

Ek. 1

Crockerland Trip.

FIELD NOTE BOOK

CROCKER LAND EXPEDITION

2
1913 - 1915

No. 2

with index correction.

$n = R + S$
 $n' = R - S$

$R =$ Reading in coincidence

Ref. Ref.
 Ref. Ref.

$S =$ app. diam. Sun.

$n = R + S$

$n' = R - S$

$R = \frac{1}{2}(n + n')$

correction $- R$.

on the arc $31' - 20'' -$

off " " $33' - 16'' +$

$2 \quad + 1 \quad 50$
 $+ 0 \quad 55$

#1 Watch

Feb 6-'14 Correct on 75th Meridian

Time - Daily rate losing 37 sec.

#2 Watch

Feb 6-'14 Correct on 75th Merid.

Time - Daily rate losing 1.3 min.

Method Used for determining latitude
from position of sun.

At noon

April 6 - With Artificial Horizon -

Alt from Sextant

12° - 36'

Index Correction

+ 3

if "on" subtract
if "off" add.

2 | 12° - 39'

6° - 19' - 30"

Semi-diameter

(always added if lower limb)
(always from horizon)

16

6 - 35 - 30

Ref. ^{ed} Parallax
always subtracted
Correct Alt.

- 2

6 - 26 - 30

Zenith Distance

83 33 30

Declination

add Mar 22 - Sept 22
Sub. Sept 22 - Mar 22

6 23 41

Latitude

89° 57' - 11"

Declination

Noon of date

6 18 58

H.D(?) 4 43

6 23 41

The Sun's Parallax in Altitude.

0° = "9

10° = "9

20° = "8

Latitude by Meridian Altitude

From the observed altitude deduce the true altitude, and thence the true zenith distance. Mark the zenith distance North, if the zenith is north of the body when on the meridian, South if the zenith is south of the body.

Take out the declination of the body from the Nautical Almanac for the time of meridian passage, having regard for its proper sign or name.

The Algebraic sum of the declination and zenith distance will be the latitude. Therefore add together the zenith distance and the declination if they are of the same name, but take their difference if of opposite names; this sum or difference will be the latitude, which will be of the same name as the greater.

Ex. At sea, June 21, 1879, in Long. $60^{\circ} 11'$. The observed Meridian Altitude of the sun's lower limb was $40^{\circ} 4'$; sun bearing south; I.C., $+3^{\circ} 00''$; height of eye, 20 ft; requires the altitude.

Obs. alt.	Corrections
$40^{\circ} 04' 00''$	S.D. $+ 15' 46''$
Cor. + $13' 21''$	I.C. $+ 3''$
to <u>$40^{\circ} 17' 21''$</u>	<u>$+ 18' 46''$</u>
Z $49^{\circ} 42' 59''$ N	dip $- 4' 23''$
d <u>$23^{\circ} 27' 22''$ N</u>	par $- 1' 02''$
L $73^{\circ} 10' 01''$ N	<u>$- 5' 25''$</u>
	Corr. $13' 21''$

Dec. $23^{\circ} 27' 20.5''$ N

H.D. + 0.32

Long. 46

1.28

Dec. $23^{\circ} 27' 22''$

The difference for one hour I obtain
from Harris's Geological Mensuration.

Apparent Declination

March

Mon 16	1	57	4.5
Tues 17	1	34	3
Wed 18	1	10	21
Thurs 19	2	46	38
Frid 20	2	22	57
Satur 21	2		48
Sund 22	2	24	30
Mon 23	2	48	11
Tues 24	2	11	59
Wed 25	2	35	28.5
Thurs 26	2	59	4
Frid 27	2	22	37
Sat. 28	2	46	7
Sun 29	3	2	33
Mon 30	3	32	56
Tues 31	3	56	14
April	1		
Wed 1	4	19	29
Thurs 2	4	42	38
Frid 3	5	5	42
Sat. 4	5	28	41
Sun 5	5	51	33
Mon 6	6	14	20
Tues 7	6	37	0
Wed 8	6	59	33
Thurs 9	7	21	58
Frid 10	7	44	17
Sat 11	8	6	27

Apparent Declination

Sund 12	8	28	30	May			
Mon 13	8	50	24	Sun 10	17	28	21
Tues 14	9	12	9	Mon 11	17	44	14
Wed 15	9	33	46	Tues 12	17	59	30
Thurs 16	9	55	13	Wed 13	18	14	37
Frid 17	10	16	30	Thurs 14	18	29	27
Sat 18	10	37	37	Fri 15	18	43	57
Sun 19	10	58	34	Sat 16	18	58	9
Mon 20	11	19	20	Sun 17	19	12	2
Tues 21	11	39	55.5	Mon 18	19	25	35
Wed 22	12	0	19	Tues 19	19	38	49
Thurs 23	12	20	31	Wed 20	19	51	42.5
Frid 24	12	40	31	Thurs 21	20	4	16
Sat 25	13	0	18	Fri 22	20	16	29
Sun 26	13	19	52	Sat 23	20	28	21
Mon 27	13	39	13	Sun 24	20	39	52
Tues 28	13	58	21	Mon 25	20	51	1.5
Wed 29	14	17	15	Tues 26	21	1	50
Thurs 30	14	35	57	Wed 27	21	12	16
May				Thurs 28	21	22	20
Frid 1	14	54	20	Fri 29	21	32	3
Sat 2	15	12	30	Sat 30	21	41	22
Sun 3	15	30	25	Sun 31	21	50	20
Mon 4	15	48	5	JUNE			
Tues 5	16	5	28	Mon 1	21	58	54
Wed 6	16	22	36	Tues 2	22	7	5
Thurs 7	16	39	28	Wed 3	22	14	50
Frid 8	16	56	2	Thurs 4	22	22	18
Sat 9	17	12	20	Fri 5	22	29	20

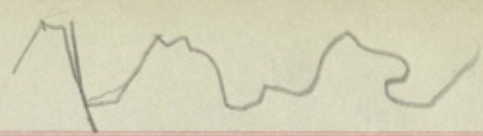
June

Sat. 6	22.	35	58
Sun 7	22	42	12
Mon 8	22	48	2
Tues 9	22	53	29
Wed. 10	22	58	31
Thurs 11	23	3	9
Frid 12	23	7	23
Satur 13	23	11	13
Sun 14	23	14	38
Mon 15	23	17	38.5
Tues 16	23	20	14
Wed 17	23	22	26
Thurs 18	23	24	12
Frid 19	23	25	34
Sat 20	23	26	30.5
Sun 21	23.	27	2.5

Monday
Feb. 9. Left Etah at 9:30. Good going. Strong Northwest wind. Frost all our faces. Reached Station A at 3:30. Dogs feet sore - 3 of Qotahs very sore. Ukpishoo and Qotah very near. Got boxes ready for loading tomorrow morning. Went to bed early. Spent full moon

Feb 10. Tuesday

Rose at 7 o'clock and were under way at 9. By steady judicious driving and handling of the heavy loads we made good progress and reached Igloodwahne at 7 very tired, thirsty and hungry. I loaded both sledges to their full capacity, but not with the articles requested by Mac because some had all been taken. I left sufficient food for the two divisions following, choosing my load with that idea in mind. When I got to Igloodwahne I found Jack's and Fitz's divisions both there. Fitz has been detained at

1 
Kahmawac by an adverse south wind and left from here with Sank. On reaching Igloosnahome they decided to let the dogs rest one day before proceeding and to give Arklis and Povadloonah an opportunity to go back after parts of their loads which they had left on the ice some distance out the day before. They expect to go on tomorrow.

The going today was pleased good ice, good light - both sunlight and moonlight - little snow, little wind, and few rests. Full moon.

The ice was forming along the east side of the sound, and breaking out toward the west. Our route lay quite close to the edge of the water most of the way. I walked at least 90% of the way. Etahishov rode the most.

Feb 11 Wednesday -

Fitz and Sank left with their divisions at twelve noon today. I did not deem it wise for so many to go in one crowd as my division and theirs would have formed and so kept my division here. Potah's dogs were in bad shape - charred from pemmican, and sore feet. Because of heavy wind could not hunt so stayed in igloos all day to get sleep. Denied us last night when other divisions did not retire until 2 o'clock and rose at eight.

Hal came in with his division at half past three. I got supper for all of us and we went to bed at eight.

Kept coal fire all day and dried clothes.

Had Fitz and Sank each leave 8 cans dog pemmican and take 6 cans man pemmican each and Ahpelak's take on four

February 12 - Thursday

Hal and I started out for Station B at 9:00 leaving a box of crackers, one of milk and some pemmican for Mac's division following. Good going through Rice St. Cold, a little windy. Much snow and rough going from Cocked Hat Island to Station B. Found where Fitz ~~and~~ ^{Frank} had slept on ice near cache. We arrived at cache at 6:00 and after supper went to bed on rocks under open sky. First night without cover. Temperature 47° below. Slept cold. Rose early. ^{Hal & I} ~~Hal & I~~ ^{loaded} ~~on~~ ^{at} Station B.

Feb 13 ^{Friday} and set out on Fitz's and Tank's trail along ice foot. At 2:30 came to where they had been stopped by water along ice foot and been forced to make camp. We got by safely and continued for six hours longer camping. Four along in their trail today. Beautiful weather

and good going along ice foot all day. Rough ice but in straight. Day light came at seven o'clock and lasted until 6:00 almost. We made camp and slept on ice foot beside great granite rock while Etakshoo and Ootah, and Obloyah and Touchingwa slept on their komatiks. Dogs in bad shape.

February 14. Saturday. Rose at eight o'clock and found Etakshoo seriously ill with the mumps, so ill that "the doctor" had to stay with him at our camp while I went on alone with Ootah, Touchingwa and Obloyah. I proceeded along far ahead of them throughout the day. It was a beautiful day, light, calm, clear, but very cold. We passed the camp of the divisions ahead at one o'clock and slept two or three hours ^{near} ~~by~~ ^{on} the ice near the cliffs of a projecting point. At the

close of this memorable day of silence, whiteness and solitude I slept on the ice with my eyes upturned to the splendid northern constellations - Taurus, Leonis, Cassiopeia, Hydrus, Castor and Pollux, the Great Dipper, Cygnus and all the brilliant galaxy of the North. I have never lost their sight - Violets.
February 15 - Sunday.

