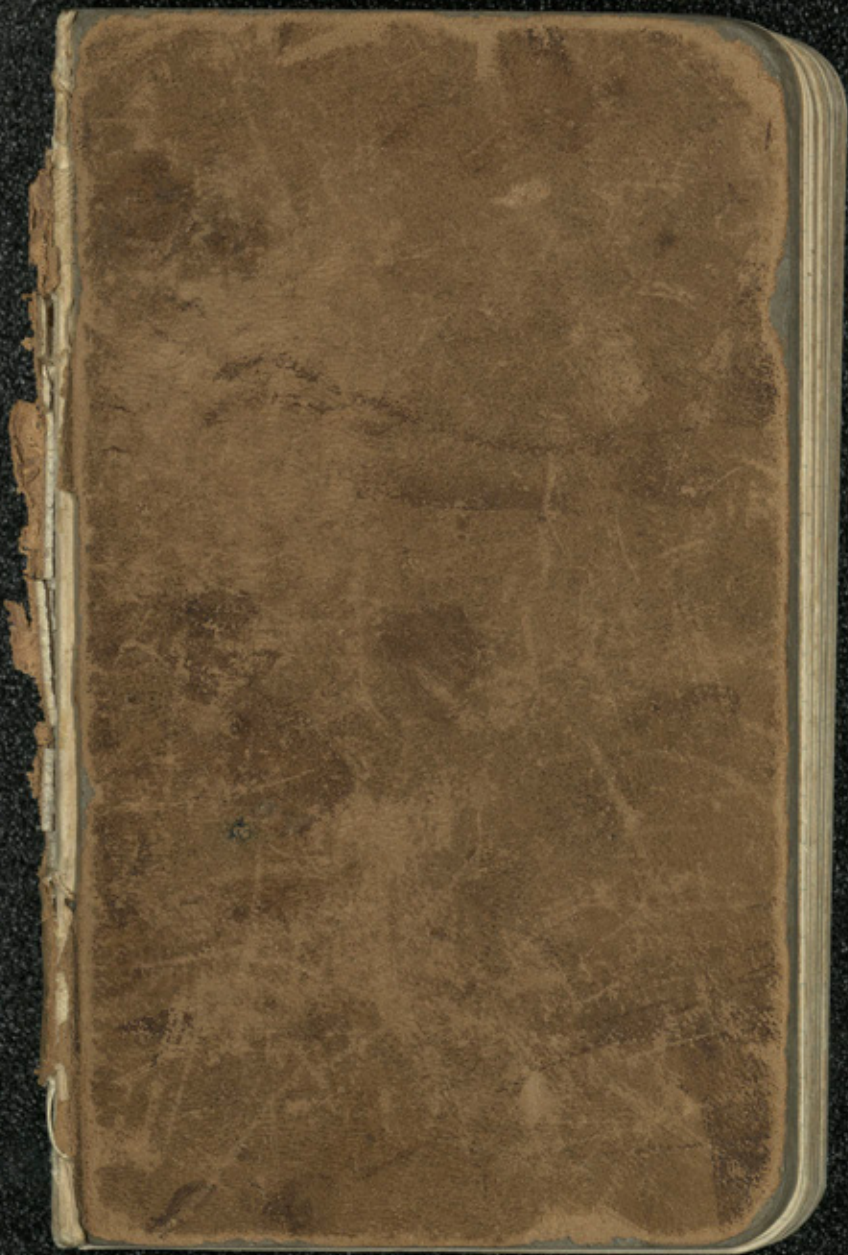
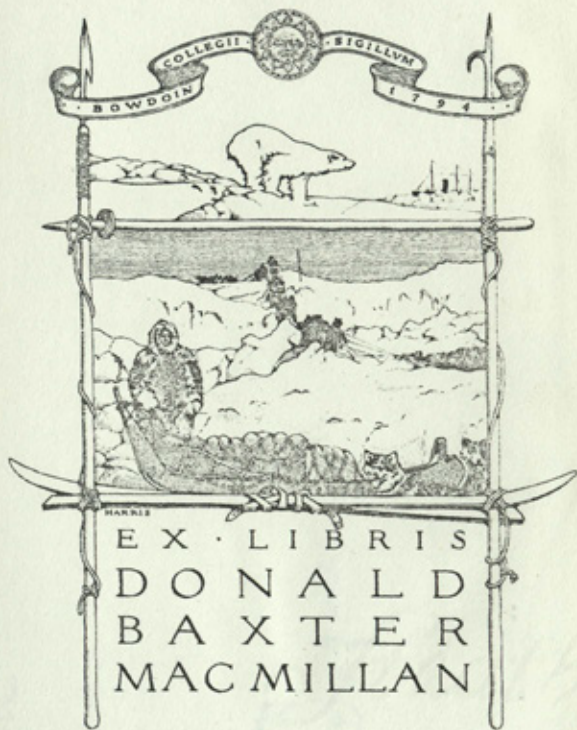




#23



714425

Grandmother.

John.

Emma.

Robert.

W. H. S.

Ann Mary.

Mother (4) (2 of each)

7/16/48/89

Dept. of Commerce
Coast & Geodetic Survey
Washington. May 1, 1913.

Ensign F. Green. U.S.N.
Army & Navy Club
Washington. - D.C.

Sir: Enclosed herewith is a
Carbon copy of office letter
of transmittal relating to
instruments shipped - 18 days
to Dr. E. O. Hovey, American
Museum of Natural History
New York. N. Y.

These are the instru-
ments requested for use in
an - Arctic Land Expedition

Respectfully -
O. H. Jettmar
Superintendent
(23.)

Inclosure -

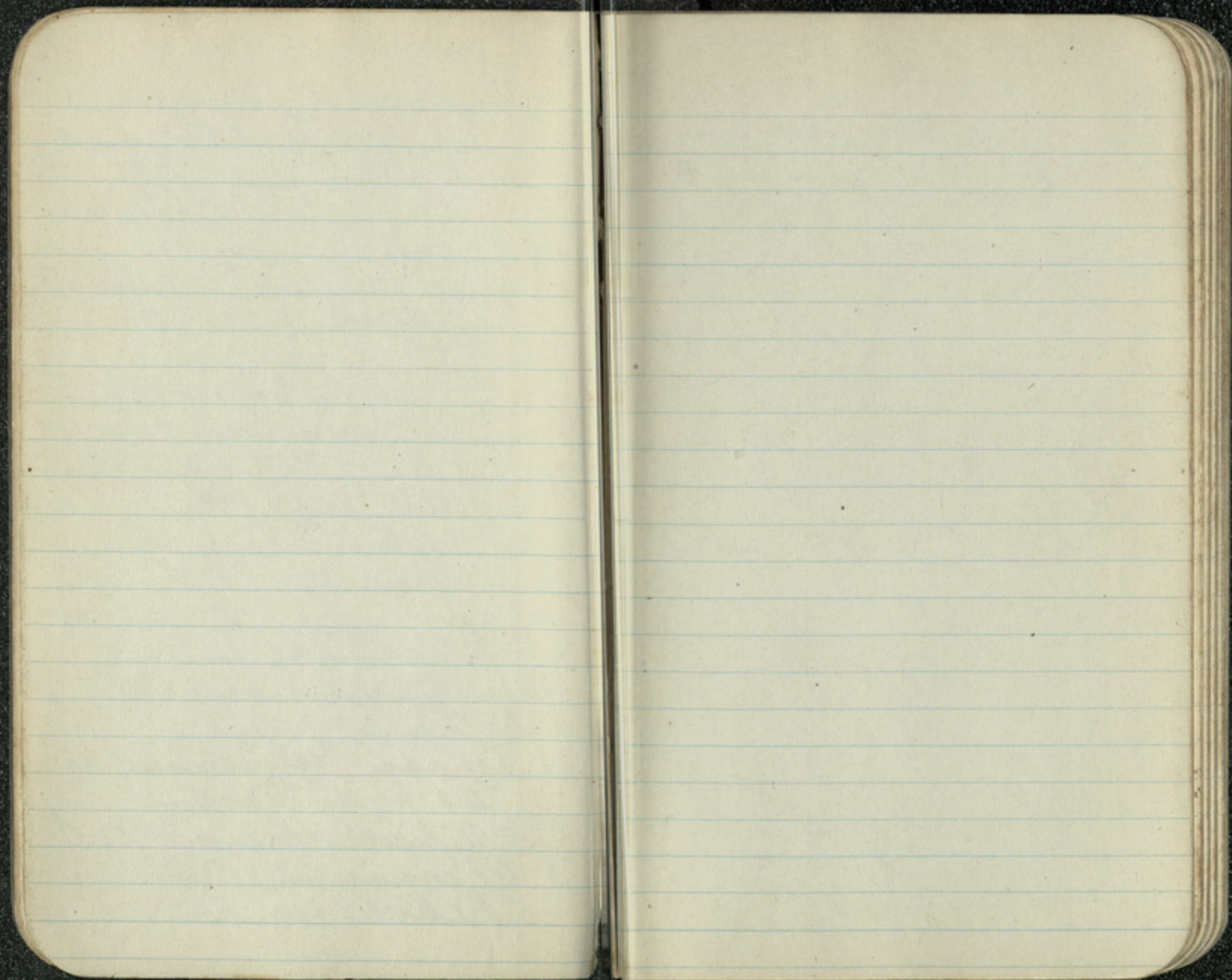
Department of Commerce -
Coast & Geodetic Survey
Washington - D.C.
May 1. 1913

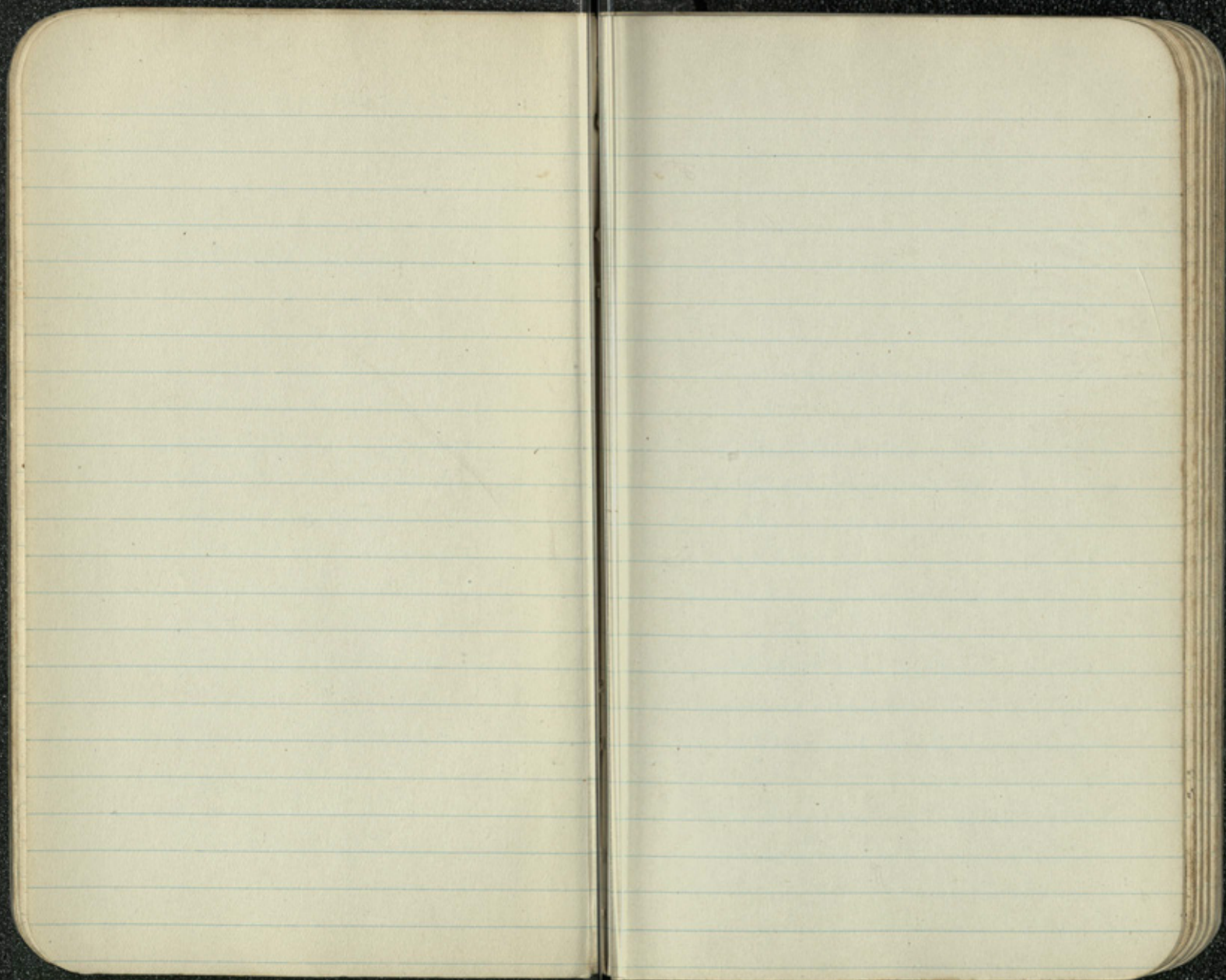
Dr. G. O. Sney -
American Museum of Natural History
New York - N. Y.

Dear Sir;

At the request of Mr. F.
Green the instruments loaned
for the use of the Crocker Land
Expedition last year, but
later returned because of the
postponement of the Expedition
are now forwarded to your
above address by this day's
Adams Express, charges collect.
The instruments sent are:

1. Compass Declinometer No.
740 and tripod
2. Artificial Horizon No. 5
3. Aluminium registering
shear No. 1.





Box No.

