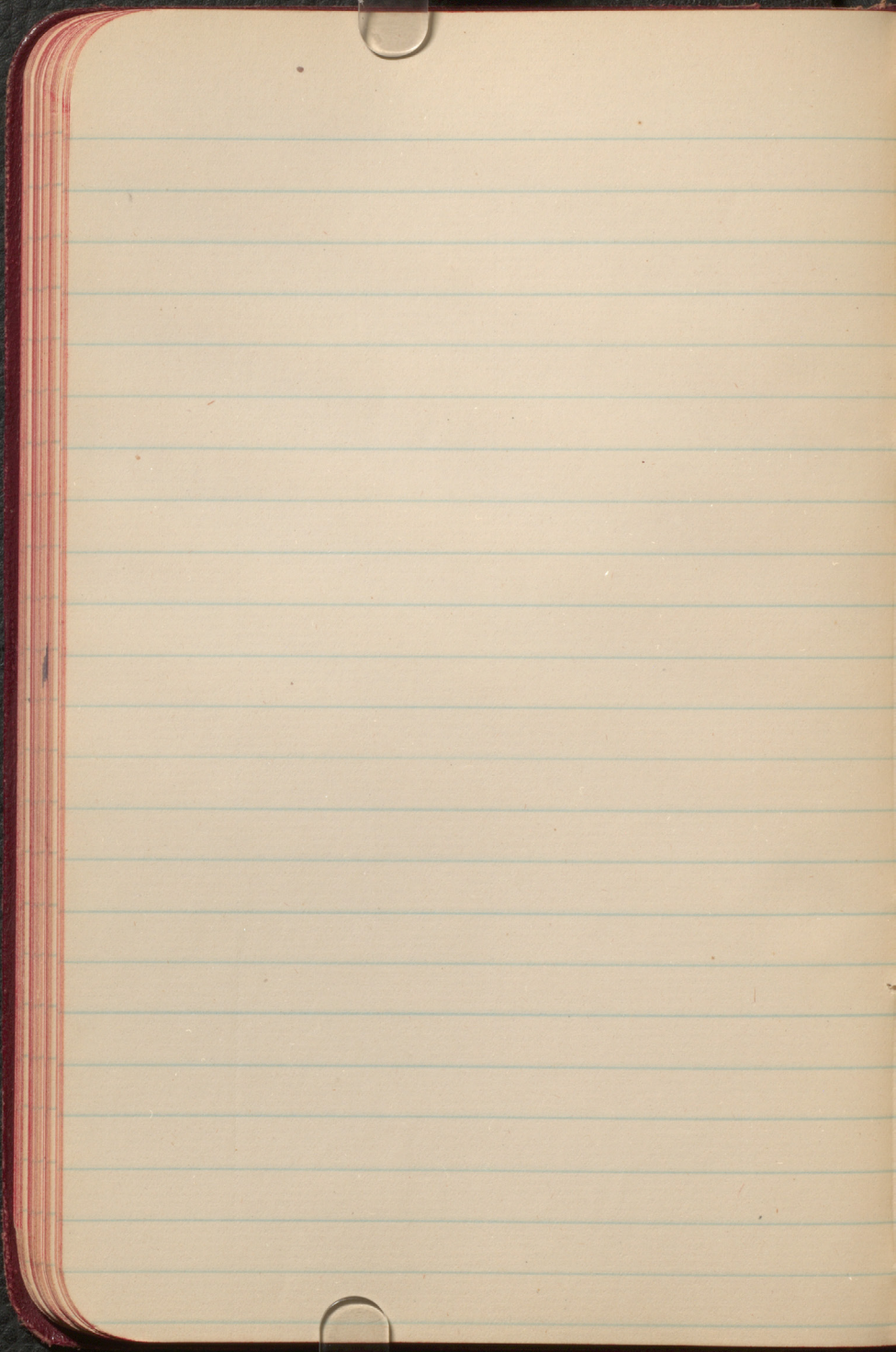


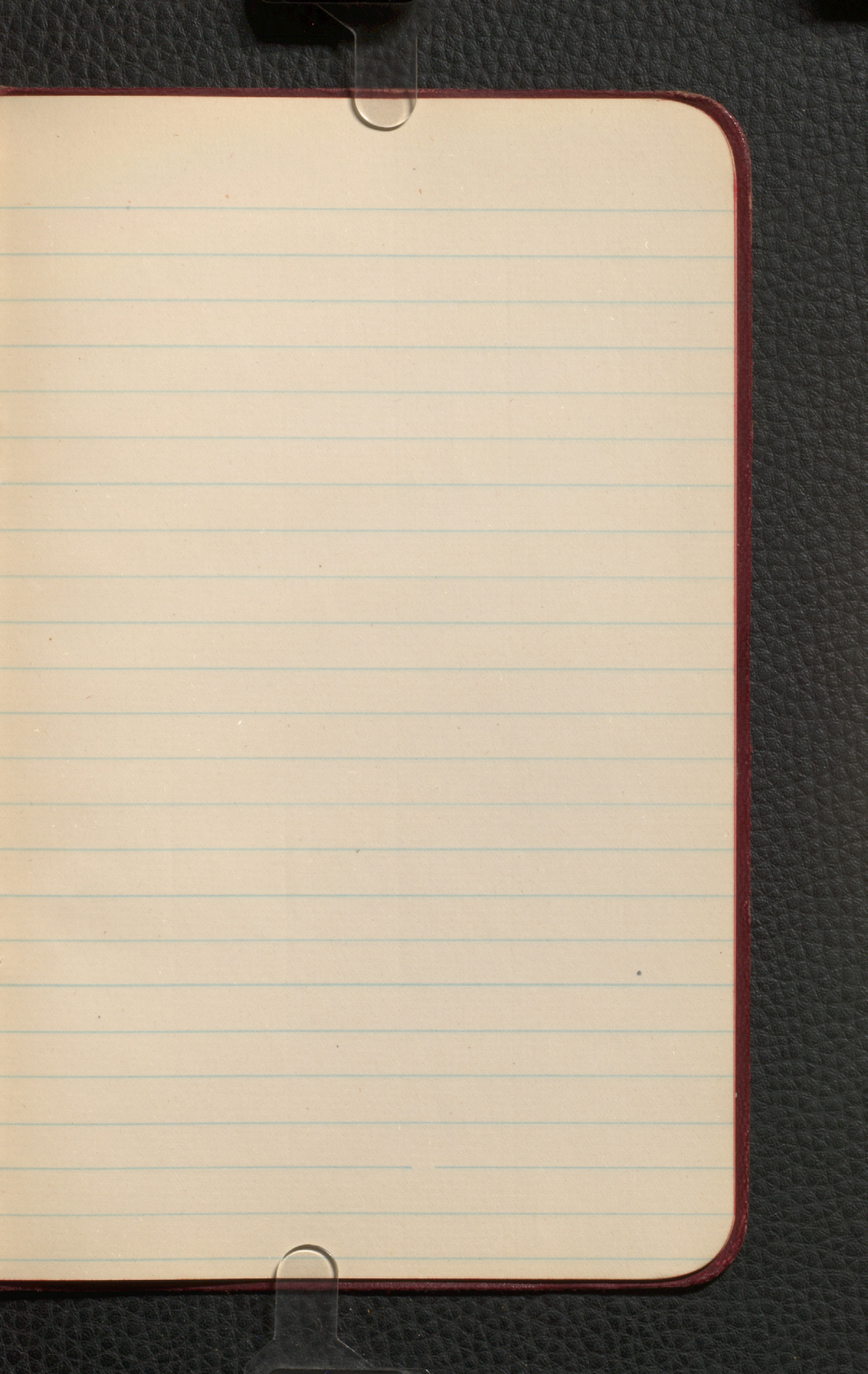


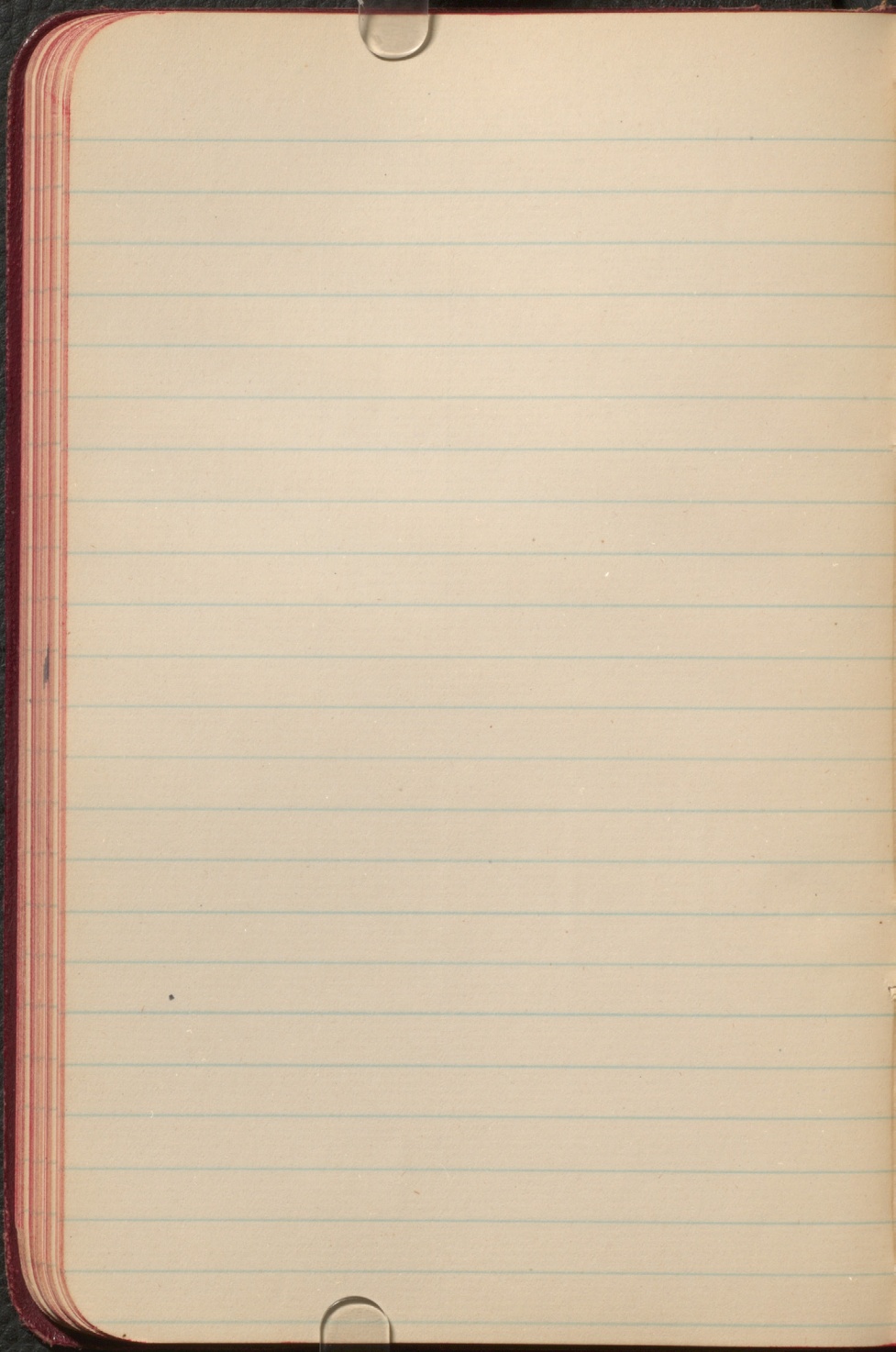


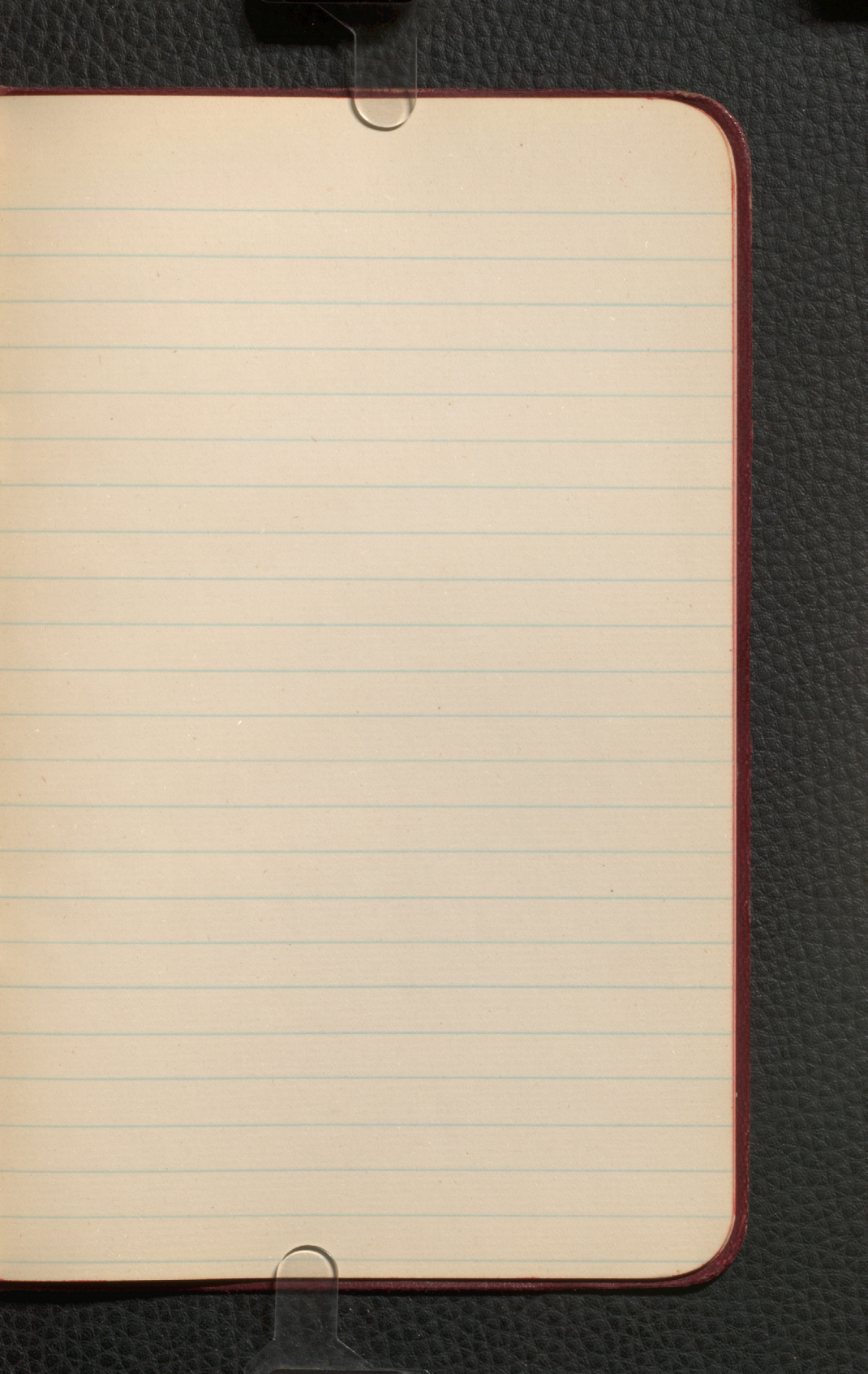


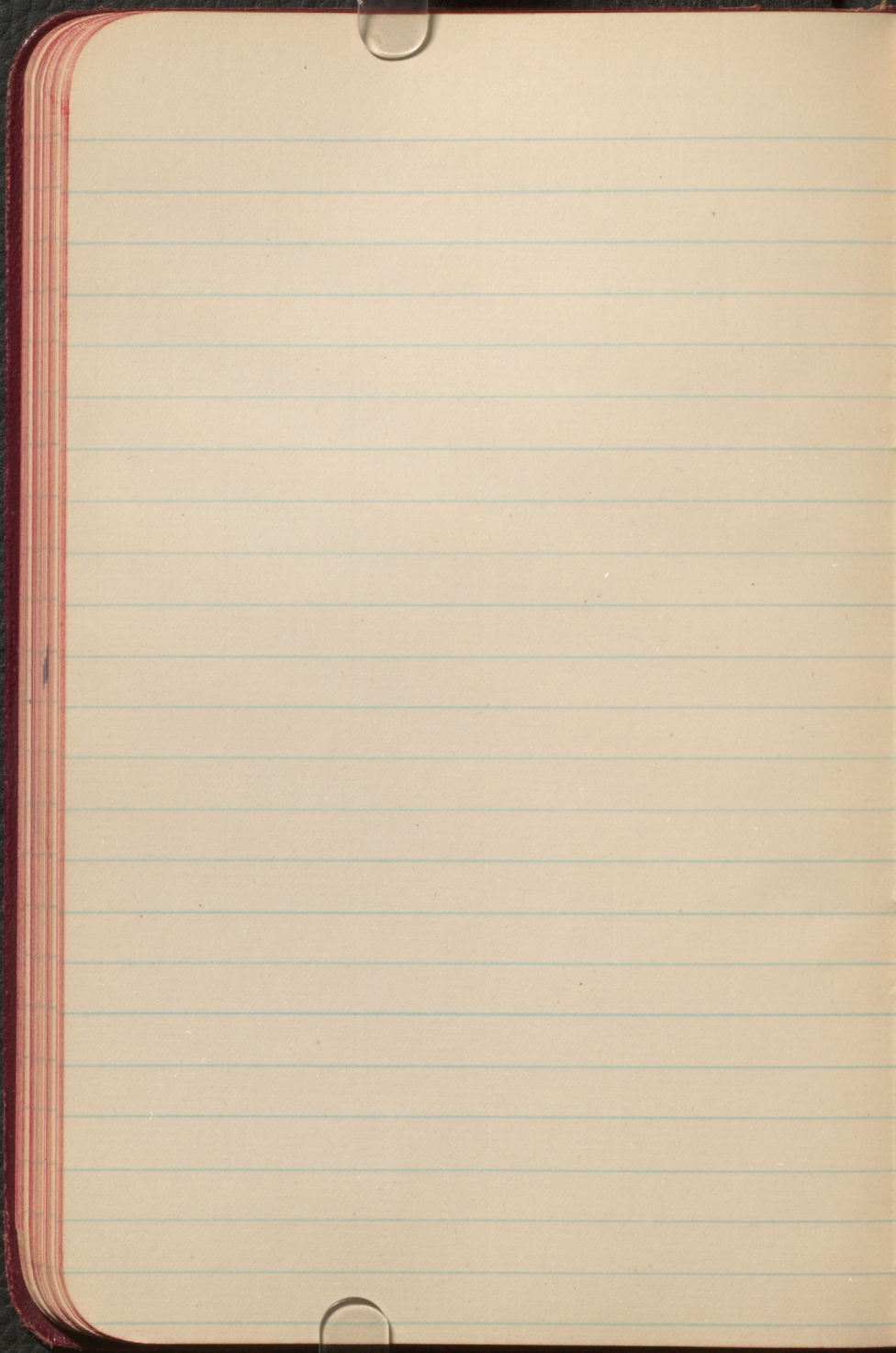


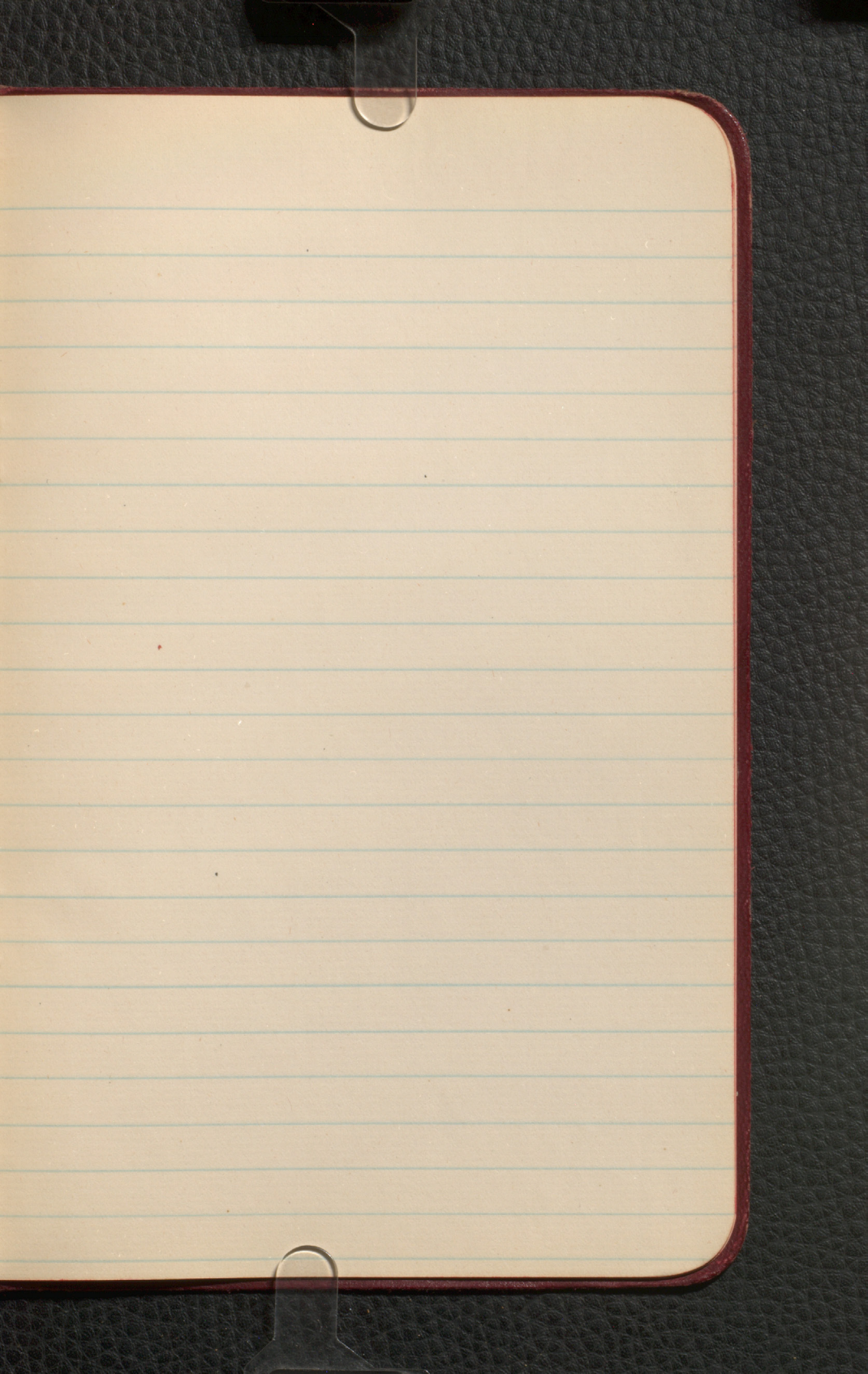