Set out at 10:00 with all my men. Very cold. After an hour's march caught up with Tank's and Fitz's divisions. All the Eskimos out hunting seal. Tank and Fitz in Igloos are drying out their clothes. We stopped and while Tobloyah and Ootah built an igloo a Touchingwa and I hunted rabbits with no success. It was a critical day. The Immuts came back with no seal. Had they failed in getting them they would have refused

to go farther so Ootah says. Fitz will not proceed anyway for the pemmican is no good for the dogs. We may get lost out. Tonight we eat a big supper of Pemmican meat, and will probably sleep comfortably in our big igloos.

I collect plagioclase from dyke on small island (C).

Feb 16 Monday

While Immuts get out after seal, leaving early, and Tank dries his clothes, Fitz and I make ready our igloos and prepare to hunt hares on the mainland at foot of Mt. Carey.

We leave about eleven o'clock and hunt until about four with no success though having seen many tracks. The Immuts return about the same time having seen but two seal and killed none. They are very discouraged and insist they will go no farther, though some express the wish to proceed.

if their dogs were but in good shape.

It is now I ask men to take charge, and I at once confer with the older men as to what they wish to do, urging them to proceed on the morrow. All say they can not and wish to stay here till Mac comes.

I decide that I shall adopt no other plan, awaiting Mac's arrival, hesitating to assume the responsibility of directing the whole course of the expedition. I am much worried.

The weather continues fine and almost sunlight fell on the cliffs across the bay.

Saw great diorite banks at foot of Mt. Carey. I believe flat top of Mt. Carey is sedimentary, the lowest of the series here.

Feb 17 Tuesday - All remain in camp today. Refusing to hunt. I consult with all the men individually and the following men either refuse or are unable to proceed:

Sipsos
Booaboosah
Satow
Ahpelingwa
Ahpudungwa

The following men will proceed until they feel the dogs in too poor condition to go farther:

Rotah
Ooblerah
Iowchingwah (?)
Mukapingwa (?)
Tautewa (?)

The following men wish to go without hesitation:

Ahpelah
Akelis
Teddylungwah

I think that Tautewa and Mukapingwa and Iowchingwah would probably belong in this last group.

The reasons the men give for their reluctance to go on are

1.- The pemmican is such poor food for the dogs because of the salt it contains that they rapidly become fatigued and debilitated, proceeding very slowly, and dying soon. They say that in the comparatively short distance from Etah here that three dogs have died, and nearly all are thin, half-starved, and tired.

2.- The lack of caches along the back trail for emergency should game fail.

3.- The earliness of the season no sunlight.

Ootah and Ootloyah dwelt at length on the first of these reasons. They said that the dogs were even now in bad condition, forcing us to short marches; after only a comparatively short journey they averred that under

present conditions the marches would continually shorten, and with dogs dying it might be impossible to reach a game region at all, especially as they thought quite possible the game should fail us in Bay Fjord, perhaps even as far as Schermsund, when they felt sure of much venison. By that time our dogs would be gone, we ourselves in danger, and the possibility of going on to Crocker-Land gone entirely because of lack of dogs for several years with which to continue the attempt. They felt ~~the~~ several of the other men expressed themselves as well that there should be supporting caches along the back trail in case the dogs died, game failed us, and our food was exhausted and worst came to worst. Ootah was most emphatic about this. Teddylingwah and Ardlie said also that we had too few cartridges - ~~that~~ the two together had

very few they said. All the men except Sipsow and Poo aloonah stated emphatically that they wished to proceed only the dogs would or might not permit. Most of them said they needed musk-ox robes - even Sipsow - and wished to kill game. Qotah said he had seen all there was to see about here and wished particularly to see the new land and help find it.

Three or four of the men said the dogs would go better when the sun came back and warmed them.

There were several other secondary and minor reasons advanced. In no case did they speak of the miryaps or their dread of them, though I suppose the fact that Sipsow and Ahpelungwah are ill has had a depressing effect on the rest. I do not agree with Fitz however that this has an important con-

tributary influence in their declaration that it is unwise to go on, and with the exception of Qobloiyah, none seems to make a great deal of it. I feel that the white men are more inclined to dwell upon this. Both Fitz and Jack dread taking the miryaps seriously on the trail, - as well they may.

All the men affirm that they will take the trail again later very gladly and willingly, just as they are a unit in saying they think it unwise to go on now. Even the men who are most loyal say it would be wiser to wait.

Acting upon all these statements I decide to take the bull by the horns and if Mac does not come by two o'clock to load the sledges with all the supplies not needed for a return to Etah, cache them on the mainland at the foot of Mt. Carey, sleep here tonight and early tomorrow start

back for Etah, taking upon myself the responsibility for ordering the retreat, even though I realize it may place upon me a blame and a stigma I may never be able to remove. I ask of Fitz and Jank that they will, but, be honest in supporting me in explaining why I feel forced to take this deplorable step endangering the whole expedition. But to remain here in active consumption of all our supplies rapidly only the more certainly acts to prevent our progress now and in the future while to make a cache and return may enable us to proceed successfully later. I am resolved on this action, and trust that it will not result disastrously. I am much worried and everything looks dark to me. I shall do what seems best to me for the

ultimate success of the expedition, and then I shall always be able to feel that I at least did my duty conscientiously and unselfishly, as I saw it.

Jank and Fitz approve of my decision, but since they shared last night that they would support me in any step I might take, I can not tell just what they think. It is hard for them to realize, I think what it means to me.

Later - Evening

Mac came about noon, much to my relief, and upon learning of the state of affairs, and finding upon question that only Nukapungwa, Arklis, and Seddytignwah wish to proceed, decides to adopt a plan similar to the one I had resolved upon as being the sole course left to me.

He ordered the leaders of the various divisions to take upon their sledges enough supplies for their return + four days supplies - four cans dog

pemmican to a sledge, and
three cans man pemmican, an
4 cans milk, one 12½ lb. tin
crackers and 1 gallon of oil
to a division.

Hal and Fitz are to remain
behind with Sipsu and
Ahpelingwah, returning
with them as soon as pos-
sible, while Tank, Mac,
Mene, and I take the other
divisions back.

We leave behind us all the
personal supplies possible
and make a cache of
10 cases (4-12½ tins) army hard
biscuit

7 " (2-25 lb tins) " "

biscuit

4 " (entire wheat biscuit)

55 gal. oil

10 cases milk.

140 boxes man pemmican,

200 " dog "

We return to Etah early to-
morrow morning with all
possible despatch.

February 18. Wednesday

At eight o'clock we
took the back trail - 15
sledges and 17 men, leav-
ing Hal and Fitz at
camp near the east end of
Yttheöru with Sipsu and
Ahpelingwah who were both
seriously ill with mumps.
I rode with Sattoo, Joutik
and Touchingwa. We proceed-
ed rapidly on the return,
making Igloo swahne
in one march - three and a
half days march on the
outgoing trip. We stopped
twice - once to untangle traces
once to wait for Teddyling-
wah to change from Allenb.
to Green's sledges at Station B.
Judging by our rapid return
trip, I am not sure but that
the natives deceived us about
the conditions of the dogs, for
we covered at least fifty miles
some of it rather heavy going.

The day was fine, the sun shone
on the highest strata of Bache
Peninsula, and no wind was

blowing, until we emerged from Rice Strait when as usual we encountered a heavy wind. When we reached Igloosuahme, seventeen men all told 14 Innuits and three white men made supper and slept there all night.

As we entered Rice Strait I saw a raven fly across from the mainland to Cape Sabine; and all along the back trail fox tracks were numerous and Touchingwa and I saw one this fox.

I had little opportunity to observe the geology, except that granite rocks preponderated though I also saw some syenites. That the coast is rising I find quite sure for ice-polished rounded rocks constitute the character of most of the points now getting up to Buchanan Bay, and plains of sea bottom lie between some of the points.

I saw the sea for first time at 1:20 this afternoon.

February 19 Thursday.

Set out from Igloosuahme at 8:00 and riding with Touchingwa and Ootah I reached Cownawit at 3:00 o'clock, only a seven hours ride.

On the way along the open water we saw one sea-pigeon and a school of manulak in the sea.

We went to sleep at six after a heavy supper of tea, crackers, and pemmican.

Mac, Mene, Pewah, Itokishoo, Satto, and Pooodloonaah went on to Etah.

Feb. 20. Friday. Left Rosg at 4:30 and by 7:00 Ahpelah, Seddy-luegwah, Osbloiyah, Touchingwa, Ahpuduegwah, Ootah and I were on our way back. Tark Ankapingwa and Arklio came on later.

The wind was blowing hard from the north and from Lytleton Island almost to Provision Point we were forced to follow the ice-foot because of open

water. I rode with Ahpelah, Tedylingwa, Tanchungwa and Oobloyah and preached Etah shortly after 12:00.

On the way, I had ample opportunity to study the geology - counted a possible 17 terraces just south of Commaneat and noticed the intrusive character of the rocks around Sunrise Point.

Arrived at Etah - we loafed the rest of the day and went to bed early after dinner.

Saturday - Feb 21 -

Windy, blustery, stormy day in which it would be impossible to have traveled.

Dried some of my clothes and took inventory of my belongings. Talked a great deal about our trip. — Took 4:30 went on watch.

Sunday Feb 22. — Again very stormy and very windy. All our Eskimo still stay here because wind prevents their leaving Inuaks.

Allen gets mumps. Many visitors here Mac and Jot and all of us.

"on our nerves."

2

Monday Feb 23.

Storm abates and visitors leave. Jot and Mac get back. Discuss reasons for our return and Hal and Mac seem reluctant to consider that the Eskimo are sincere in affirming salt pemmican as the reason for their wishing to return.

Tuesday Feb 24

Allen very sick with mumps. Hal sees caribou on hills back of Etah but does not get him. Rather cold day. I work in house most of day for I am on watch.