1 automatic tide gauge K+E	
6061 - - - - -	16
25 rolls tide gauge paper - 12-13	
1 Traverse plane paper - - - - -	14
1 Tripod - - - - -	14
1 Al. dade - - - - -	3
1 Telometer stadia rod, self-reading	
14 ft. fold to 7 - - - - -	15
1 Philadelphia leveling rod, ten,	
Vernier, clamps &c - - - - -	15
1 six inch Vernier compass - - - - -	4
Tripod - - - - -	14
Heliograph mirrors with stand	
K+E 3255 - - - - -	4
Tripod - - - - -	14
4 heavy standard surveying	
sextants, with one set sp. glasses - - - - -	3

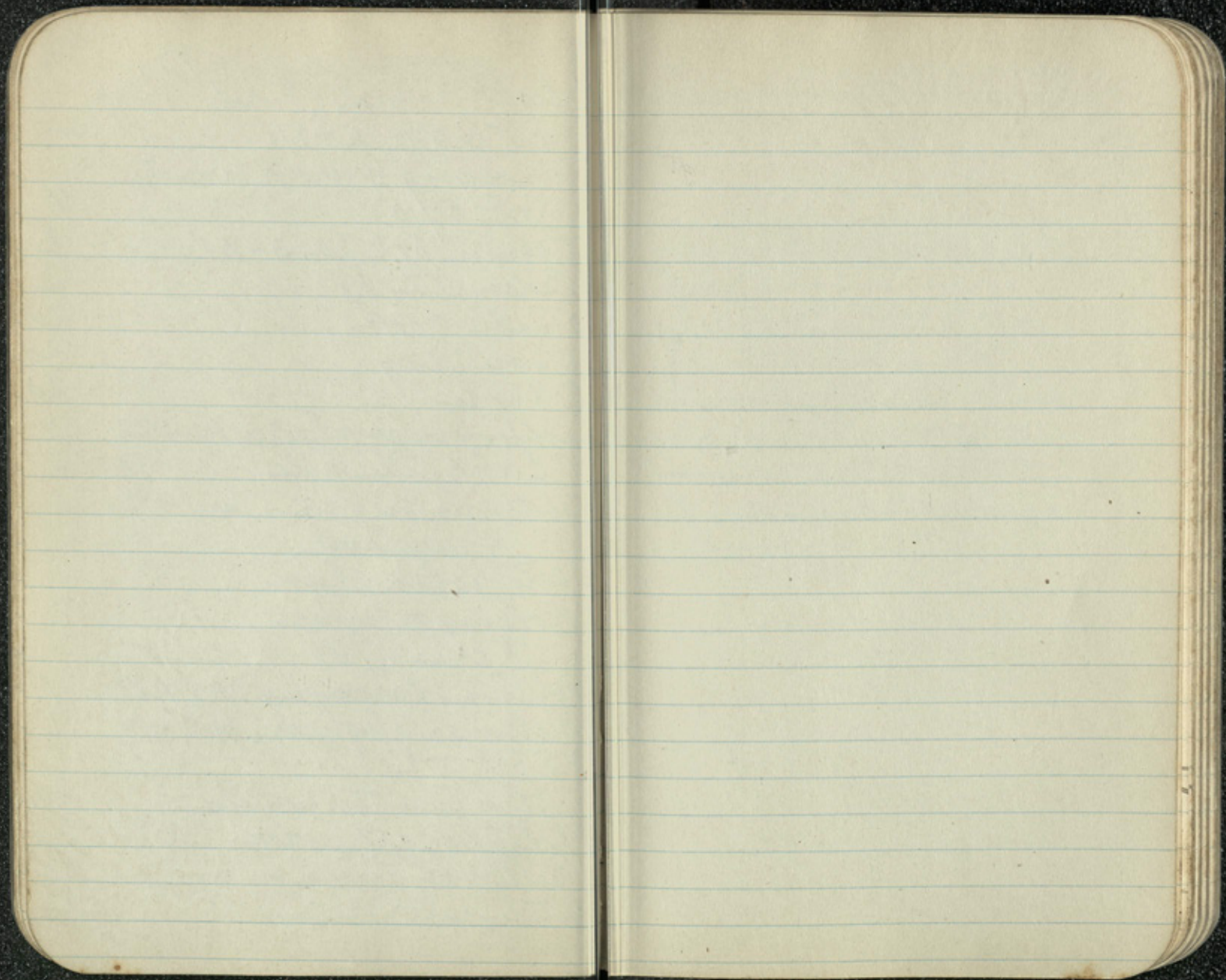
4 Artificial horizons, wooden trays
 + glass tank of mercury - - - - 12
 1 Comparing watch Navy Standard.
 1 fair day binoculars, -6-8-10 X variable
 Le Maire - - - - - 4
 1 Three-arm protractor. N.S. - - - 2
 1 Lock's hand level
 K. & E. 3704 - - - - - 2
 2 sets of 11 marbling pins.
 No. 6 wire gauge - - - - - 2
 1 Steel tape, 100 feet marked to
 inches & tenths - - - - - 2
 1 Boat sounding machine, 3 lots
 5400 fathoms. - - - - - 8-9-
 " " " " - - - - - 17-18--20
 3 Boat sounding machine irons - - - 15
 1 Chronometer
 1 Spring balance - about 6 inches long
 & 25 pounds - - - - - 2
 1 set drawing instruments - - - 2
 1 " of eight boxwood scales, 12 inch
 K & E 1398 - - - - - 2
 1 Diagonal scale &c, metric
 one foot long. - - - - - 2

6 Cans liquid glue	----	2
6 bottles India ink	----	2
3 " red drawing "	----	2
3 pairs hair spring dividers 5 inch	----	2
1 riding glass 3 inch. N. 367	----	2
2 adjustable curves	----	2
1 Proportional dividers 10 inch		2
1 Ivory rectangular protractor, 2 1/2 by 12 inch, scales	----	2
4 Horn protractors, 3 inch radius	----	19
1 Metal straight edge, 3 ft. N 14	----	14
2 pocket compasses		2
6 doz. thumb tacks assorted 5-16 to 5-8"		2
2 steel knife erasers	----	2
12 rubber "	----	2
1 box round writing pens	----	2
2 cards Crow quill "	----	2
2 doz drawing pencils 2-H to 6-H		2
6 " recording " No. 3		2
6 pen holders		2
1 doz red & blue pencils	----	2
2 " Gillette pens No. 170	----	2
2 cards Dicta pens " No 3202	----	2

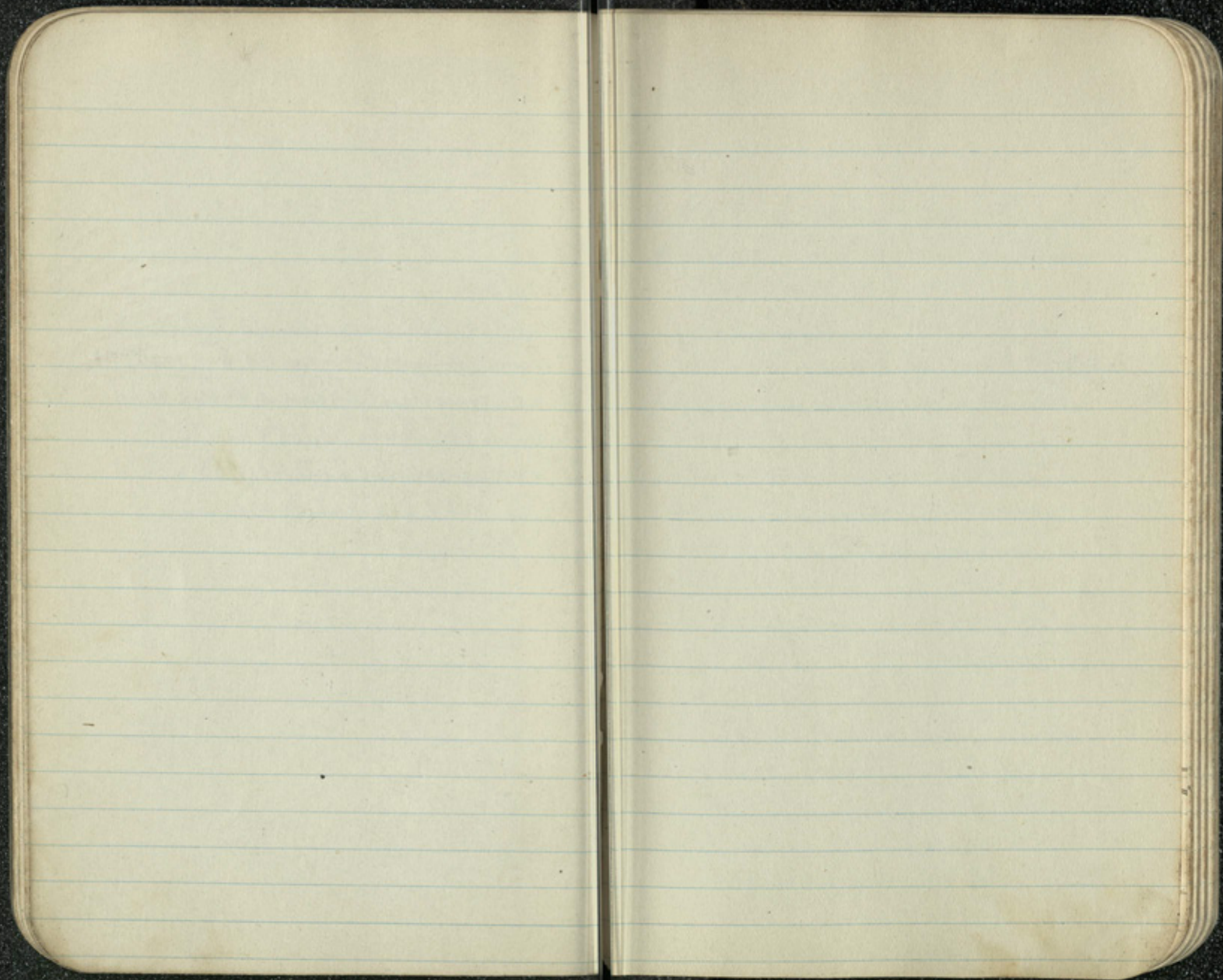
2 bottles green drawing ink 2
 2 " yellow " " 2
 1 roll Tracing muslin 24 yards
 3 4 inch wide one side glazed . . . 15
 4 quires tracing paper 10x23 2
 4 " profile paper 10x10 to inch . . . 15
 12 pocket note books 4 by 6
 130 pages &c 2
 24 memorandum pads 3x9 2
 24 " " " 8x10 2
 2 quires blotting paper 19x24 19
 1 roll mounted drawing paper &c . . . 15
 1 " " " " " " . . . 15
 1 Board drawing board 28x32 &c . . . 19
 1 Ship " " " 30x45 " . . . 19
 2 Triangles 45 134 lonite 3 inch side . . 19
 2 " 45 " 7 " " . . . 19
 2 " 30x60 " 7 " " . . . 19
 2 " 30x60 " 11 " " . . . 19
 2 " 45 " 14 " " . . . 19
 2 " 30x60 17 " " . . . 19
 1 Text Book on Surveying by
 St. Harry Phelps 45c 1

2 Books of logarithmic tables
 Seven place 1
 6 quires Manila paper for
 boat sheets & rough work 13
 1 Copy Survey of West coast ^{Not} }
 of Lower California _{Survey}
 1 Copy Deep Sea Explorations . . . 20
 3 each . . . Copy Nautical Almanac
 & Ephemeris 1912-1913-1914-1915 . . . 1
 4 rubber blankets 6x6 19
 2 four pound apex with hickory
 shelves &c 13
 10 pounds 9 thread seizing stuff . . . 6
 30 " hand lead lines 5
 30 " coasting lead lines 7
 15 5 pound leads 10
 15 seven pound leads 11
 2 twenty-eight pound leads for
 Tanner boat sounding machines 15
 1 Dip circle (Kew ^{with Carnegie} _{Survey})
 3 Parallel rulers 1-24" 2-13" . . . 2
 1 Pantograph K & E 1143 14
 2 Crowbars, 13 lbs & 30 lbs . . . 15
 2 Jacob Staffs 14

2 light transits & tripods ⁽¹⁴⁾	
5165 1/2 K & E	4
1 surveying Aneroid barometer	
K & E 5910	4
1 T square K & E 2043-30"	2
2 Pedometers K & E 6901	2
10 Tide books	20
25 Sounding "	20
15 Angle "	20
2 Copies American Practical Navigator	1
1 " C. & G. S. tide tables	1
1 set charts New York to Cape York	1
Greenland	
2 sets polar charts	1
1 rolling = rulers	2
K & E 1750	
1 Johnson's Surveying book #50	1
1 Merriman's Engineer's hand book	1
#57-1 K & E	
1 Deep Sea thermometer	20
1 hot telegraph wire	20
1 reel of line	20
2 telegraph relays	20



1 Tripod	2
1 Compass declinometer no. 740	1
1 Artificial horizon no 5	1
1 Aluminium registering shears no. 1	1
2 pocket sextants no. 168 & no. 176	1
1 Astronomical Sextant no. 355	1
2 Extra indep Sextant mirrors	1
2 " horizon " "	1



1, 4 ft wind vane & mounting for
same to fit standard $\frac{1}{2}$ " pipe

Coupling	1
2 Anemometers, no. 802 & 957	2
2 sets anemometer cups (copper)	2
1 Mercurial Barometer #626	2
1 box for above (small)	3
2 maximum thermometers no. 16614 & 16621	3
2 minimum thermometers no. 11126 & 11671	3
1 Psychrometer, sling no. 415	3
1 pin support for Anemometer for $\frac{1}{2}$ " pipe	3
Printed forms & stationery Supplies, weather code re	4
1 Aneroid barometer no. 1179	5
1 Barograph no. 22619	5
1 Thermograph no. 55230, 3 extra B & T pens	5
1 bot. clove oil . 5 bot. reg. ink	5

(in personal supplies) 23.

1 Anemometer wrench . . .	5
1 single anemometer register	
no. 342	6
1 rain and snow gage no.	7
1 box support (wooden) for same . . .	7
6 measuring sticks 100 ft	7
2 cond. cable	7
1 instrument shelter	8

1 / Describe our fire
food etc compared to
camping trip at home

Oddie & I had four puppies
+ 1 large Pearded komatik.
The puppies had not learned
to drive and we took about
2000 lbs to get up the glacier.
The wind blew full & blazes and
did away some when about
2000 lbs when we started the
igloo. Oddie had forgotten the
snow knife. He cut some
with the little camp hatchet but
I had to cut all the blocks
+ do all the building. He
was not tall enough to
hand me the big blocks. The
snow was hard as ice.
I built a large igloo
on account of the lining to
be put in. ~~It~~ I was not
shape + ~~was~~ very tired
when I got finished. We
did not put the lining in.
I'm now back overlooking the

As we are near the
Lake ice is easy to get. Had
a hard time getting Oodi out.
When I went out a rabbit
was only a few feet away
from the igloo. He went
up the hill before I could
get the rifle. Oodi went
to Etah to get meat from the
fox traps. I spent all day
building another igloo in
front of the big one. A
blue fox came out on the
lake & put down. I chased
him about three miles up ^{among}
the cliffs but he got away.
On my way back I saw
Oodi & Ah-shah-wah along
by along, the former holding
the miserable pups of the
latter weighted down with
a baby in her hand.
By this time a gale was

blowing. & the wind was
smoking. I thought the
two would finish before
they got up the river which
leads to the lake. I was
about two feet up among
the rocks & could not get
down to help them. I thought
with the living in & the
red flat pan full of skin
we are using. Comfortable
the baby is doing his head
hot to tear everything to
pieces.
I smell - ferrous

Even a dirty ^{mill-farmer} horn-eyed
smelly inferior woman is
a woman + as now a
bit - but aimed the commercial
to do things to make us comfort-
able which ~~the~~ I should
never have thought. The factories
are so warm + nice tonight
+ my pig tasted so sweet the
I got out the harmonica + played

home sweet home. The baby
joined in laughing the end.
now. Apparently she can tell time by her
watch. When he gets up for his nap he
comes up into the living room & ties
the hands around until they look like
the balance clock on the shelf. He turns
a little & then holds it up for
comparison. The other night he did this
for nearly 5 minutes before he was
satisfied.

3

Hard wind. When visited.
I built cairns & sketched
lake etc. At sunset Robert
Oddie returned to stay. Worked
from 5 to 14 hrs from early
glaciers, further in from windows
& gathering grass (with rocks)
Oh. coughed hard all day on
the igloo it is a place to
visit & she is happier than I

have ever seen her.

4

She came at. ^{and} ^{made} ^{holes} in
the seal skin windows. She asked
me to do it but knowing no better
way than to punch any hole thru
it I asked her. She stuck a
needle thru ^{in between the sodas} & ^{and} a perfect circle
was made. This is characteristic of the
Eskimo i.e. that they have their
own particular ways of doing things.
Thinks learned from the white
men are always quite distinct.
I finished up the triangulation
today in spite of wind. The day
was nice.