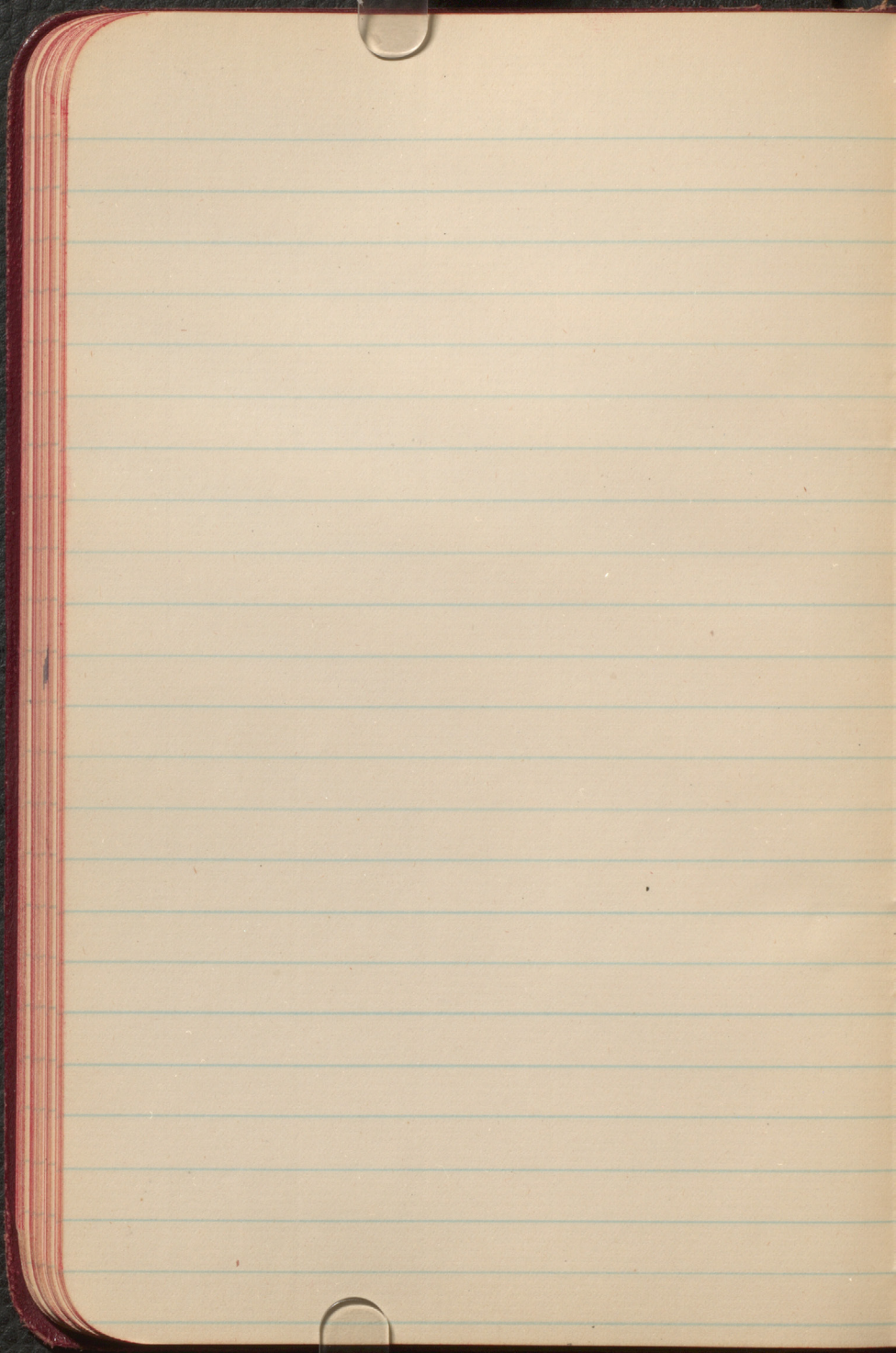


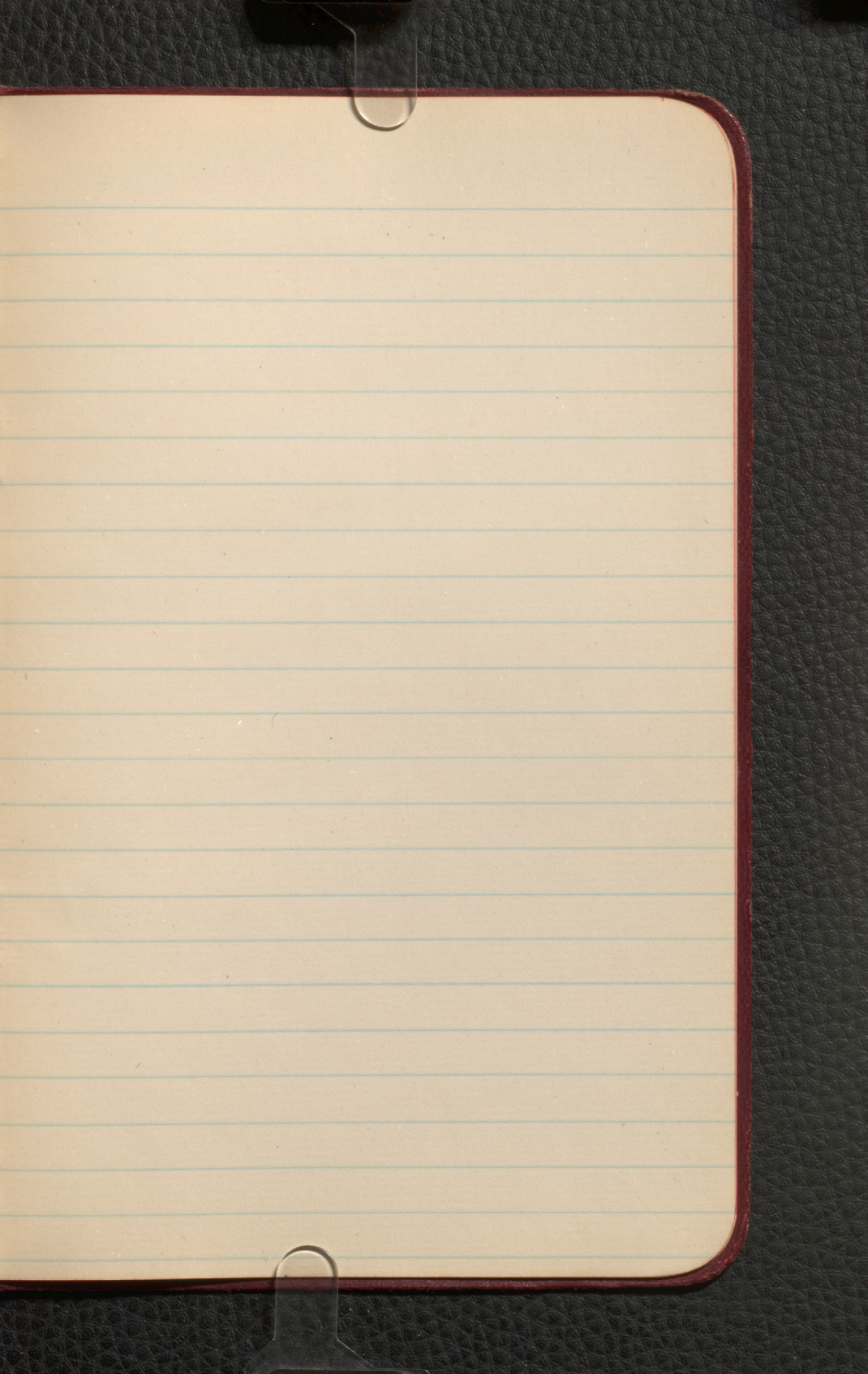


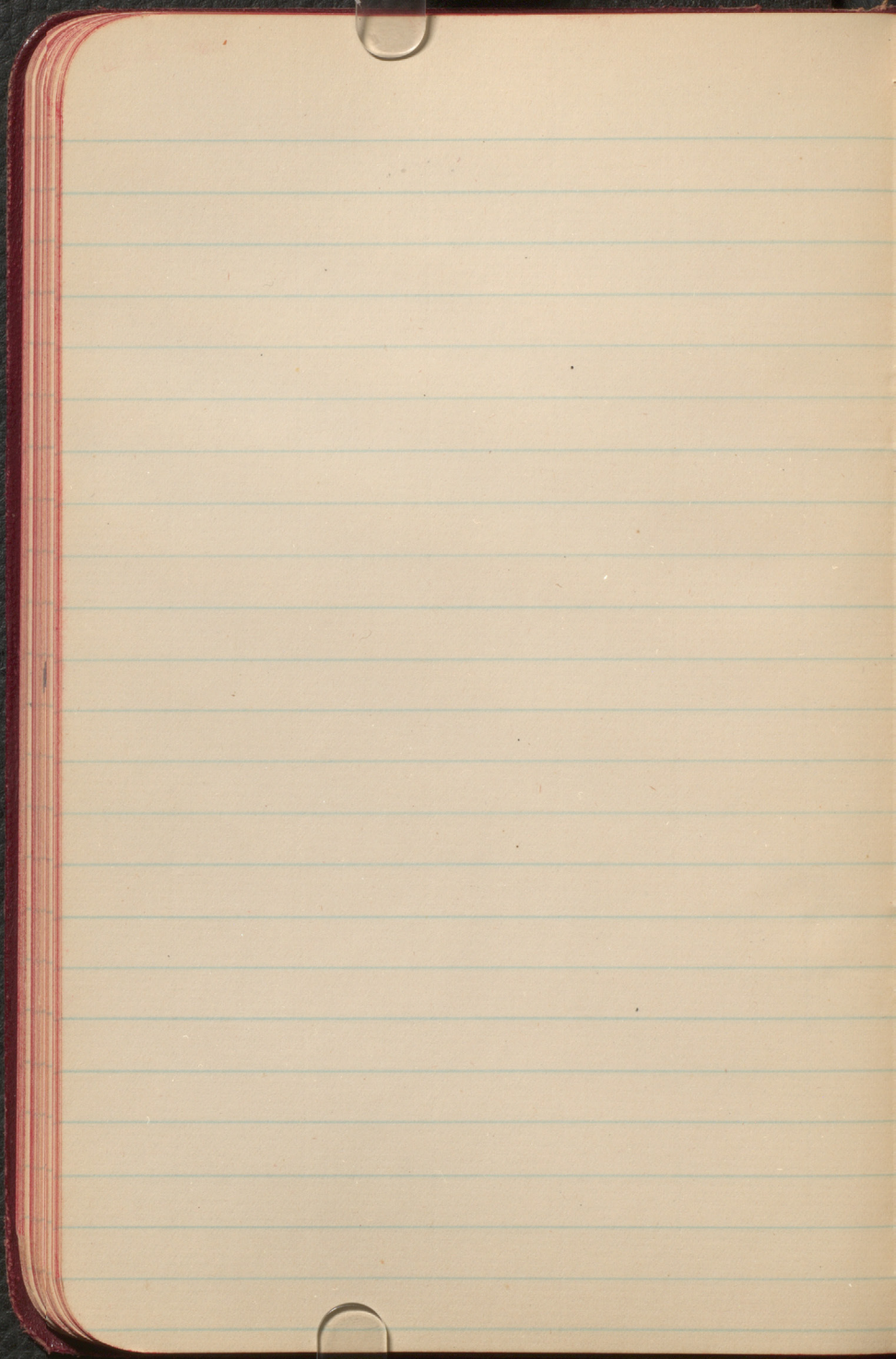


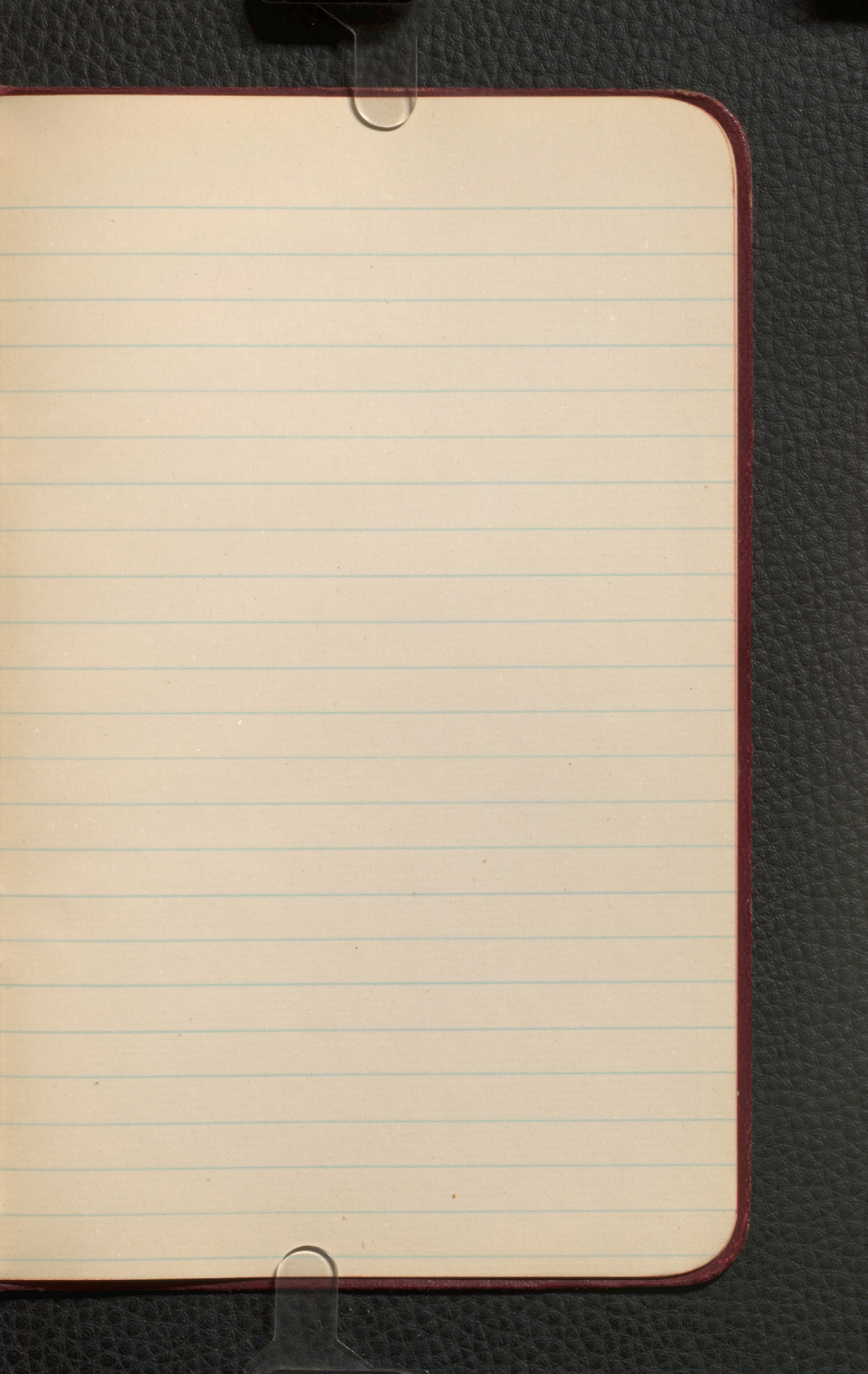


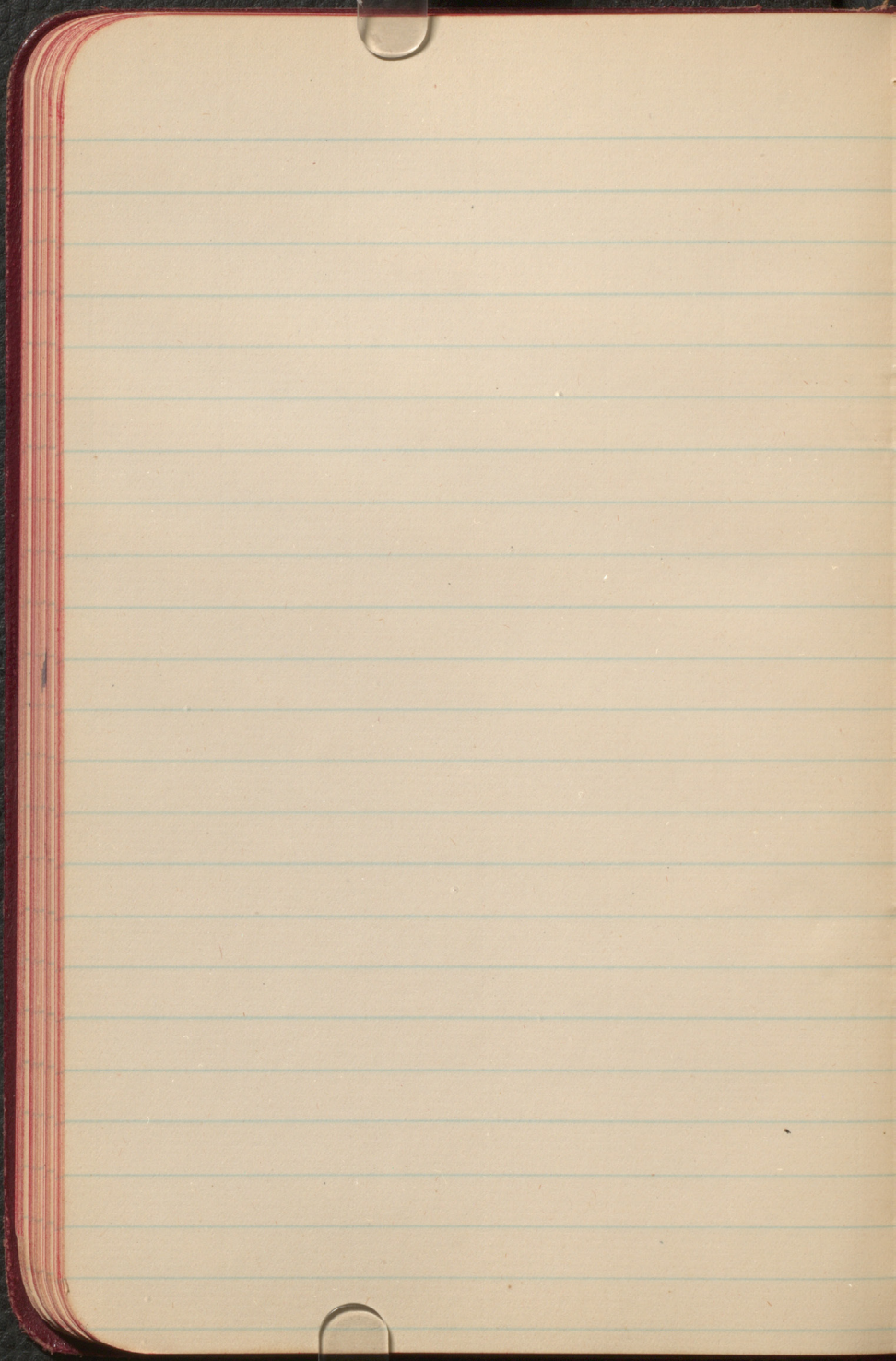


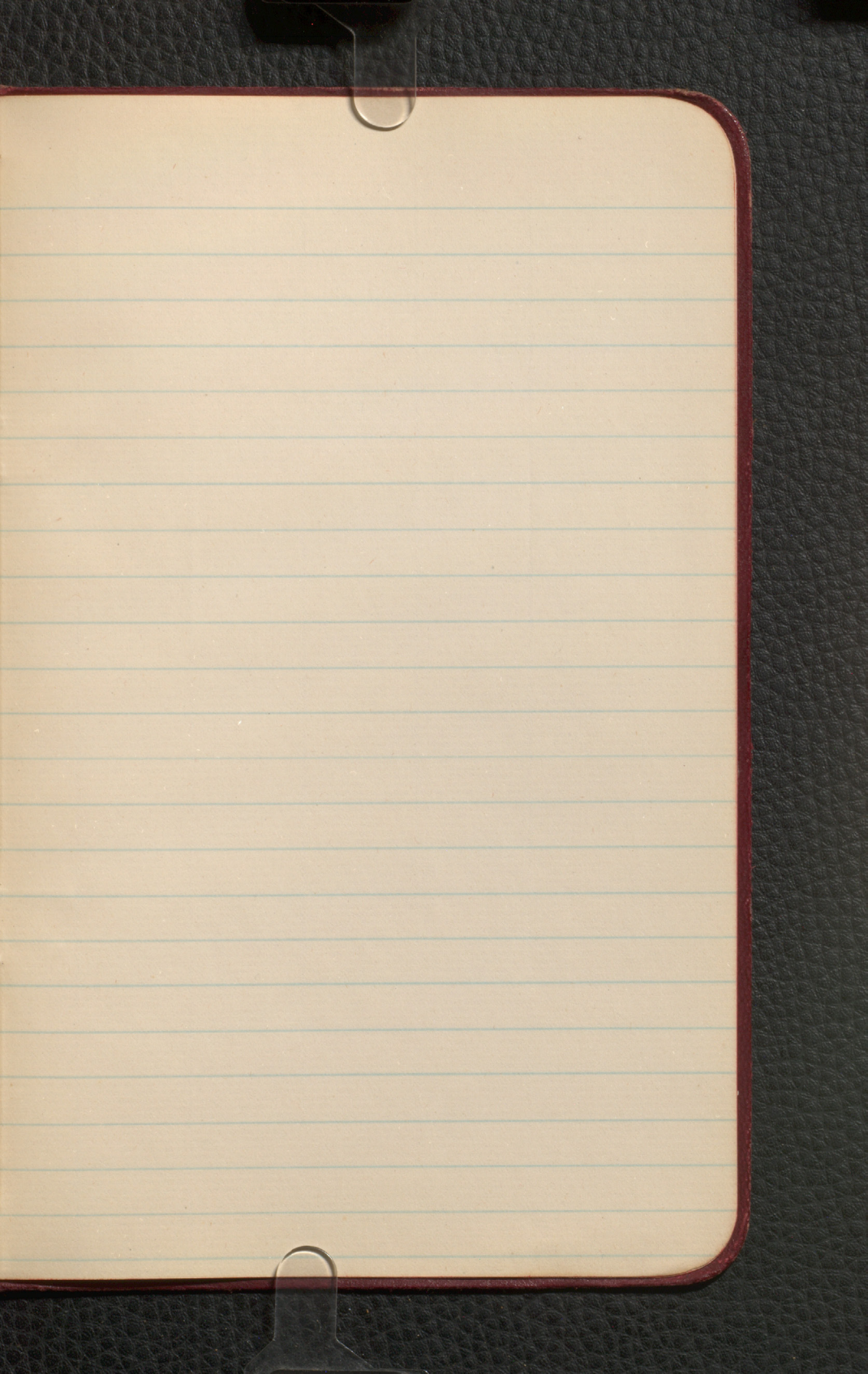