Wednesday Feb 25

Mene and I go back on hills after caribou and I make a long exploratory trip up Tank's valley, up continuation of Jot's and come back very tired with no game. See no caribou, no tracks. Find rabbit in burrow. Windy, snowy. Tank's and Jot's valleys illustrate stream piracy.

Thursday Feb 26

Hal goes after caribou again and makes unsuccessful, long-continued search for him, exploring the head of Jett's valley, and coming down Elk-Yshoo's.

Friday Feb 27

Go for walk with Mac over hills. See formation of soil. Lava flows. Find salt in ice. See rosettes in ice. I study ice-foot.

Saturday Feb 28

Fitz + I take short walk along ice-foot. Meet Mac coming back from Lyttleton Island. Very snowy and blustering. House is good place to stay on such day as this.

Sunday March 1,

Fitz and I started out with Neuc and Pewahio for Nerky to get dog teams and to hurry the meat hunters back. Unable to get by the XL palace cliffs, and over the glacier we were forced to turn back. The two Eskimos mounted. Fitz and I walked back, studying the geology. Many intrusions of granite and diorite (pegmatitic in places) into the gneiss.

Monday Mar 2

In forenoon went out for sacks from surface of ice, deposit left by ablation and evaporation. Collected painful - but few pounds of mixed snow & salts. Also a brown-rd. purple patch in ice - formed probably by seaweed - iodine or bromine.

After midday I went out to study rocks along cliffs of north side of fjord, to get idea of character and extent of igneous activity. Dioritic intrusions of rock, acidic or pegmatitic intrusions. Evidence of glacial action on cliffs 500 feet above water.

Tuesday Mar. 3

Walked up to glacier (Bro. John's) with Mac. Observed the crushing of ice in the lake by the advance movement of the face of the glacier. The cracking of the ice from differential pressure (?) Bubbles in ice. Lenses at north edge stratified and made up of fine sediment with interbedded rocks. Chains of bead-like bubbles. Stones showing ablation of ice by wind and snow, and evaporation.

After return I went out and collected some lichens along the cliffs on the north side of the fjord.

Wednesday March 4.

Allen and I and Nukapungwa with our mount rabbits hunting. Allen went up to the head of the fjord and saw but one rabbit. Nukapungwa and I climbed up over the gulls' nest cliffs and saw many rabbits. Nukha shot 3 rabbits and one fox, and I shot 2 rabbits. Fine snow and southerly wind. Had had trouble. Hal went to Tytilton Island to look for the wolf that has repeatedly been seen. Saw his tracks only.

Thursday March 5.

Rest in house most of day getting my things ready for our second departure next week, where Mac, Fitz and I with seven Eskimo, ten teams in all will start for the other side again.

Friday March 6.

Six teams and sledges come in from the south with much walrus meat, and a great big acquisition of future trouble for me - my new dog team, which Mac intends buying from Elingwa. I have studied today.

March 7.

Saturday - In organized wolf-hunt in which Pewapto and I shoot two times each at the brown-gold rascal when he slips by us to go up the fjord. I follow him, but do not get him though I see him again.

Podlooktoo and Ohpelah and their families leave.

In the evening we have the best and frankest discussion we have yet had of our plans and prospects, and I feel better than any time since our return.

I take possession of my new dogteam, nine dogs from Elingwa's team. I feed them for the first time and make good friends of two of the brightest in the team.

Sunday - I get my harnesses ready and trip to tie up my dogs. Get bitten by one of them. Feed them again. Today take in the evening. The start leave for Crockerham next Wednesday.

Sunday, March 8.

A peaceful day that I spend looking over my clothes and equipment for our departure next Wednesday, and in arranging dog harnesses and traces.

It is the nearest observance of Sunday of any we have had since our coming here.

Cooking good dinner of rabbit, peas, potatoes and plum pudding.

Monday March 9.

Another day of preparation. Fitz drives his team. I planned to do so but my harnesses were not in good condition and I did not go out at all.

Tuesday March 10.

My birthday. The advance division of four Eskimos, carrying walrus meat to feed the dogs at Payer Harbor, Igloodahyne, left today. It was made up of Arksio, Sutchingwa, Nukapungwa, and old Kiyuta. They left about ten o'clock. All day we were busy making our final preparations.

I drove my dog team, the

first time, ~~up to the glacier~~
and back, ~~to the water,~~
Hastig's ~~and~~ ~~and~~ ~~and~~
squash pits for swimming
churn.

Wednesday, March 11.

After main division, Mac, Fitz, Mene, Etukishoo, Penahip and I, left about one o'clock. A blinding snow was blowing when we set out and a heavy wind faced us all the way to Cape Smyth. All went well though my team seems slow and weak. Turned in early, Fitz, Etukishoo and I occupying one igloo, the rest another.

Allan attempted moving pictures but camera failed to work. Temp. -27 at Etah and minus 45 at Commanawit.

Saw raven flying with us on way up.

Thursday, March 12.

Crossed Smith Sound for third time in six and a half hours, starting at nine o'clock. Day across easy but cold. Got in with the rest. All four waiting us at Igloosnahme, with warm walrus meat for dogs, and cheering news. Told us that the day before Buchananga had shot a bear. Mirage, bright sun. Beautiful sunrise. Early sleep again. Hard day for me.

Friday March 13.

From Igloosnahme, to site of Hala and my second camping place on preceding trip. Very hard day for me, especially around Pym Island. Heavy wind -55 and hard going. Got in late. Slept on sleds 60 below. Two dogs no good.

Saturday March 14.

Reached cache at Uktroinat 10 o'clock. Shot one of my dogs, a little brown bitch unable to pull at all. Skinned, mukapingwa does. Mukapingwa kills rabbit. Sort out stuff for early start on morrow. Mac says chances that I can go on to Crocker Land from C. Thomas Hubbard are about even. Rather late when I retire.

Sunday March 15.

Start away for Head of Buitts - started good early. Going good. First on good, then icefoot, then across foot to North Side, then along icefoot to Kimpetangen where we make camp. I get along very well with my dogs. Saw two narwhals, a blue fox and a white.

My first approach to Sedimentaries of Buchanan Bay but I have no opportunity to stop to examine them.

Perfect day, bright sunlight 40 below.

Monday March 16. - Reach head
of Ford about three o'clock
and after crossing the ground
machine before glacier make
camp at foot, building snow-
houses in bank under ice.
Face of glacier apparently
unmakeable but I would to
land Kyuta dig steps up face
and all of us prepare to dump
the loads up on the moraine
that along splendidly with my
dogs today. Going good, weather
fine. Scenery grand - great
chalk topped peaks and craps
of Algonkian series, sediment
does gone as far as shores of
bay showed. Glaciation appar-
ently now at maximum.

Tuesday March 17 St. Patrick's
day. Fine weather. Clear but cold.

All day we dump supplies up the
face of the glacier but are not
through when night falls. Hard
grueling work, up and down
treacherous going. Eskimo do
not much like it apparently.
Igloo small and uncomfortable.

Wednesday March 18.

Meene and Inuvikigwa desert
us and go back to Etah. Rest of
us get remainder of loads, our
sledges and dogs up face and
start for crest. Going hard
and we have much difficulty
but finally we get over and
descend to under lake at upper
end of which we make camp.
Hard day, weather fine. My left
leg too, my right leg, and all
my fingers and severely frozen,
but not enough to prevent
my proceeding. But Eskimo
seem much discouraged but all
keep on going. I hope we get
to inside of country very soon
or we shall fall again I fear.
Splendid scenery. Lake but a
continuation of Ford, dammed
by lateral glaciers coming in from
the south. Ice on lake very hum-
mocky, very ridgy and thick.
My team of dogs is not strong
enough to go well and I fear
that I shall have a hard time get-
ting along. They are too light
and not well fed.

Thursday, March 19.

Started early. Hard long pull up glacier slope over bumpy surface. Snow deep crust weak. Huronian on both sides, partly rounded, partly serrate. Saw many lateral ridges. Clear, bright day, some fine snow. Make camp nearly on top of hill, not quite. Very hard day for me with frozen foot and bad dogs.

Friday, March 20.

Started rather late again. Saw flock of partridges fly across. Slopes grass covered. Hills rather steep down trail. Camp on end of glacier at head of Bay Fjord.

Saturday, March 21

Lower sledges over glacier face and go short distance. See musk ox tracks and make camp to hunt on morrow. Hard day again. Spectacular descent from glacier by ropes.

Sunday, March 22. I shoot five musk oxen, Revolver one, and Arkle's one on high hill overlooking head of Baitatedk Fjord. Have three heads preserved, two skins for mounting at Uman of Ills. and five other skins.

Monday, March 23 - Start back. Have very hard pull over rocky hills. Do not reach glacier. Camp in small valley on mountain top. Very cold. Ill. Feet bother me a great deal. Many musk ox tracks.

Tuesday March 24.

Rain glacier ice about noon, reach back trail soon after and at rather late hour make camp at previous camp just east of crest of divide. Hard pull again. My turn at tea. Splendid weather.

Wednesday March 25.

From crest go down to lake and former camp in two hours. Cross lake and glacier and go down. Squash up one komatik and have trouble. Make camp at old camp at foot of glacier.

Thursday March 26

Start early and travel hard until late to reach camp and cache at Yttre oven. Having made it for first dogs, very tired. Double rations. Long pull, some going light, some heavy. Do not follow back trail.

Friday March 27.

Fitz leaves again for C. Thos. Hubbard with Mukdajung and Arkhos, while I stay here to rest dogs and dry clothes during day. Fitz used straighten out things. Fitz in bad shape. Dorset returns to Etah.

Saturday March 28

At half past eight Kynta and I have cached with 18 dogs, all weak and emaciated, hitched to one sledge. With only one musk ox skin and about fifty pounds of meat with such of our belongings as we could not well leave behind we were too heavily loaded to permit our sledging and we walked all the way to Station B which we reached at eight o'clock, tired, hungry and our dogs exhausted. We made tea, boiled some muskox gins and went to sleep on the ice beside our komatiks.

Two ravens, nesting near Fink's camp.

Beautiful day, clear, calm, mild, wonderful images.