At dusk ^{her} seemed a little dis-
gusted with all the running
altho I drew pictures of the
Fjord for her. This morning I should
a rather sporty 50 miles up into the
hills & finally killed her. She

Lady's opinion of me is im-
proved as now is she about
the big fat rabbit. Tonight I
had a delicious stew & some
charolais. The baby met the
And + put her hand. Saw 4 blue foxes

5 box

Snow storm. Made another
hole in the igloo because it
was so warm. I slept 11 hrs.
Baby's birthday & counting stopped
giving Oh a chance to new.
She told me in detail
about her relations & an-
cestors. Some were big & one
was small. Many killed the
mouse musk of walrus & bear
but one big one who slays & his
children staminal. etc. etc. Also
brother has whiskers like white man.
Told me tale of eskimoes coming
up from Baffin Land, Lisay
+ Phinkpah. only ones left

FAMINES

of thin children. Told me of famines
& of times when there was no food
except from the flock of geese. I
notice with this nature as with
the others that she has ^{double} ~~no~~ ^{double}
aesthetic taste. To her all apper-
tiate pretty things but in making
a house, kayak, umiaks etc,
utility is the object, never
beauty. When a touch of
the knife etc would add
to the looks of something with
out adding to its usefulness
that touch is never made.

At her ~~words~~ ^{words} a de-Indian
like - I can make any music or
sing, & the baby can make the
noise but she is always quiet,
and smiling & never raises her
voice.

The Esk. are resourceful inge-
nious & full of common sense but
they lack tidiness and their imi-
tation powers are as often hidden

hybrid shyness.

A philosophy under these conditions is easily outlined.

They ~~time~~ means work. At night the feeling is strong that there is a warm place to sleep, some thing to eat & a living creature near. Beyond that the third body's mind will not go.

At noon three hawks appeared from the river mouth. I saw make an Arctic Bush-tit & a kind of sparrow who lived out to be Pineson. Tank was ^{with} ~~on~~ Arctic. A number of visitors are up from Nerbe. They are getting well now for the staying days. ~~and visitors~~ Peter sent word that Rossman's letter ^{explains} tells us more than he has told us. Rossman has gone to war & our mail did not come. All left after a short visit even Al. the baby who wanted to fall with the Eskos. I spent the afternoon

building a large wind break. This ~~was a~~ ^{was a} lot of new powdery snow & I am tired to night. Had some delicious rabbit & cranberry sauce. The lake is popping. Just after the crowd arrived the sun came out & this place was too lovely for words.

6.

I slept nearly eleven hours, awoke to find sunlight streaming in through the window. I went out while my coffee was brewing. The sun lit on the brilliant snow covered ~~rocks~~ & lakes dazzled my eyes but my ears caught a faint halloo from across the way. I made out Allen or his stris. He stayed while I had breakfast. The visitors have left. Peter's letter said also

that Mrs. Wilson's wife had fallen down stairs + had died from the injuries. I spread grass on the mud brick platform and covered it all with sleeping bags + skins. While I was fixing up in the house up with Tang. We made tea + baked in the oven. Wind protected from the wind. When about six o'clock the tang. was full to blow zero + I put out after supper. I rounded one, had a long chase up a 1400' talus, stay is a cliff, then find to find the animal where I lost the bloody tracks among the rocks. I had a devil of a climb down. When I returned I found a beautiful caribou horn antlers + stuck up over our door. Men + Wabichos greeted me at the Igloo. They are on their way to hunt bears in Ellesmere Sound.

+ having we were here some of you arrived. To night we had a fine dinner of rabbit stew with ~~potatoes~~ + ~~potatoes~~ + ~~potatoes~~ in it. We topped up on a few peaches. Tang had a cigar inside. At about 11 o'clock a south wind sprang up + quickly increased to a gale. To night the whole place is smothered with the powdery snow which fell day before yesterday. The ~~streamers~~ ^{small} streamers from the cliffs extend almost across the glacier. I had to go out + fix the snow house. The weather is a mess.

7/

At 3:50 this Am. I was awakened by the howling of the gale. We could see the daylight ground brighter though the thinning walls of the snow.

tail
to a baby (look!)
window of igloo
saw

looking glass

ear
clouds

hair

bottle

wind break

Peter's wife

pūm-mē-ah
āi-pē-look-o-oh
ee-ēh-lāh
pēl-look-too-ta
tāy-lāh-Tom
see-vo-d (see-w-tu)
noo-ee-yah
noo-yah
need-lah-yah-hō
o-coi-tah
Nāh-vah-rān-ah

wind driven snow but on
them like sand & chiseled
the surfaces away, to save me
I had to get up & out into the
storm. For two hours I
worked & finally got a protesting
well built & a slender fellow
from over the weather side.
We stopped later. Kempton appeared
about 1 P.M. with a note from
the post back by him & he
the news was good. Mr. Kempton
had a hard time getting up in
the wind at last. This evening the
weather cleared some & I
walked to the house. I re-
turned at 10 P.M. wind over
by the weather with wind.
Tonight had to build some
more on the weather side.
Wind howling down from
the cliff!

8

Adie came up & got Tanka this
 am. The morning was perfect,
 warm & still. But Tanka was
 afraid he might not get a chance
 to go a game by himself so he
 left. I spent the day hunting rabbits.
 Tonight I cut enough new blinks
 for another igloo. I was very
 tired & hungry when I got supper
 about 9 P.M. Just as I started
 to eat Ahluhahigah came in.

At. told Ah. Peter's father
 another sister & brother perhaps
 were dead. She said that
 Esquimaux did not mind as
 much when their Father
 Mother etc. died but when
 they lost a child they were
 heart broken.

At. suddenly began
 to

sing. He sang very good to them
 which was very happy. The
 tent was cleared from the
 photograph. This am I awoke
 in a dawn misty humor & the
 tried to cheer me up & then
 said she wanted to die & I
 would shoot her. I told
 her that definitely she would
 be happy in 23 days & she
 was happy again.

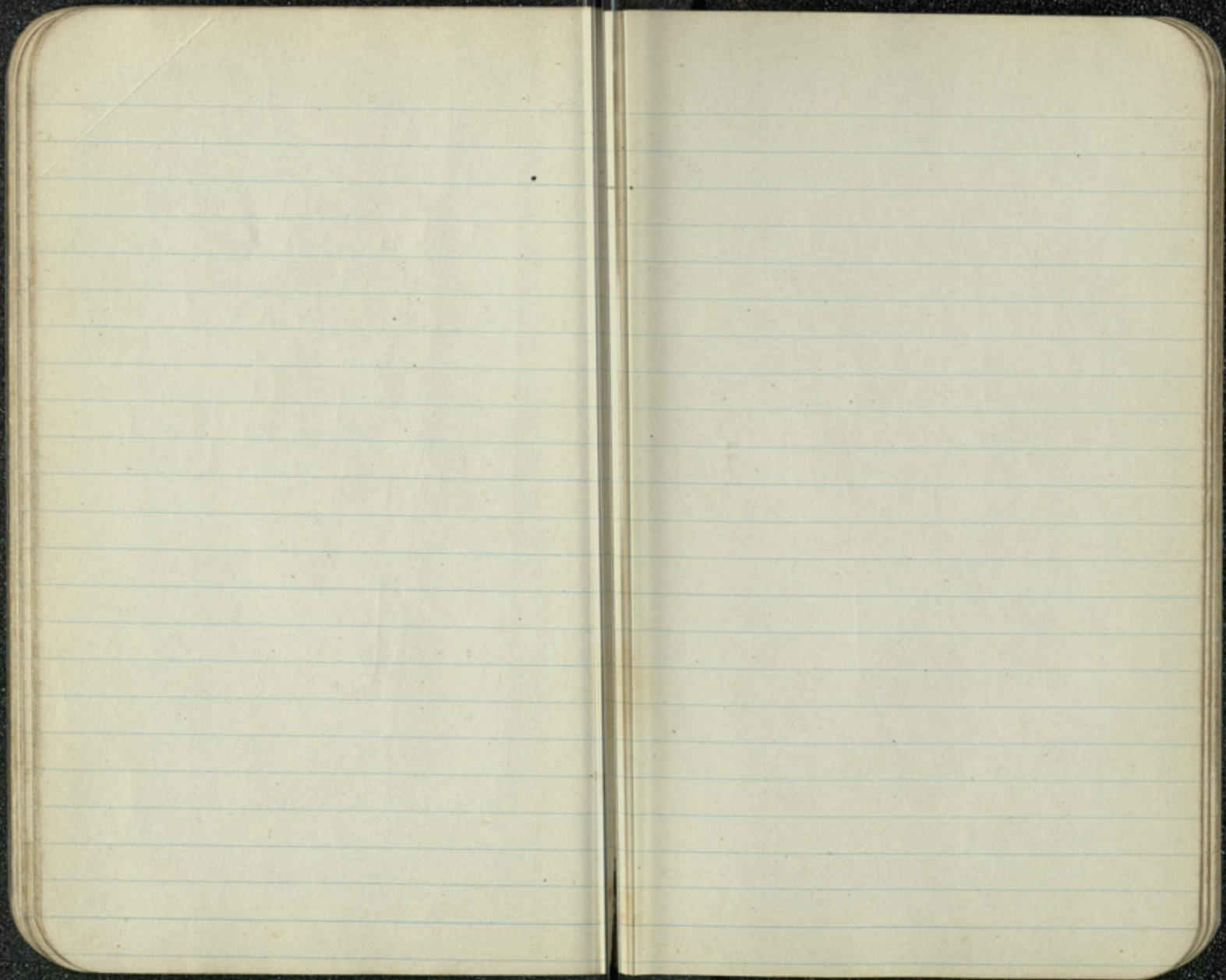
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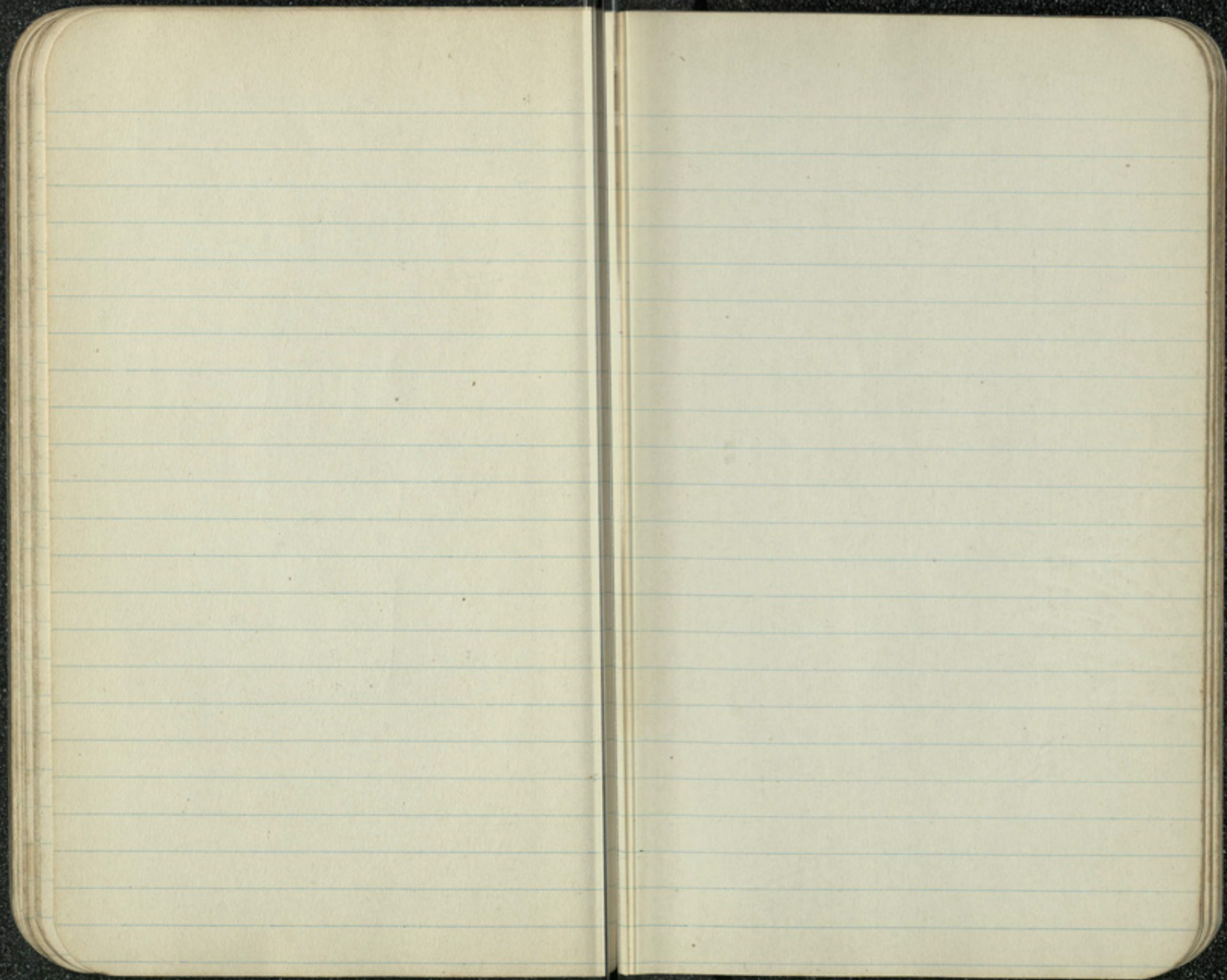
Built another igloo -
 big one. Moved everything
 over & got turned in at
 2 AM. Had hot
 work.