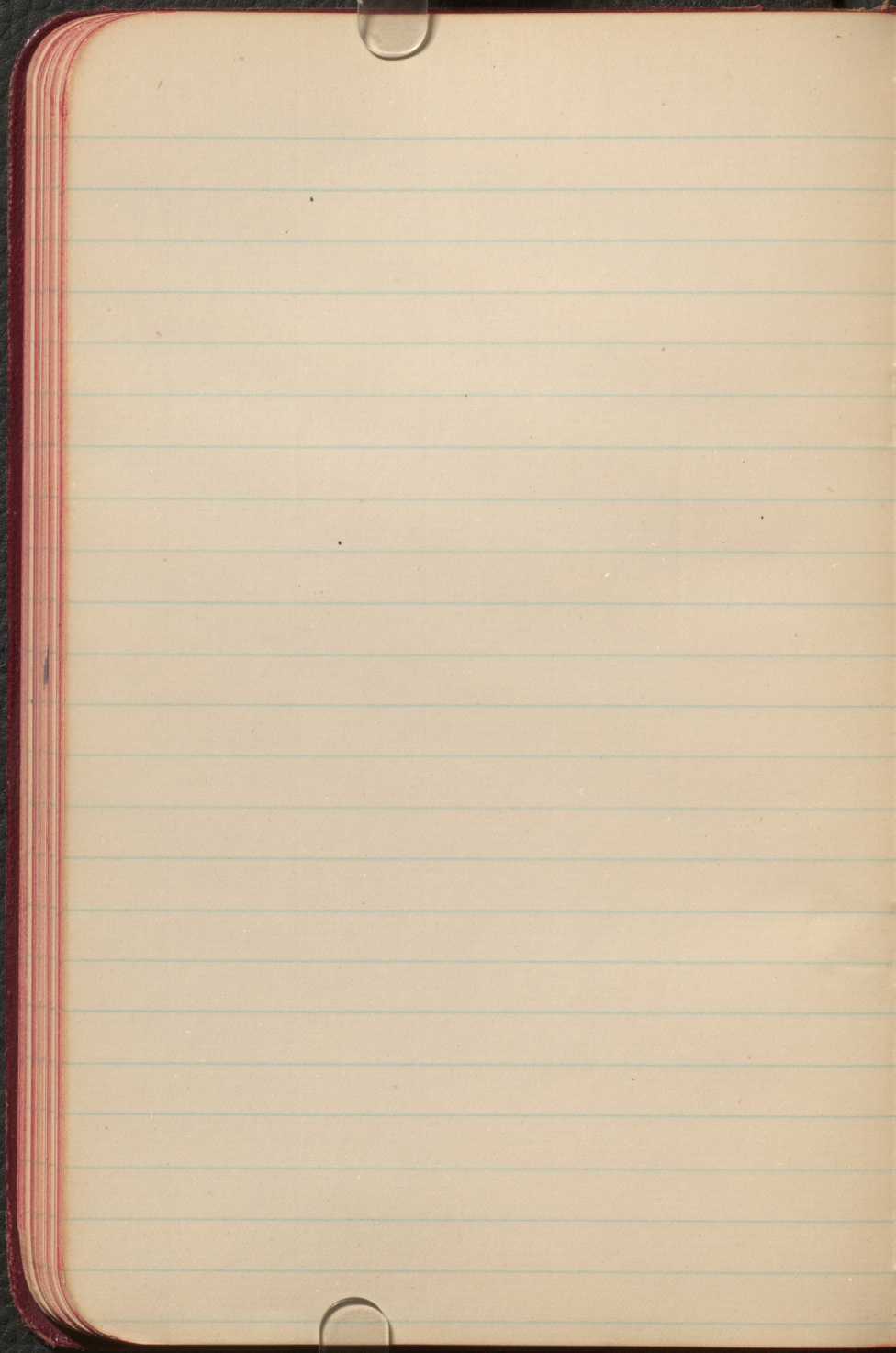


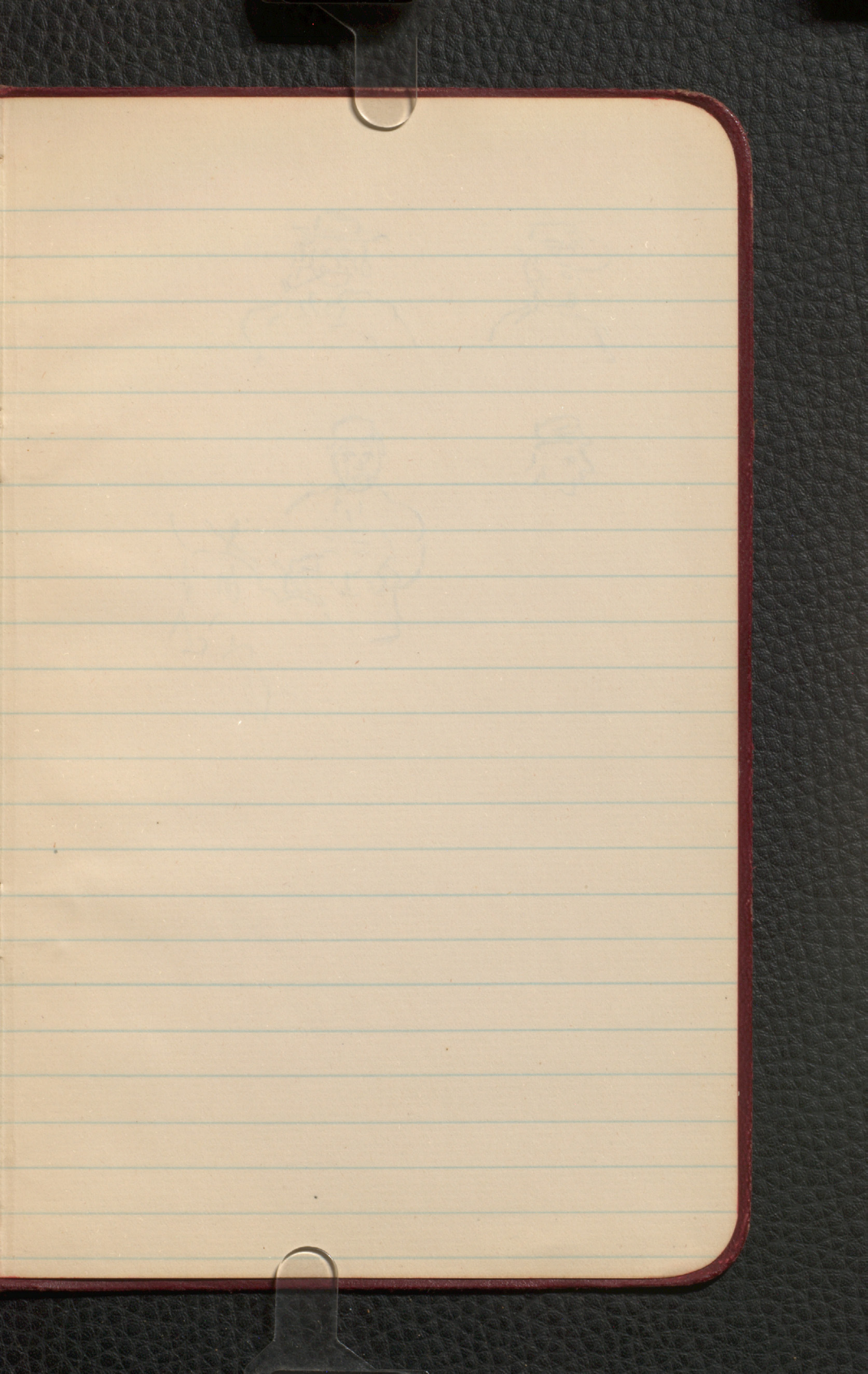


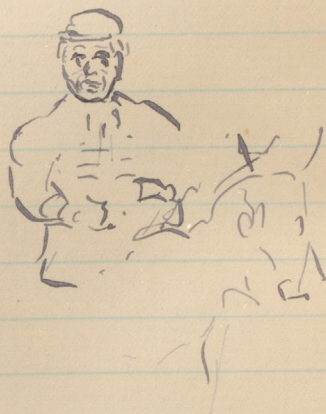
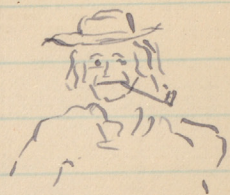
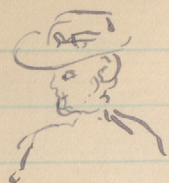