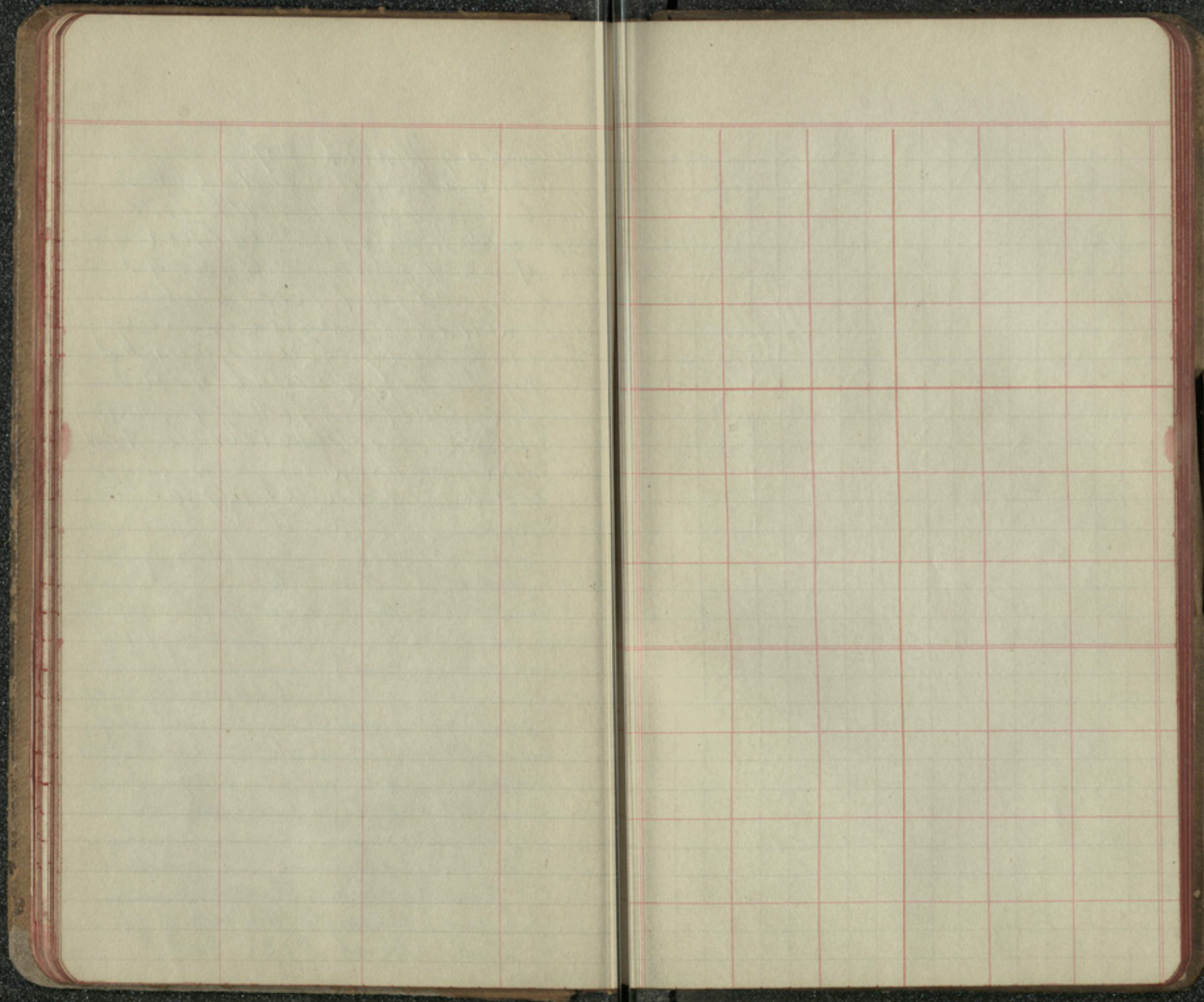
Sunday March 29

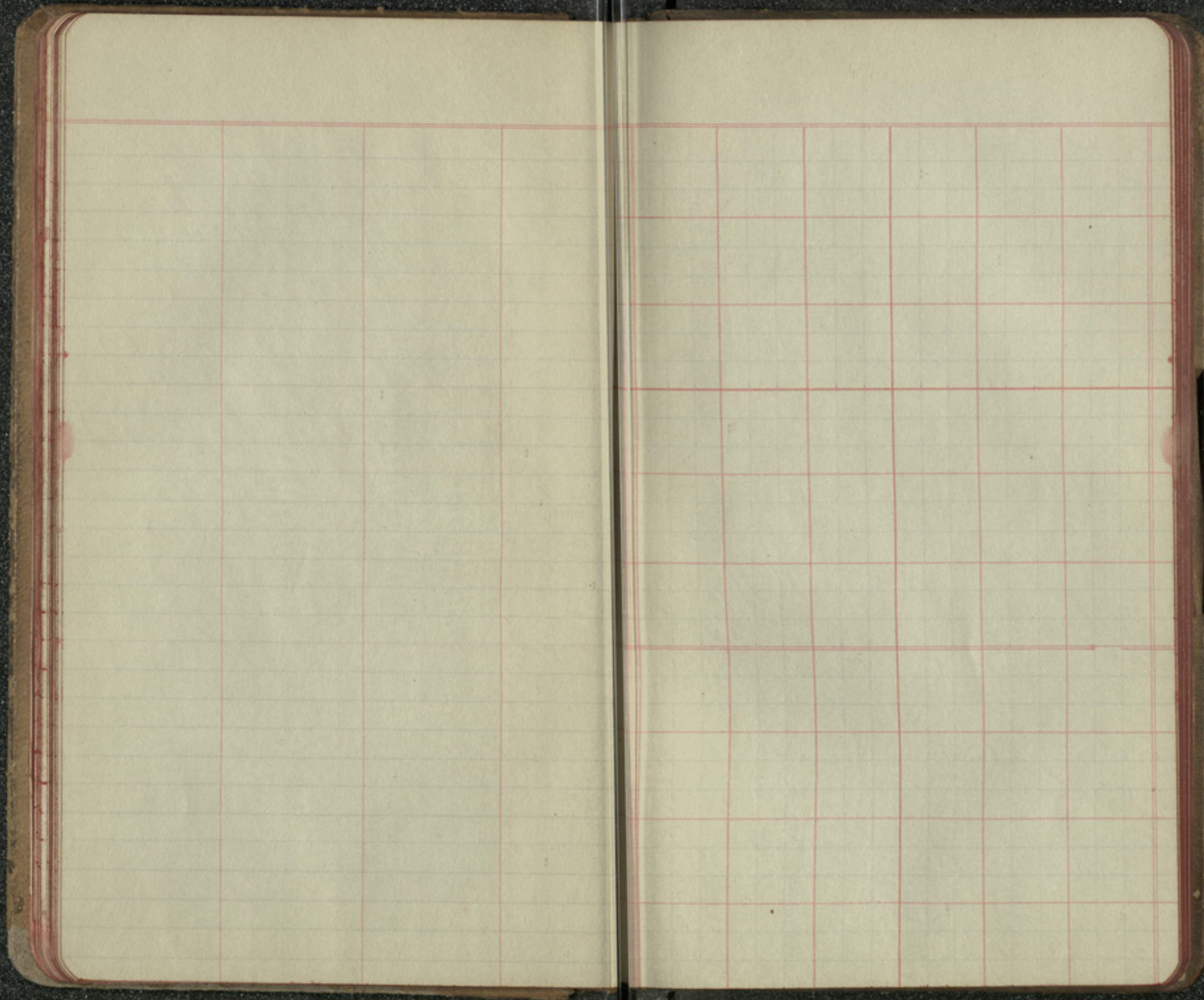
Rose at six and after hasty tea set out with two komatiks. Ideal weather and good going but dogs nearly fagged. Reached Igloosuaahme after four hours steady plugging. No dogs prepared. Supper, built big fire for drying clothes and went to bed at eight o'clock.

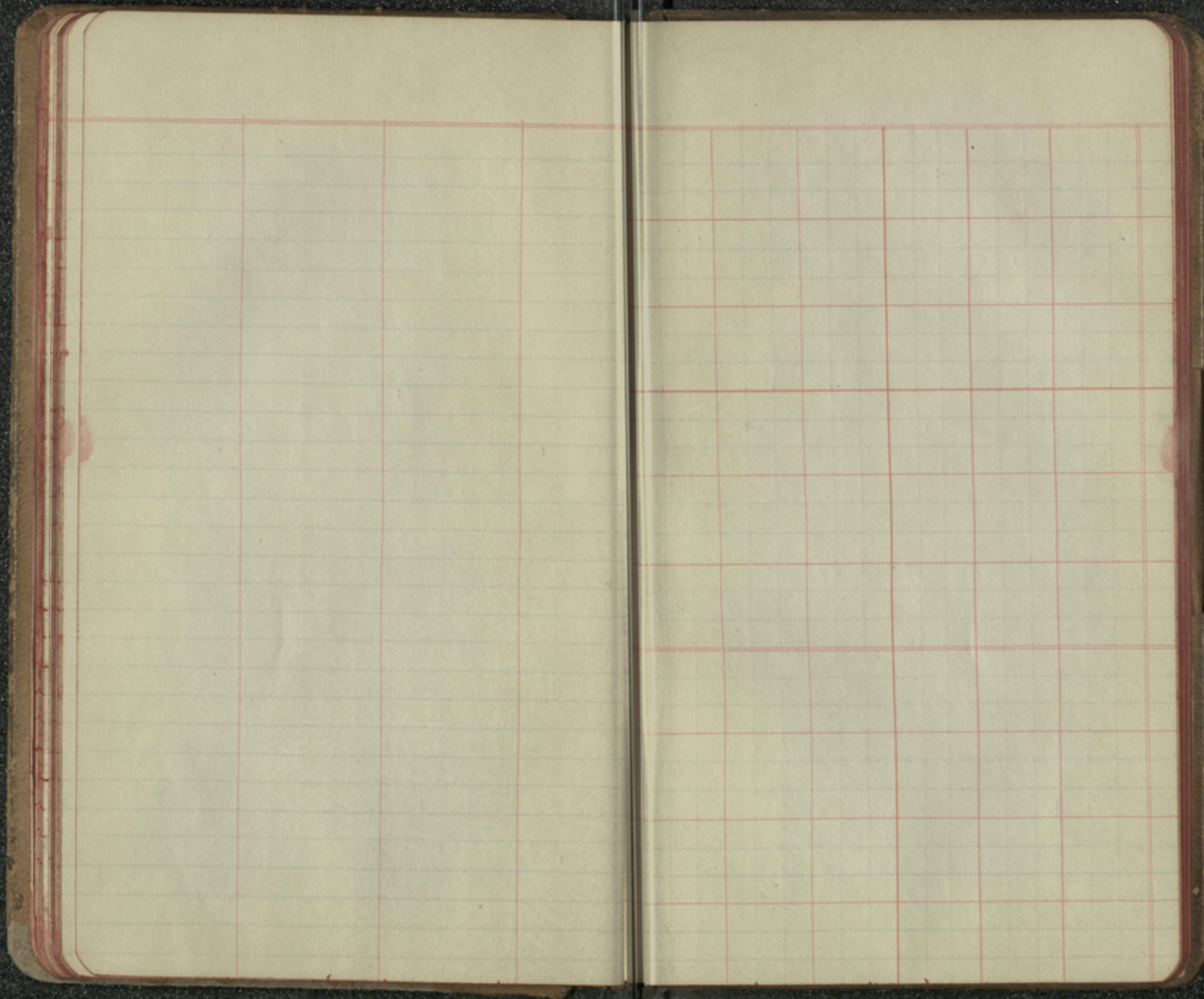
Saw one raven at Igloosuaahme.