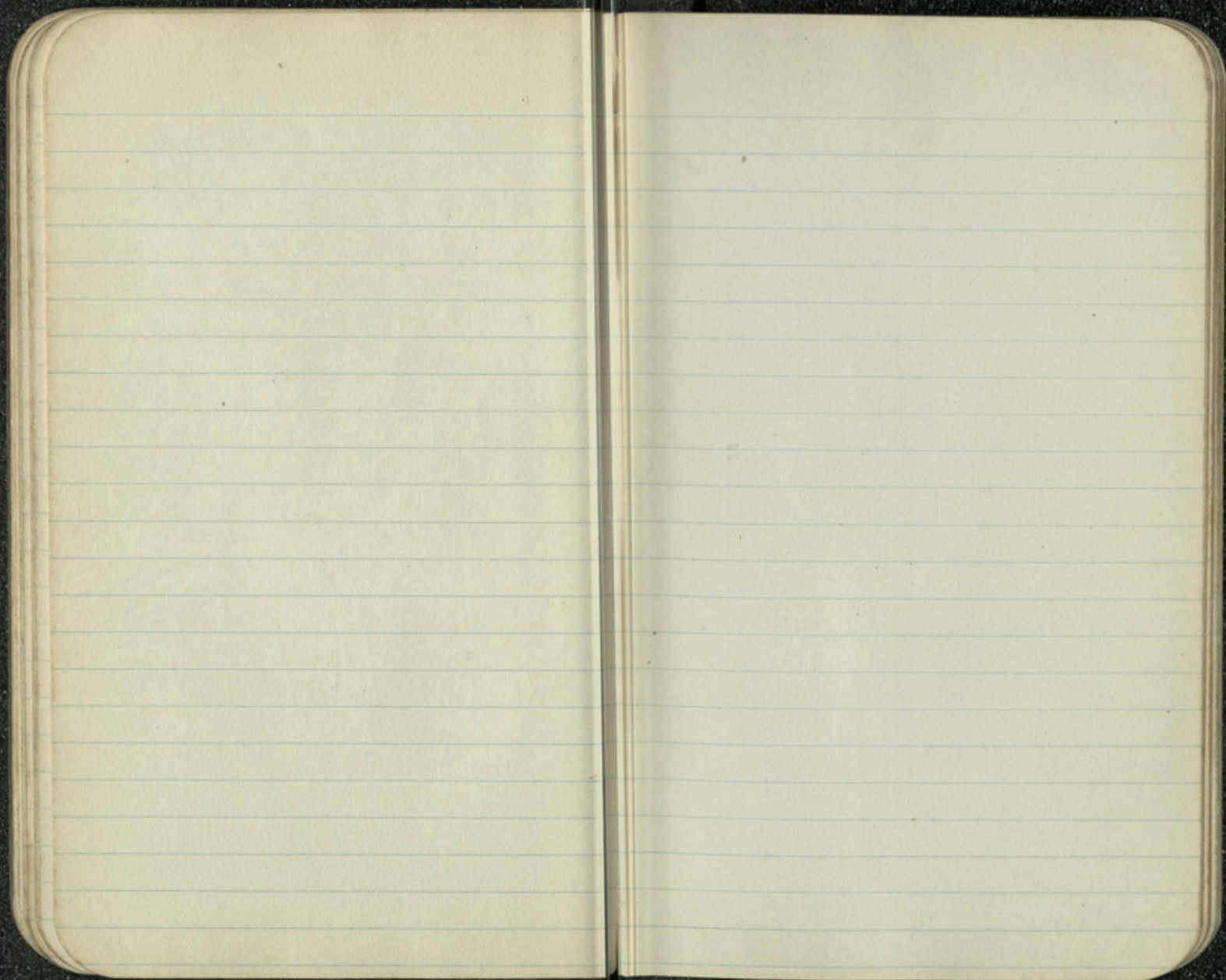
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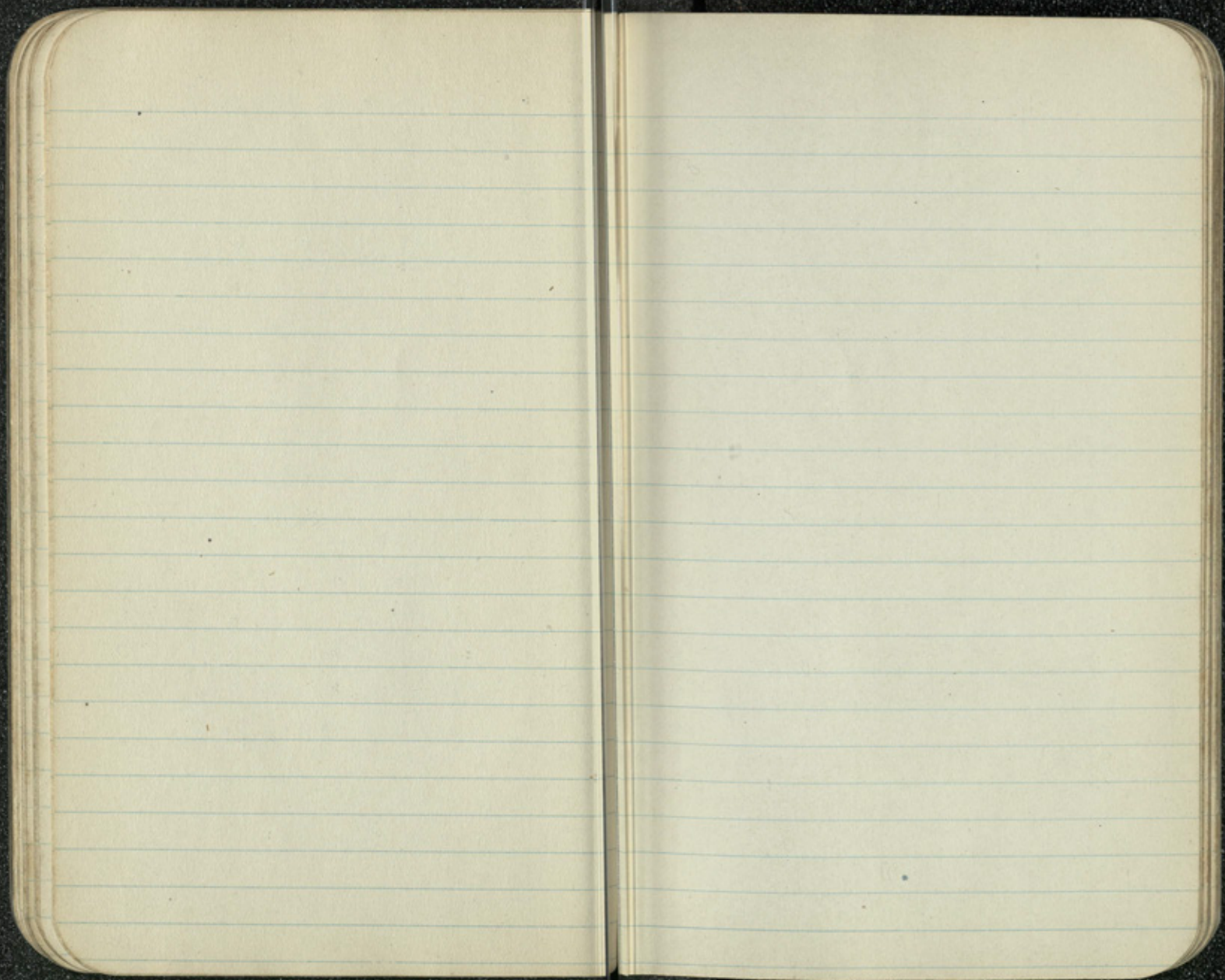
Built small igloo -
 Read in hand truck.
 Visited fox traps. Saw

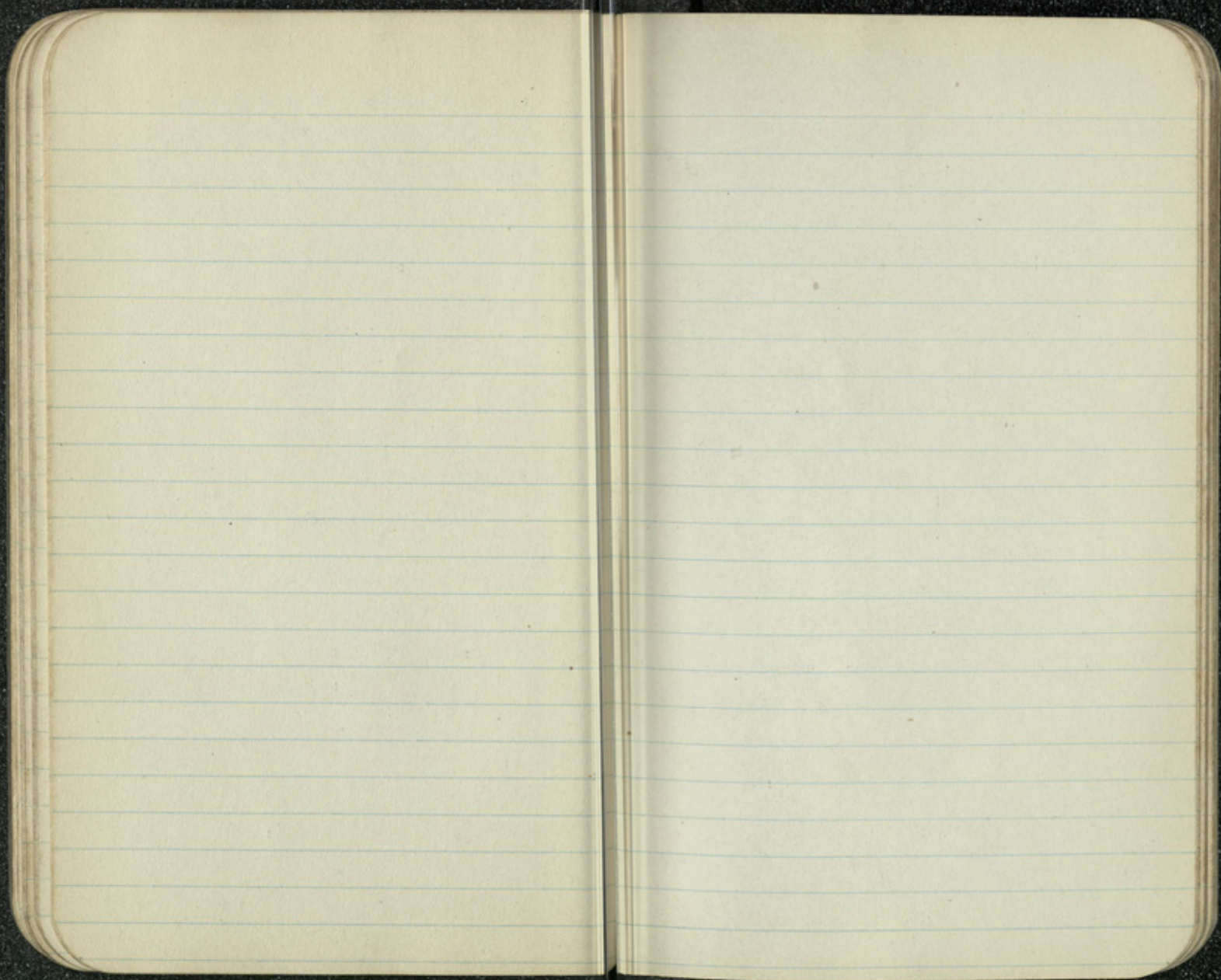
6 blue foxes on this
ice. Ah. said they looked
like live & when the tide
cracks grunted added that
they were ^{live} being very
comfortable tonight.