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Ishuk'-ä-tatup Red place
= name of Ek 24 Oct.

^{Hau}
Kau-a-taw'-a-sun watching place
= E. branch Tranquille.

Til-Koo-Koo'-ki-la a root like
a carrot which eaten. name
of Tranquille.

Ni-ha-ous' = Pleadis = a bawch.

Koom-a-ka-sak' Three tail class
y bear = bear. no name for 4
Square class.

Kut-a-kékt'-la orion's belt.
= fishing.

Isho-wi'-losh-tan = morning star,

Isho-wi'-wi'-ous' = rocky way
= road of the dead.

Ses-^āam = amun breath. means
something about cold wind.

Pis-kāpitō' = spring

Pis-wi'-a-woom. Grass mat

Pit-la-kat'-lai-a-^{hin} Post dipping with
~~two~~ ^{two} ~~times~~ ^{times} ~~over~~ ^{over} ~~the~~ ^{the} ~~water~~ ^{water}.

Kal'-kul-tum-āh. Berry mat for

Pil-ta-pānok' Straw mat. for

Pil-tum-klik' Salmon time

mā-hin = work or
work!

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Pil-ta-kilabain! Salmon getting bad.

Pil-tes-aitatin Deer begin to travel.

Pil-whath-ooltin! Gony back after hunt.

Pelt-Kavoth-a-min! Staying at home

Pil-ta-ta'-a-Kem Midwinter walk.

Pil-tahik'-in-tin

Kwa'-nis-Kem old chief
at Langville. Killed for Black
g.H.S. Co., & was poisoned &
drowned himself. Out for 3
years, already become mythical.
Tracks shown where he jumped.