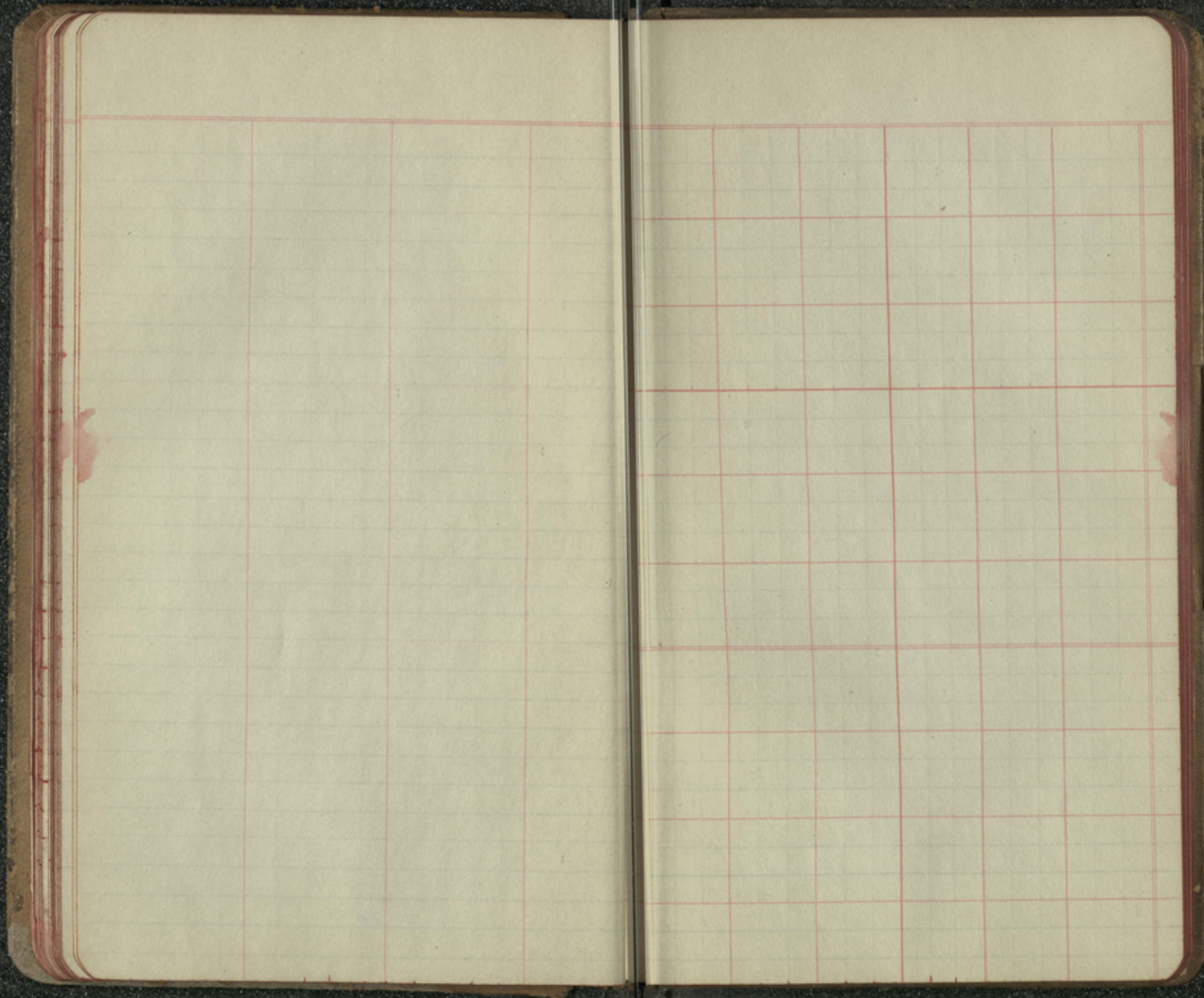
Monday March 30.

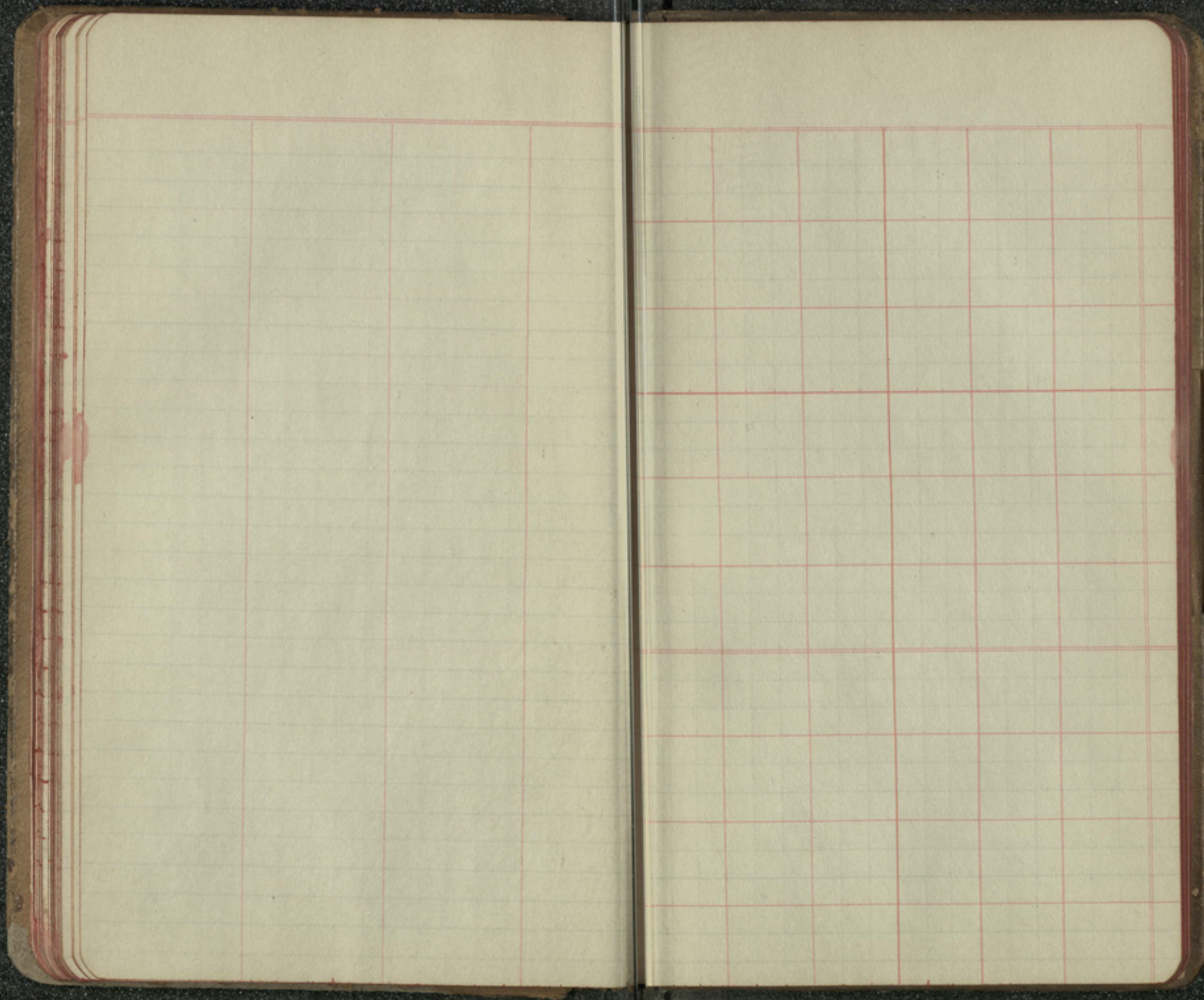
Started at sunrise for Comma-wit. Dogs all in. Sick myself. About noon met Ahpelak, Ah-wingwa and Ahcommading-wa going across beach hunting Kynta set out direct for Etah on young ice along open water. Had to abandon two of my dogs. Reached Lyttleton Island about half past three. Awful ice kept us at work. Some got into Etah about 8:30 half dead.