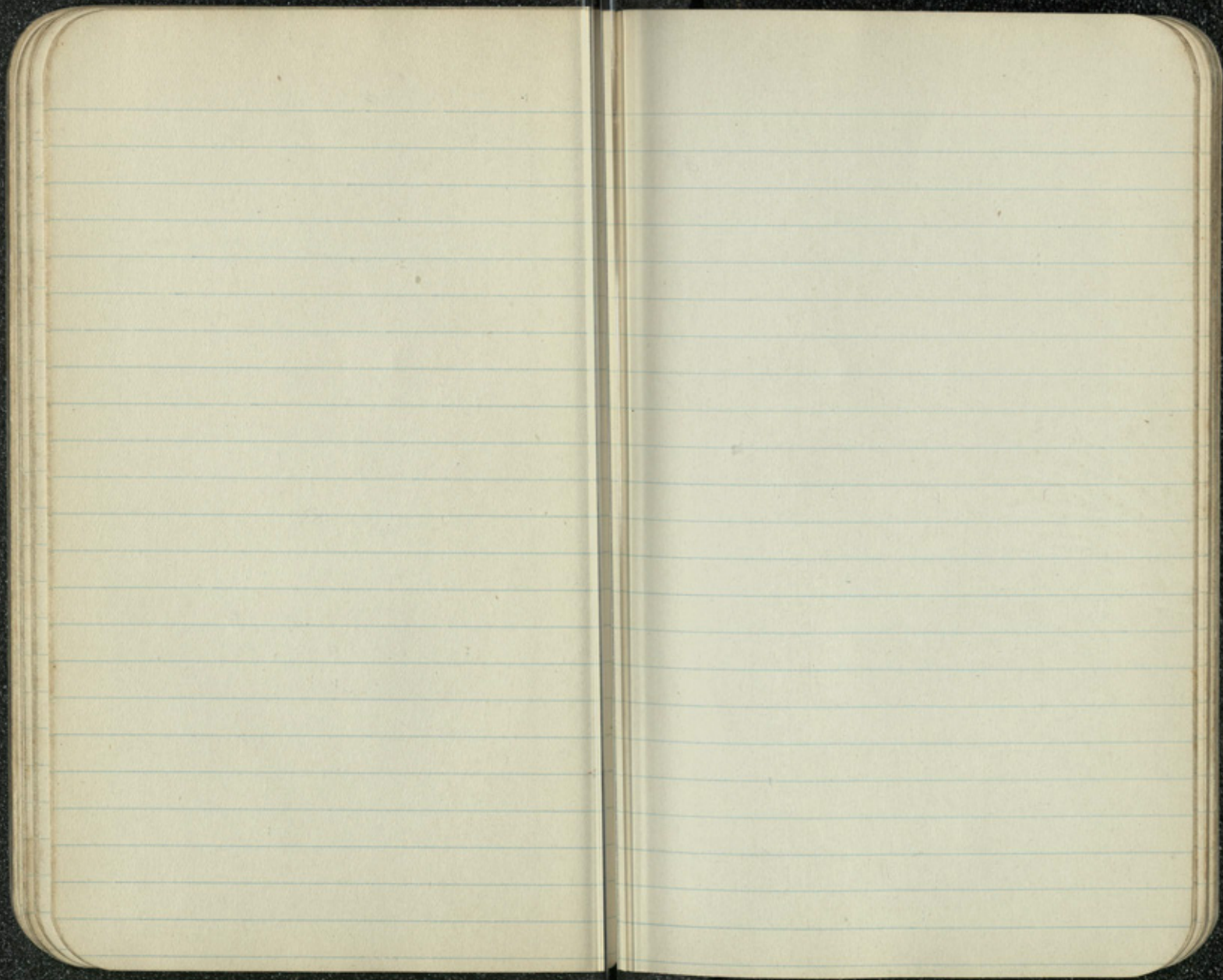


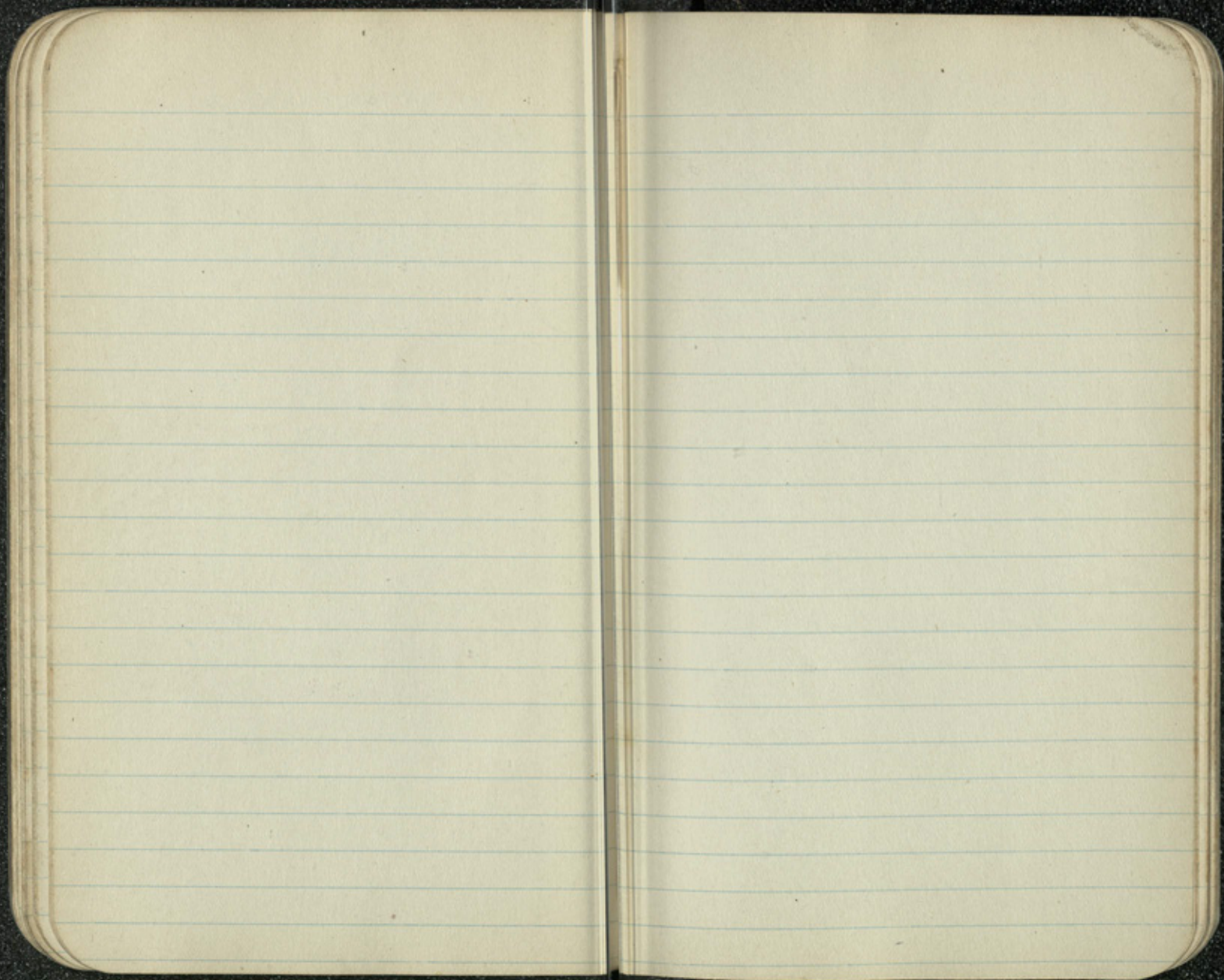


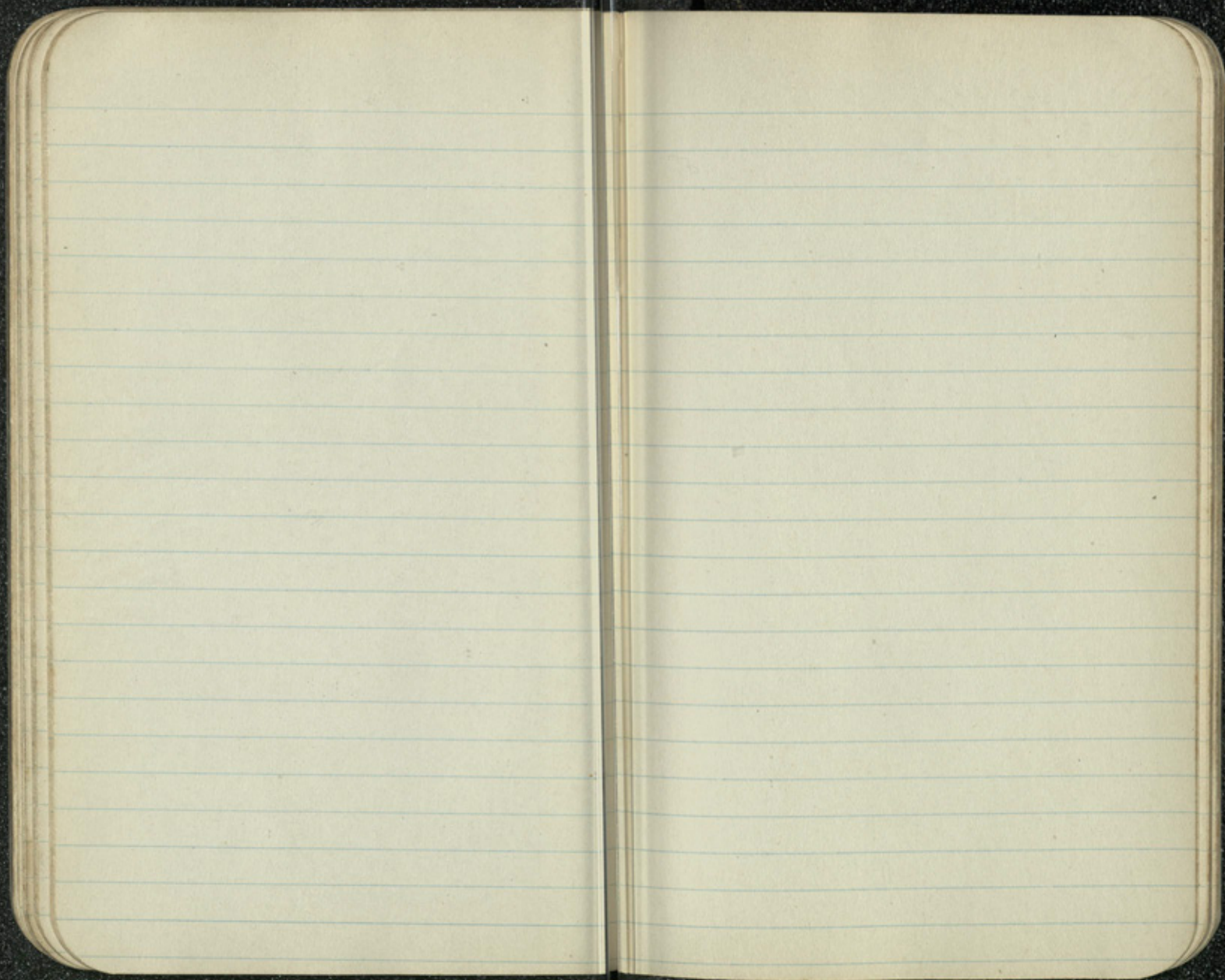


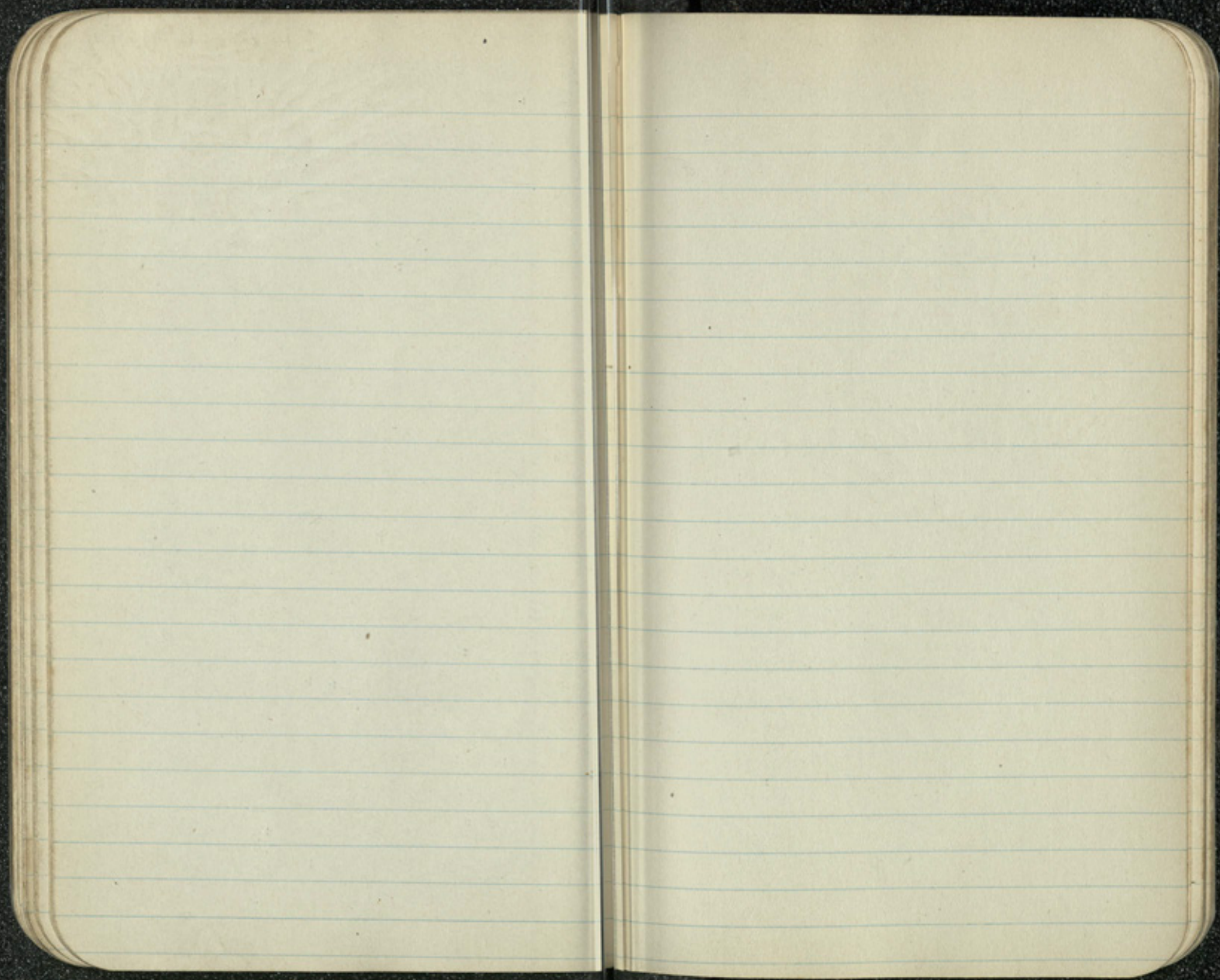


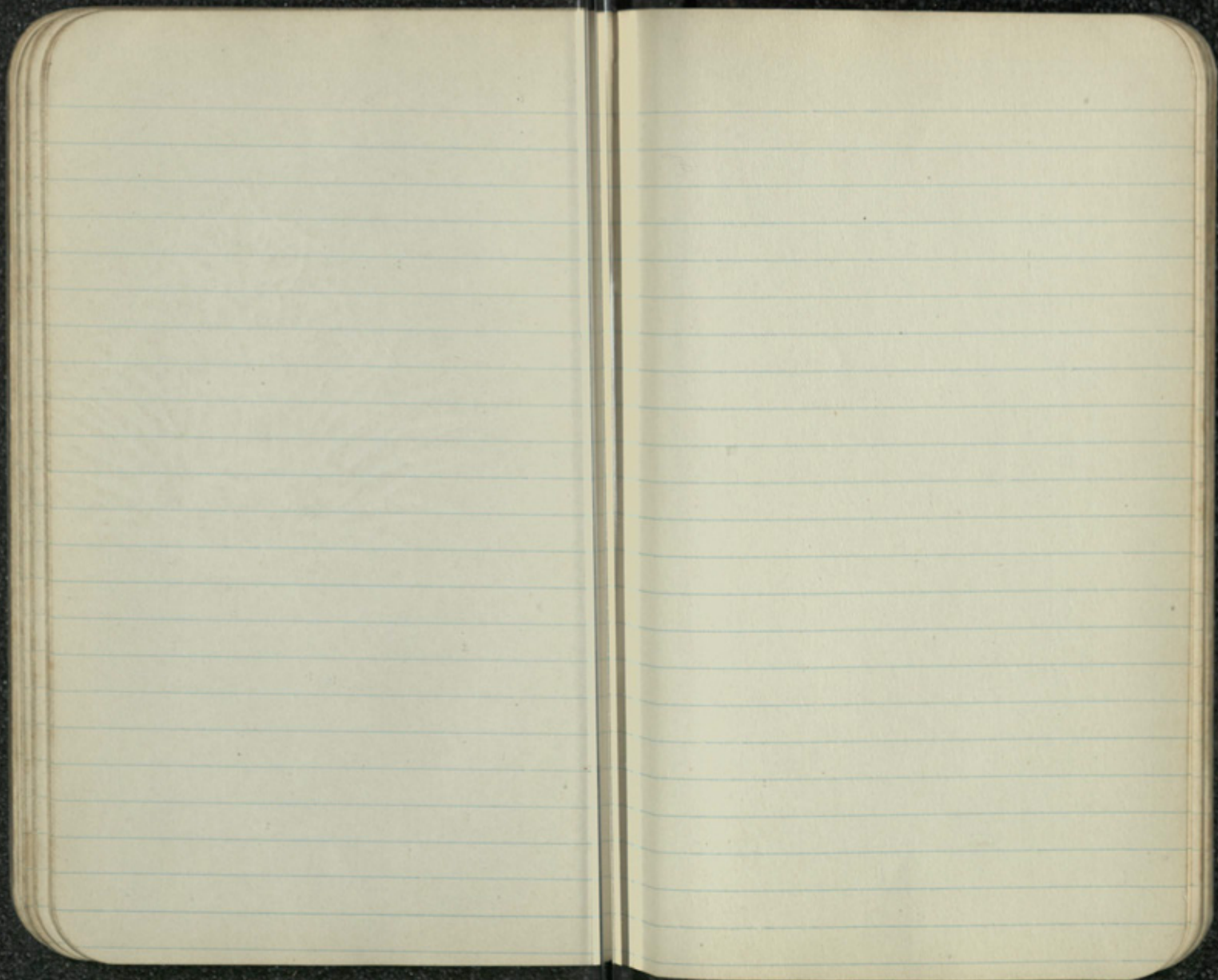


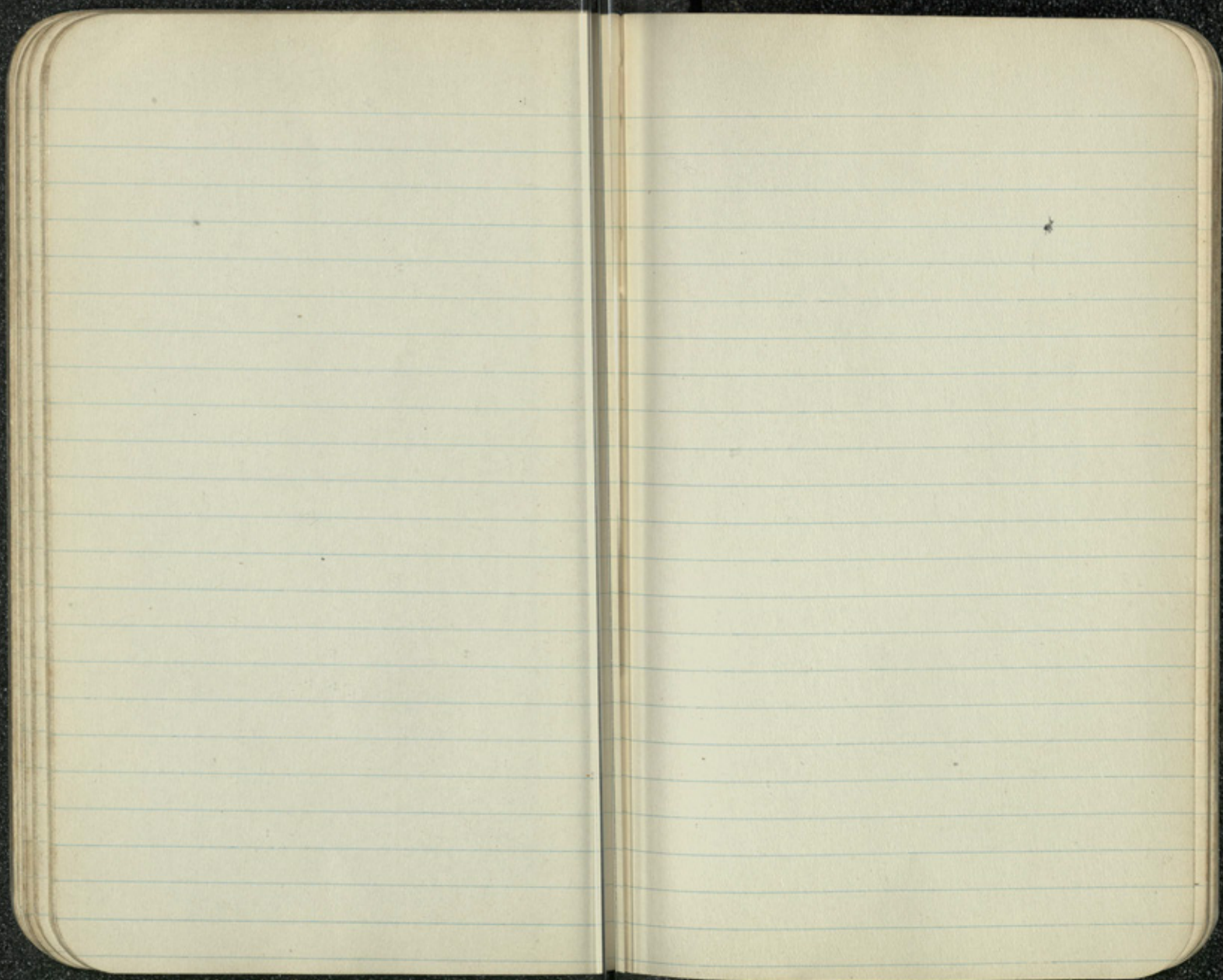


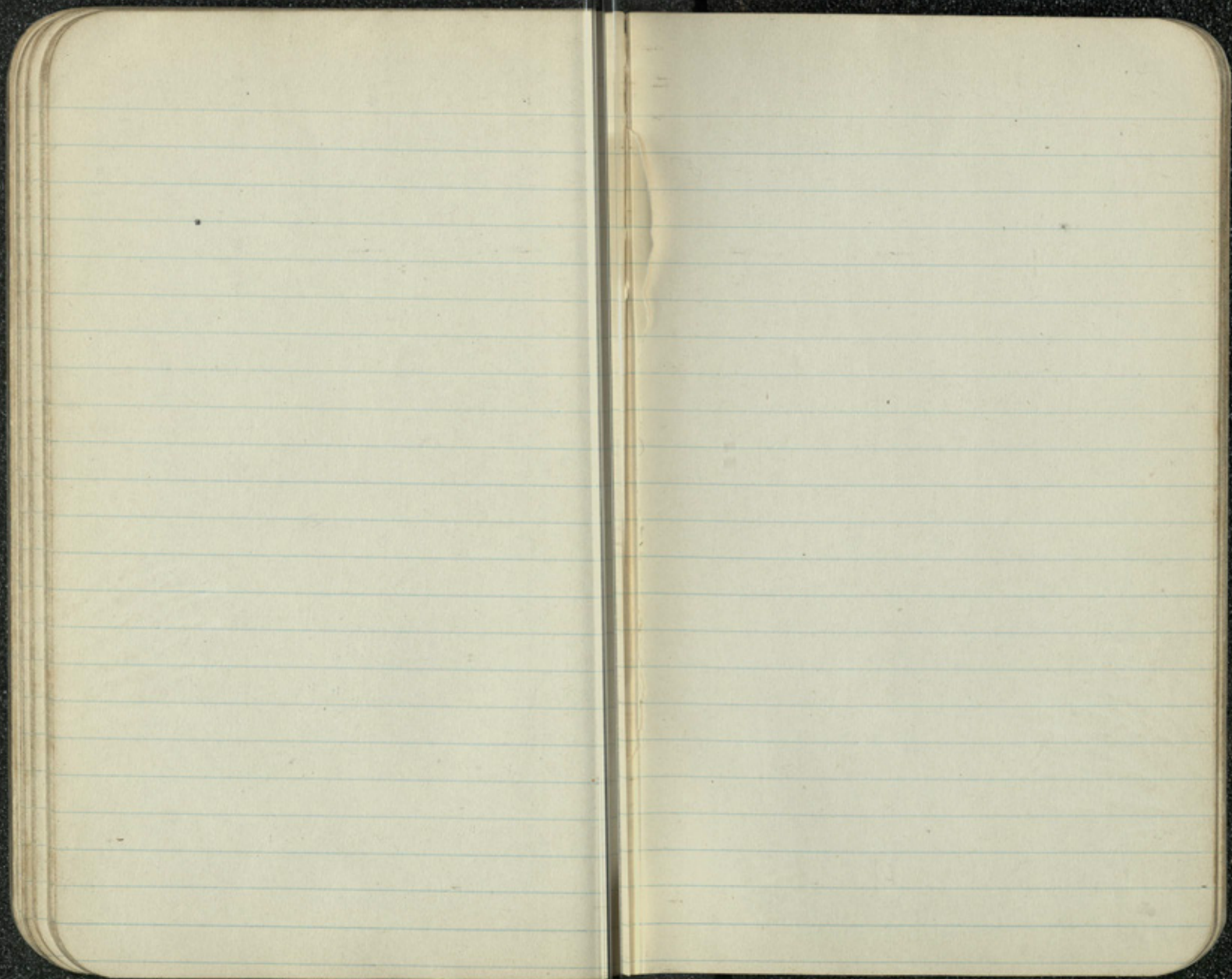


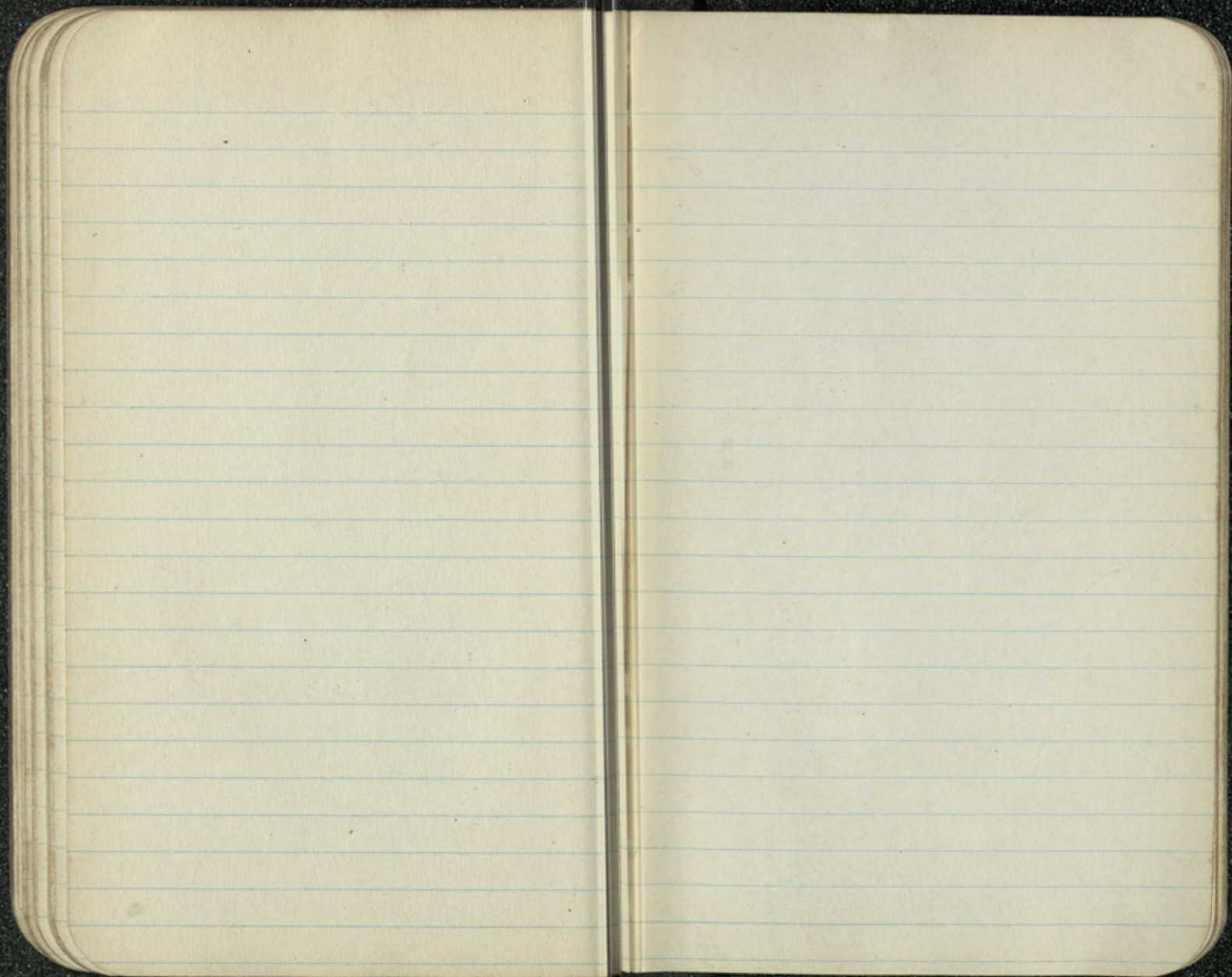