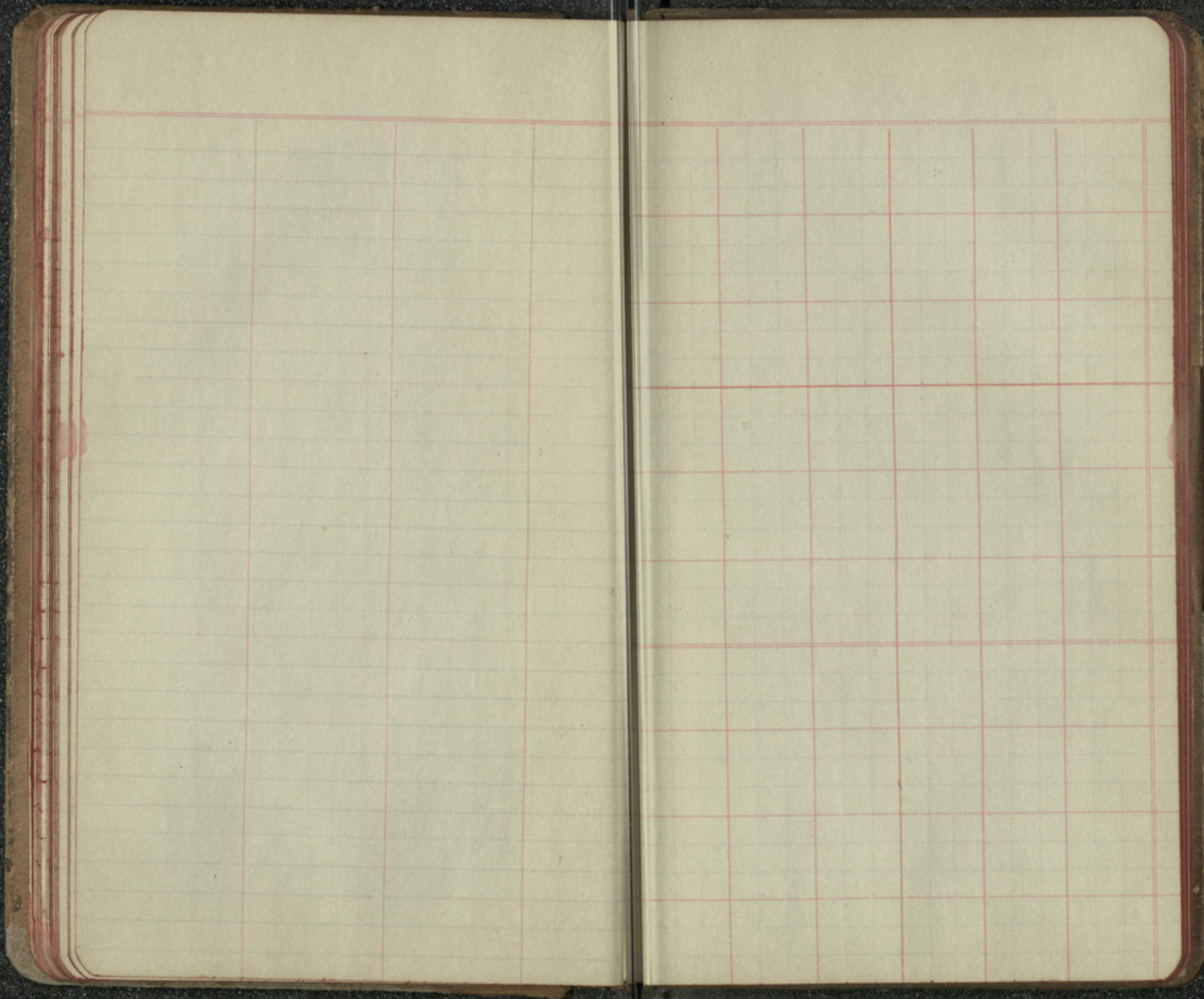


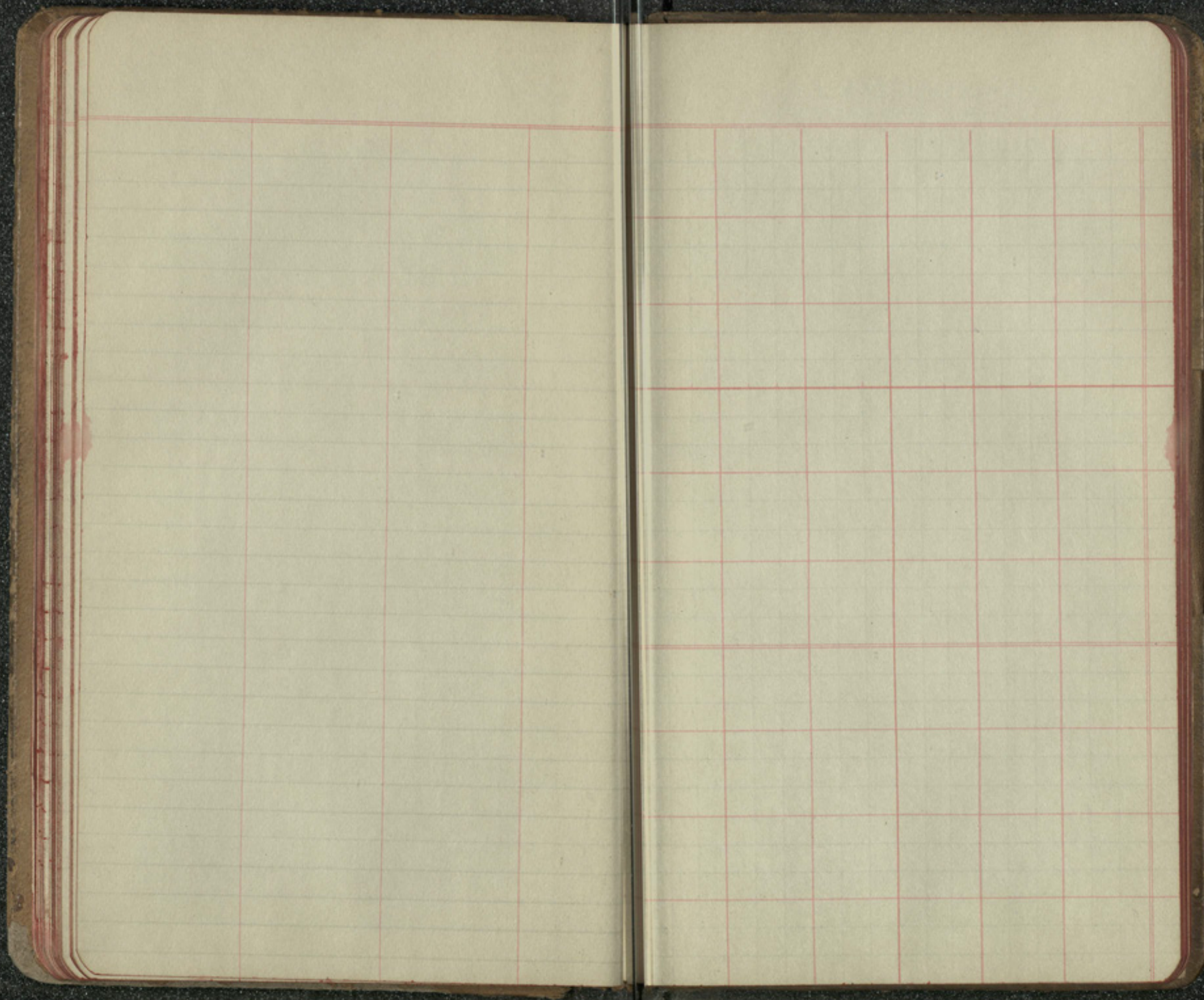


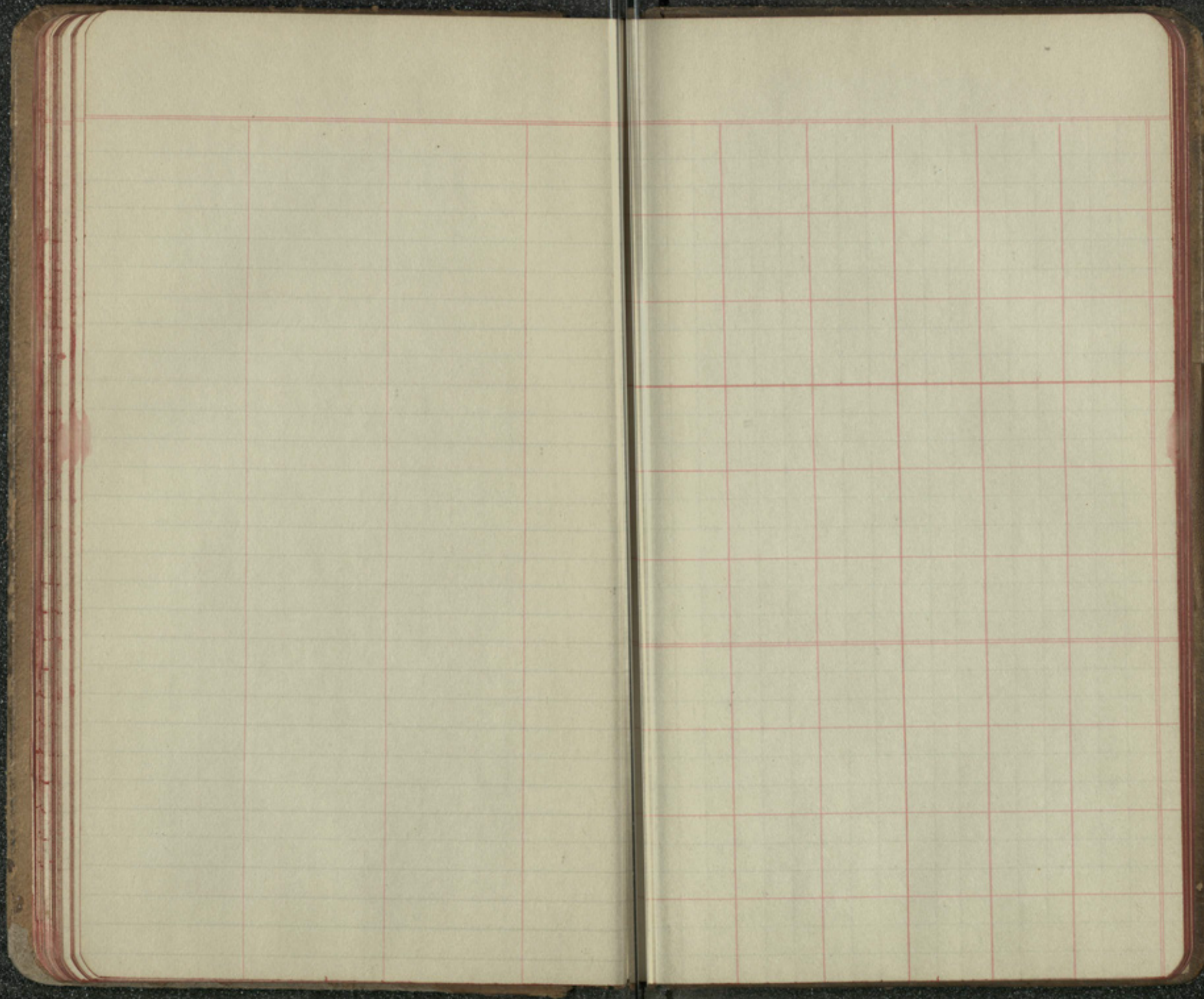