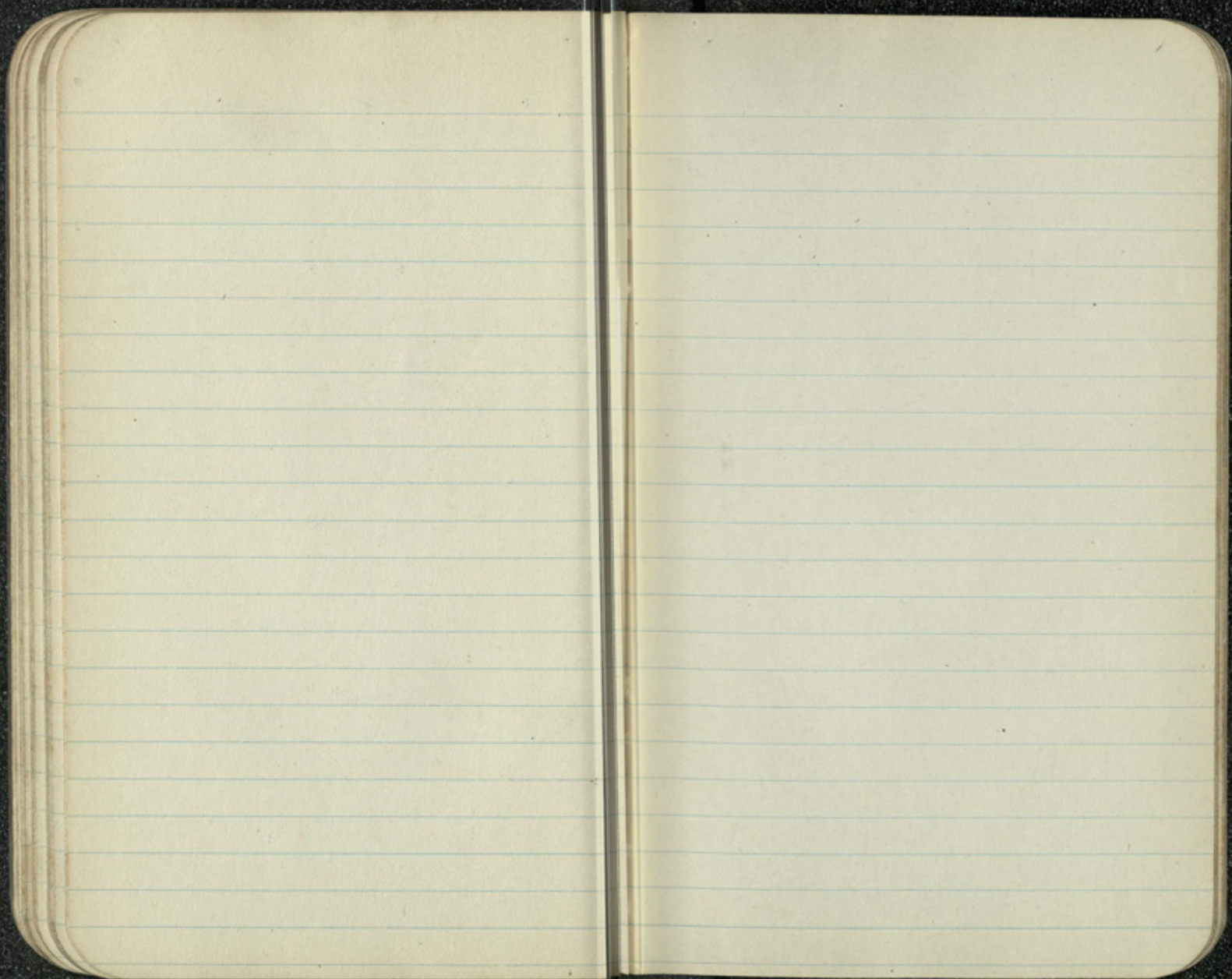


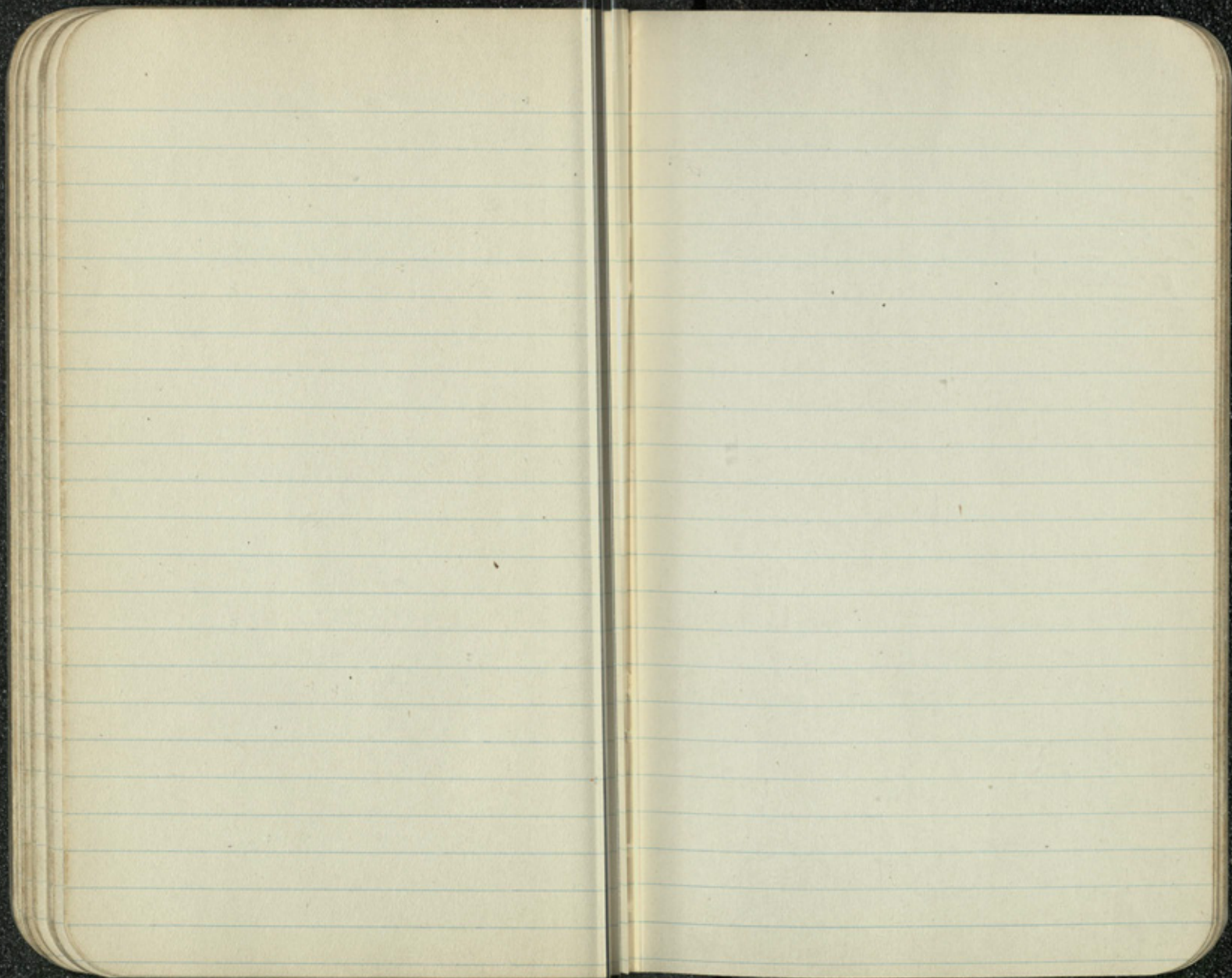


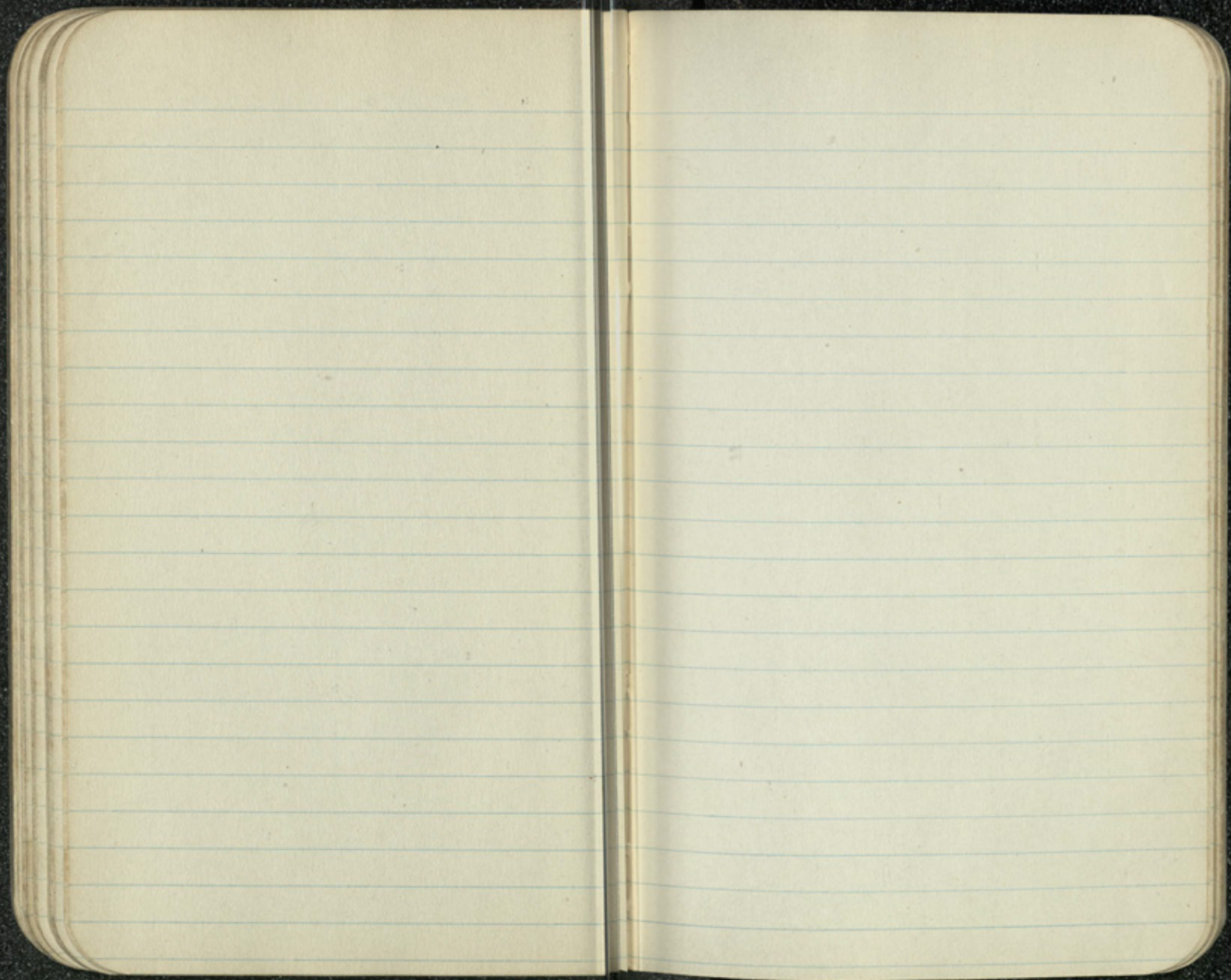


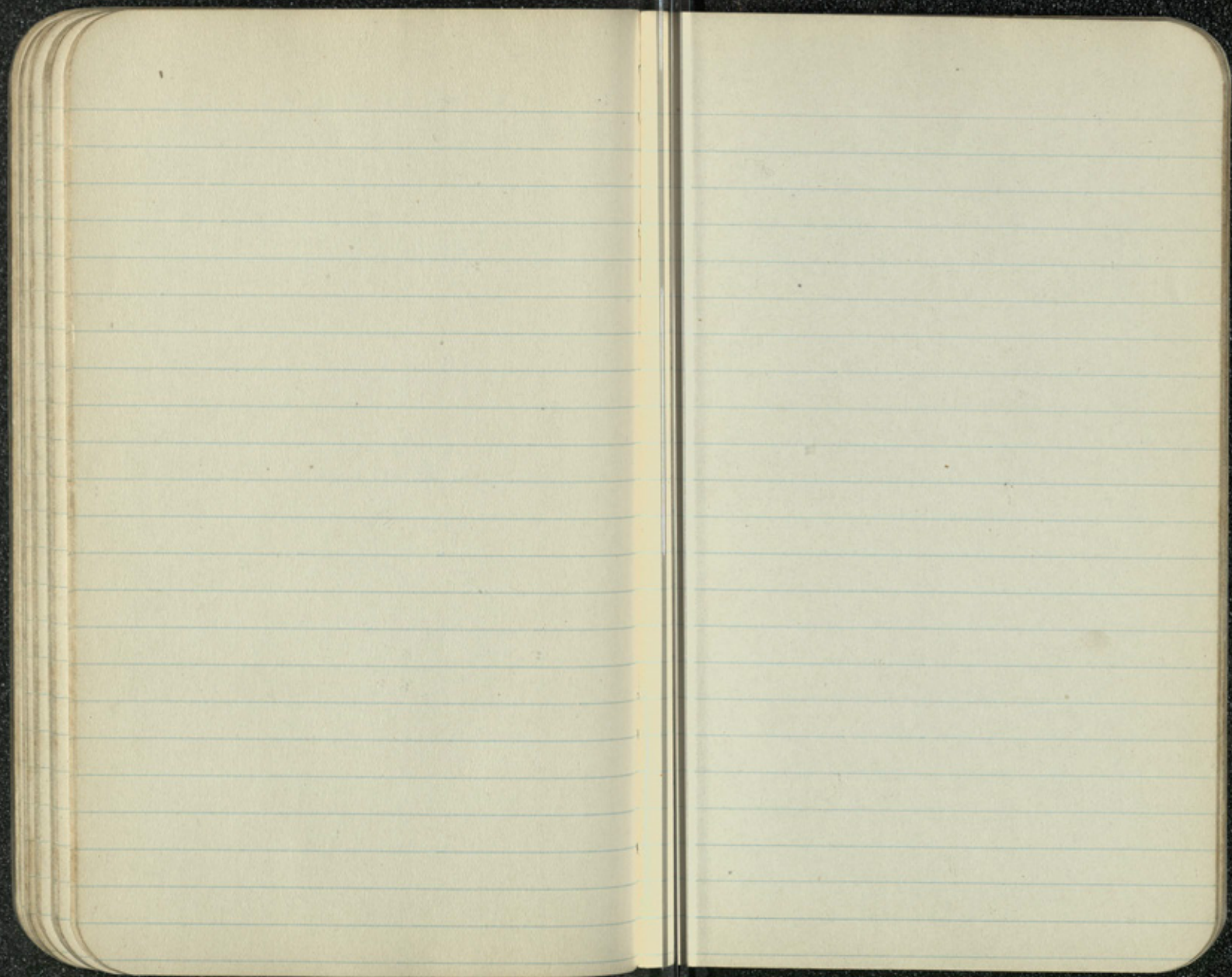


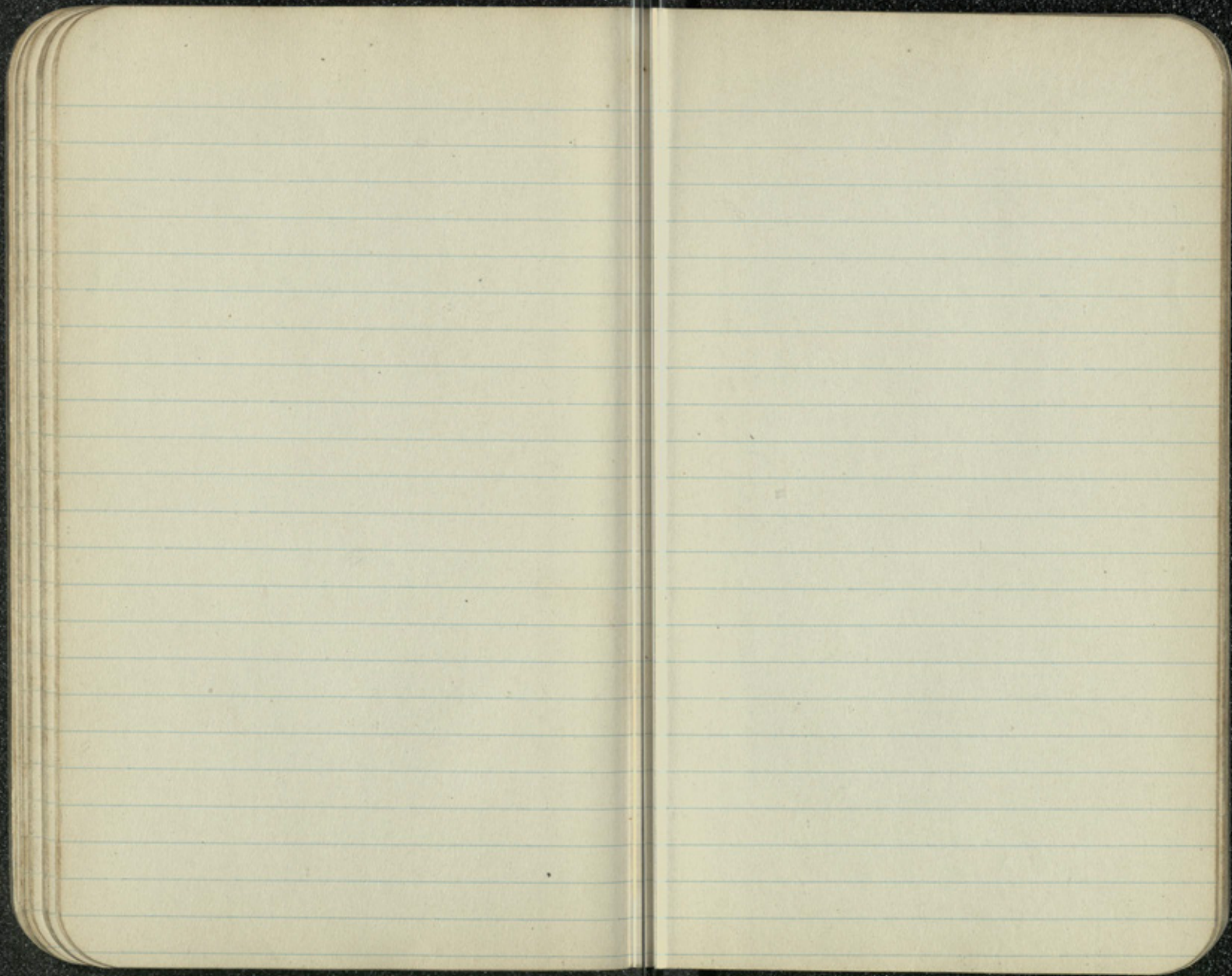


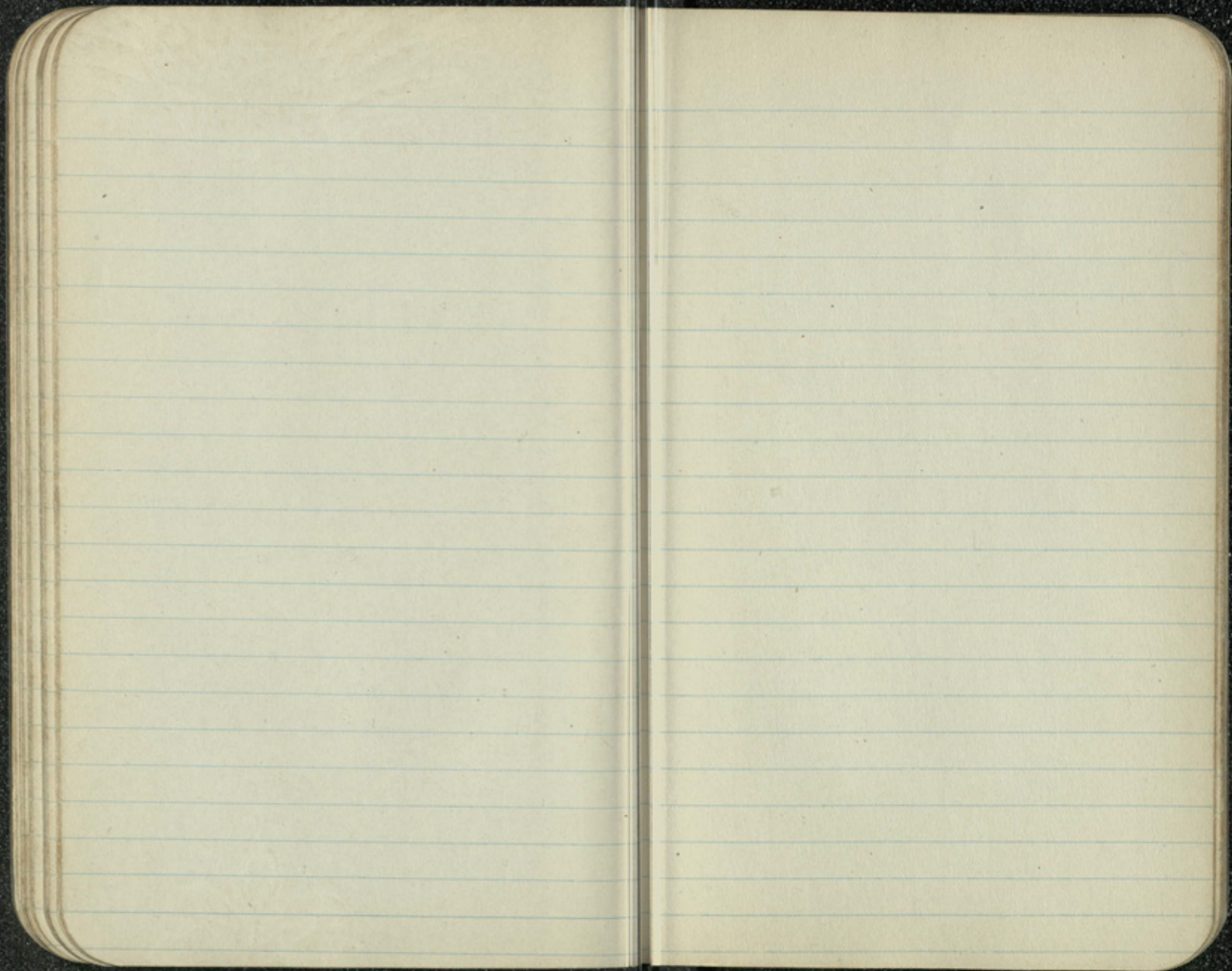


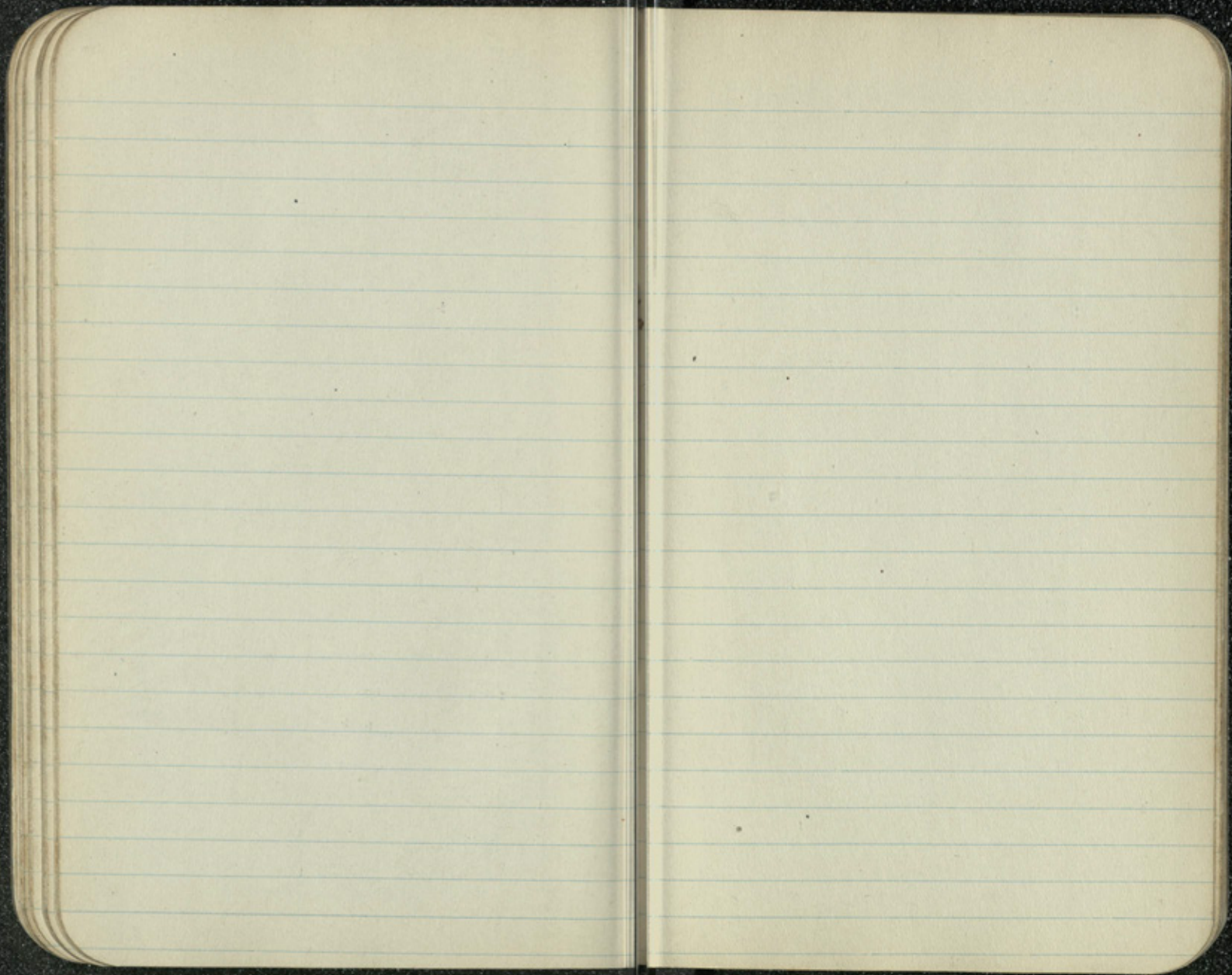


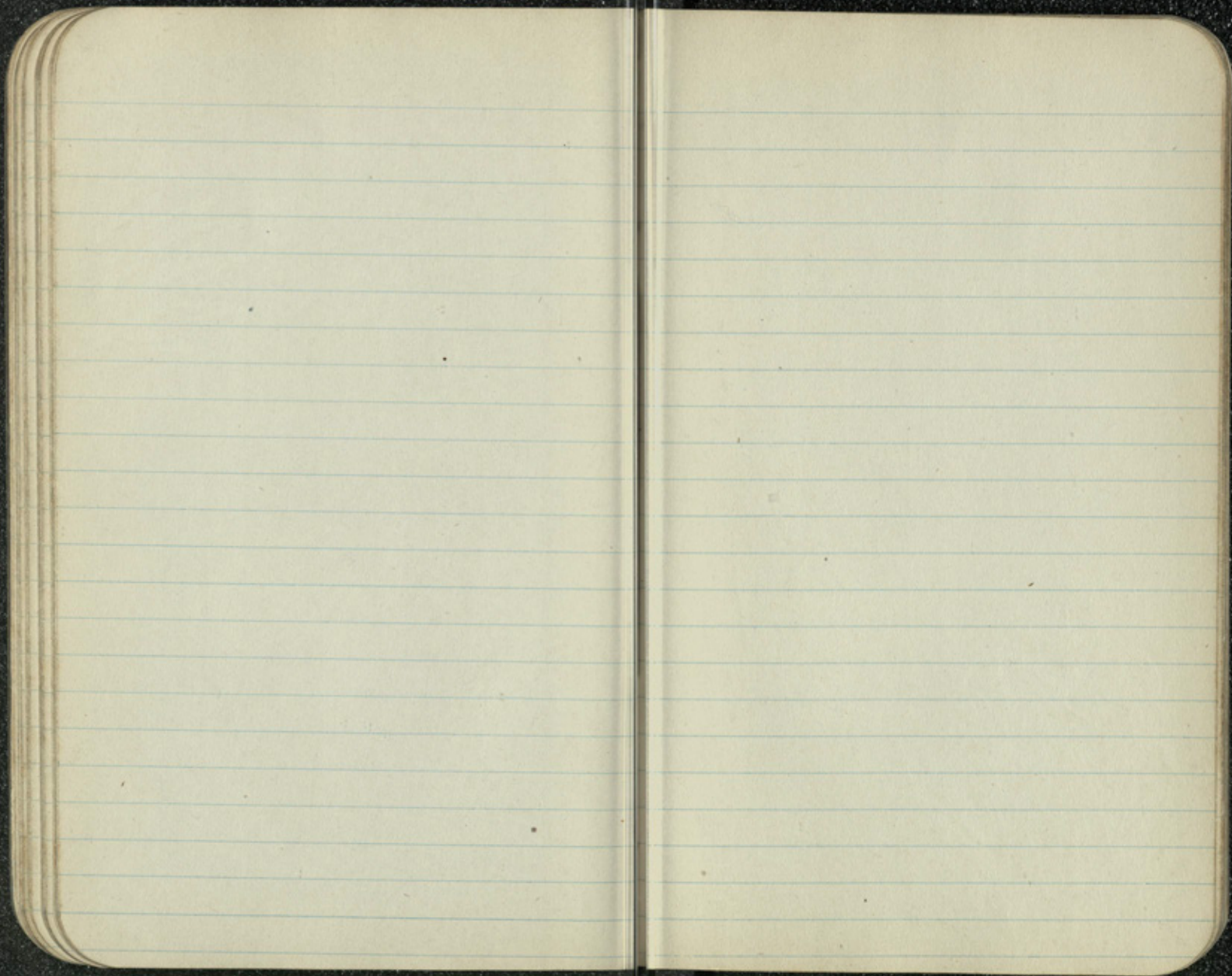