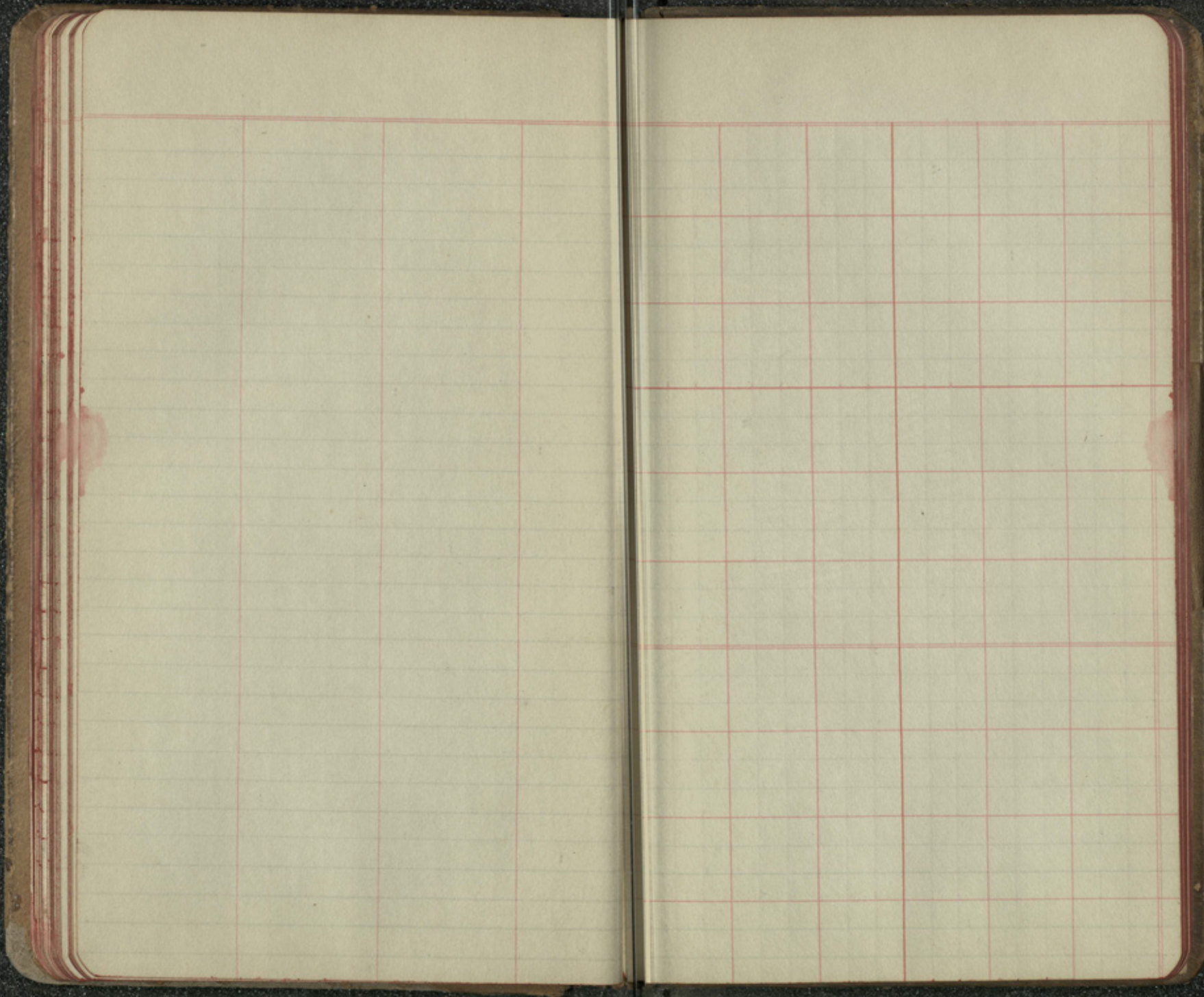


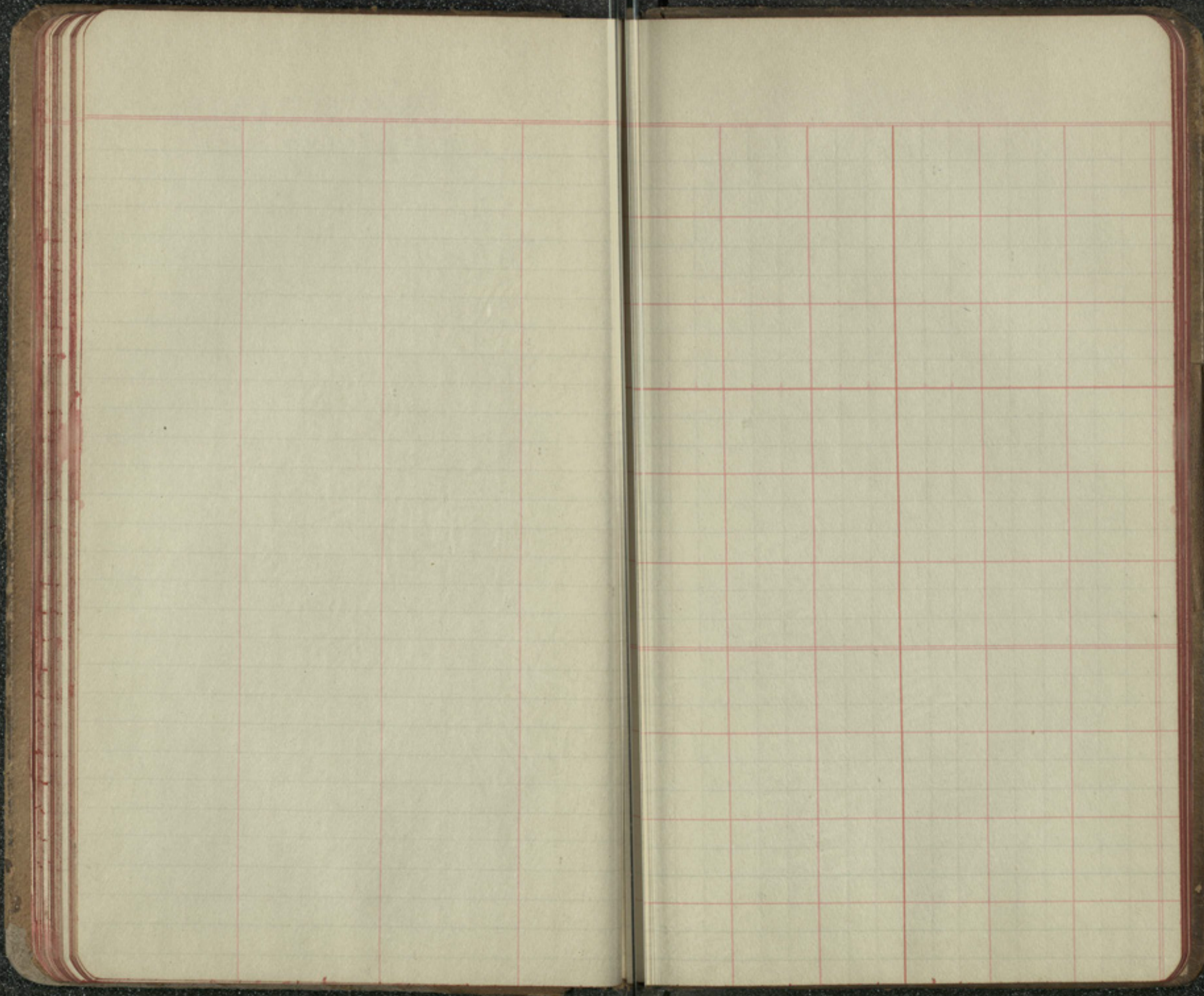