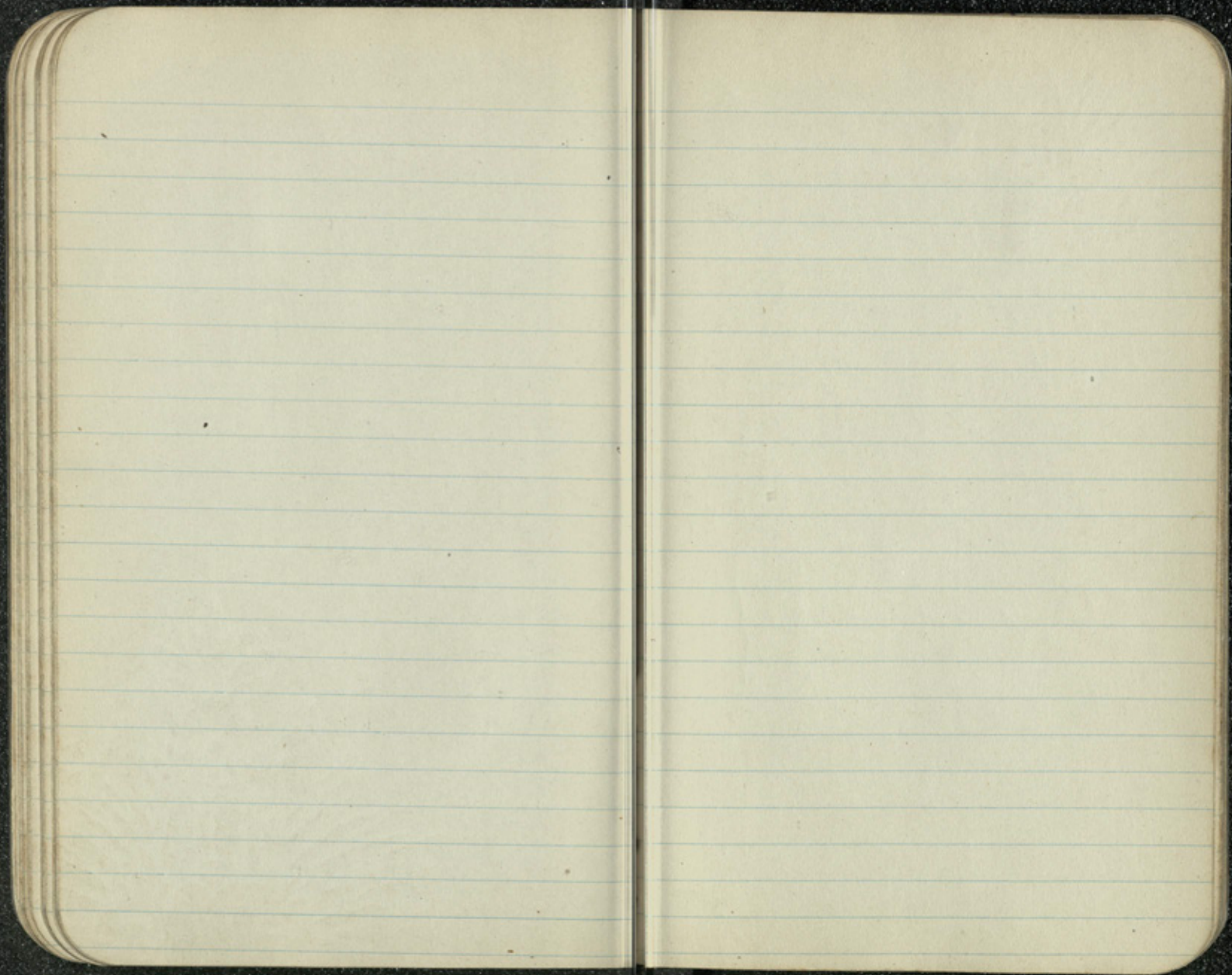






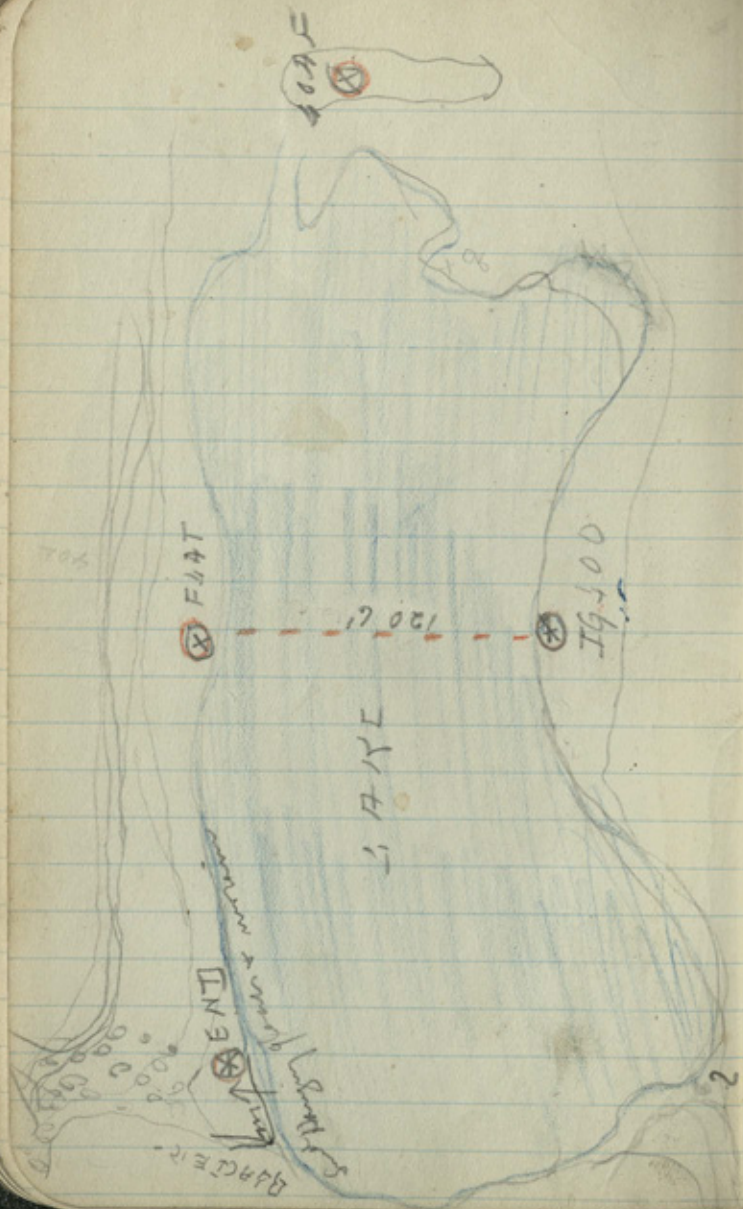






≡ L

Forest old house (?) 500
feet up on south side.



402 Pm

I 9400

2	338	
End	318	
Flat	248	$\frac{24}{11}$
h	187	
n	182	
g	173	15 tang
LOAF	171	
z	165	r tang

404F (corrected station)

f	15	158	
e		151	
Rock		141	
a		130	
tang at f		109	
2 tang thru		100	
r tang Drum		85	
center E. valley		50	
a		39	
Tang g		338	0.15
Zgloo		347	
2		338	
Emil		328	
FLAT		316*	
Rt tang glacier		314	0.15
h		265	

ROCK

IRUM

FLAT	300
LOAF	262
ROCK	25
2 tang loaf	288
1 tang 2 tang	255
f	210
e	182
ROCK	174
or	173
c	142

3 angles at Drum.

FLAT

IG200 64
End 342
Center of River 140
40AF (2) 131
DAM 118
2 108

END

F4AT 145
IG400 140
2 41