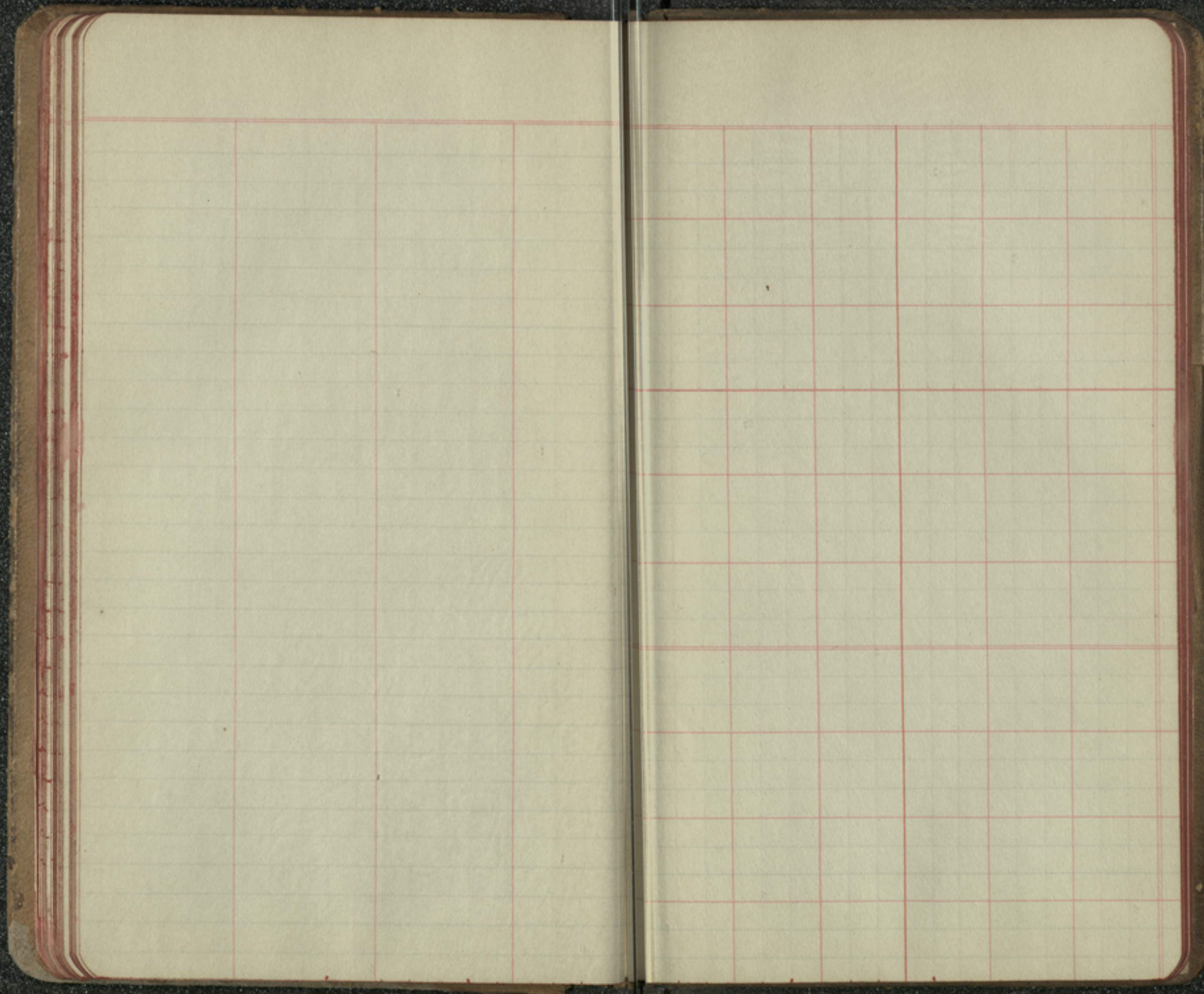


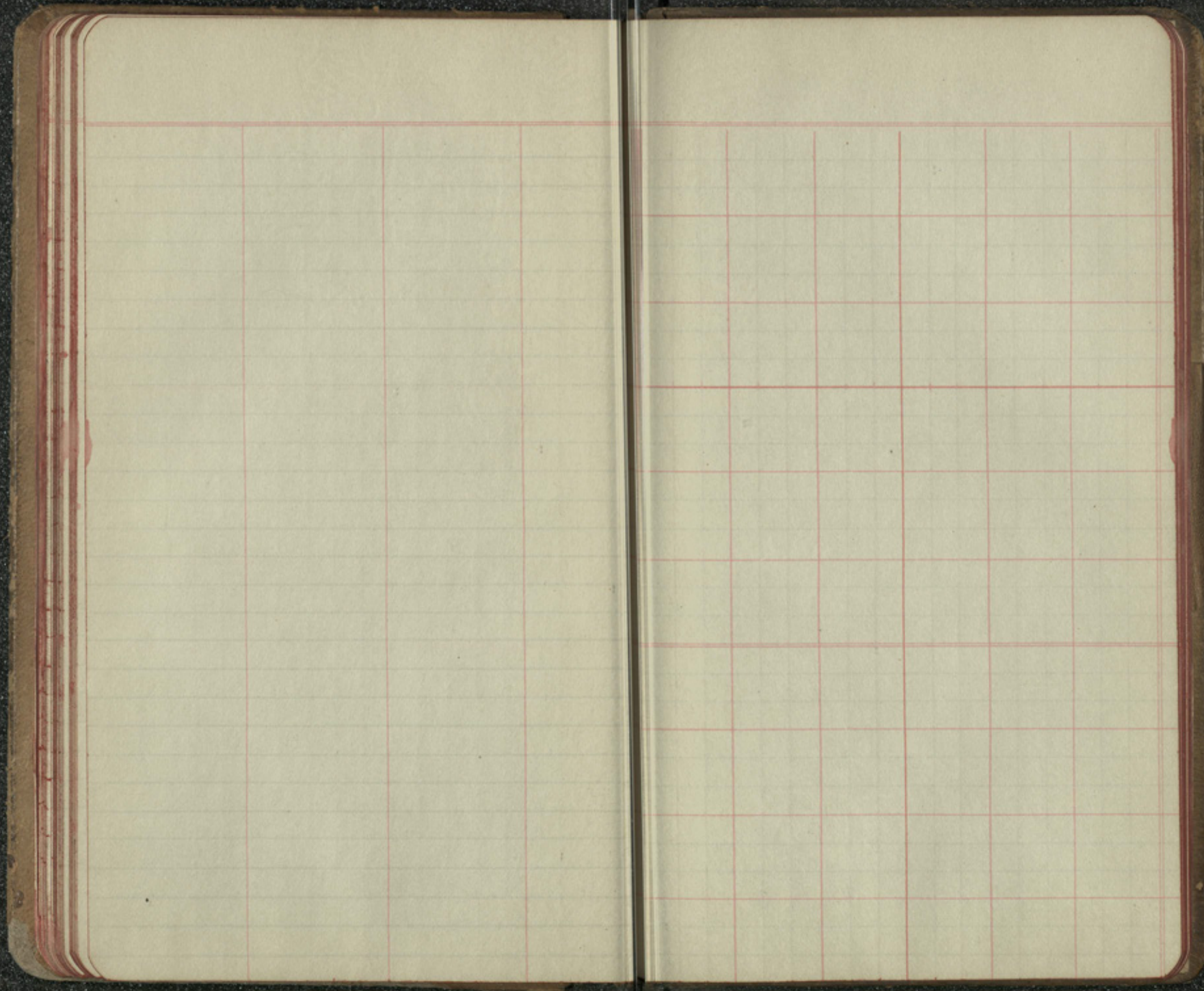


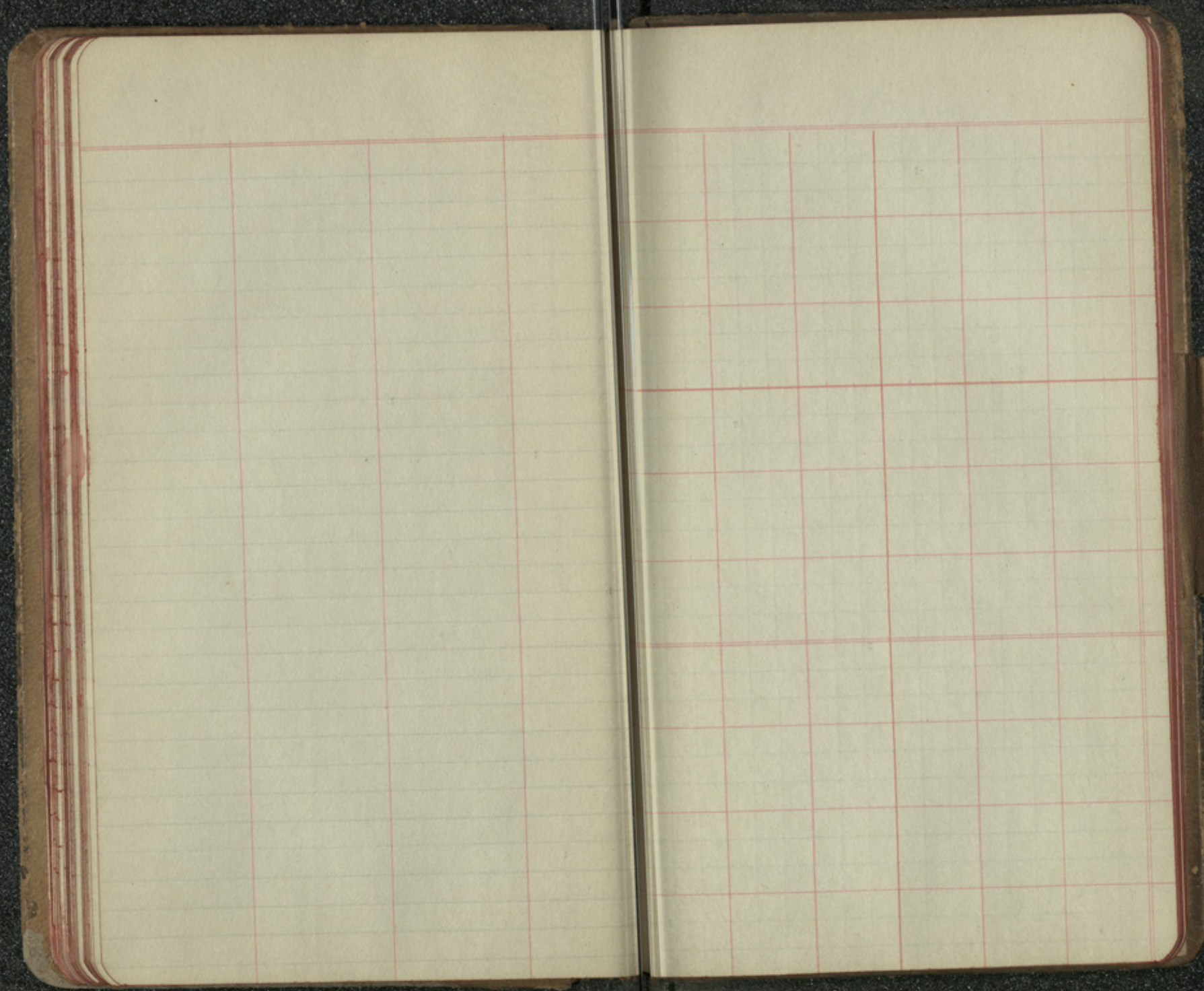


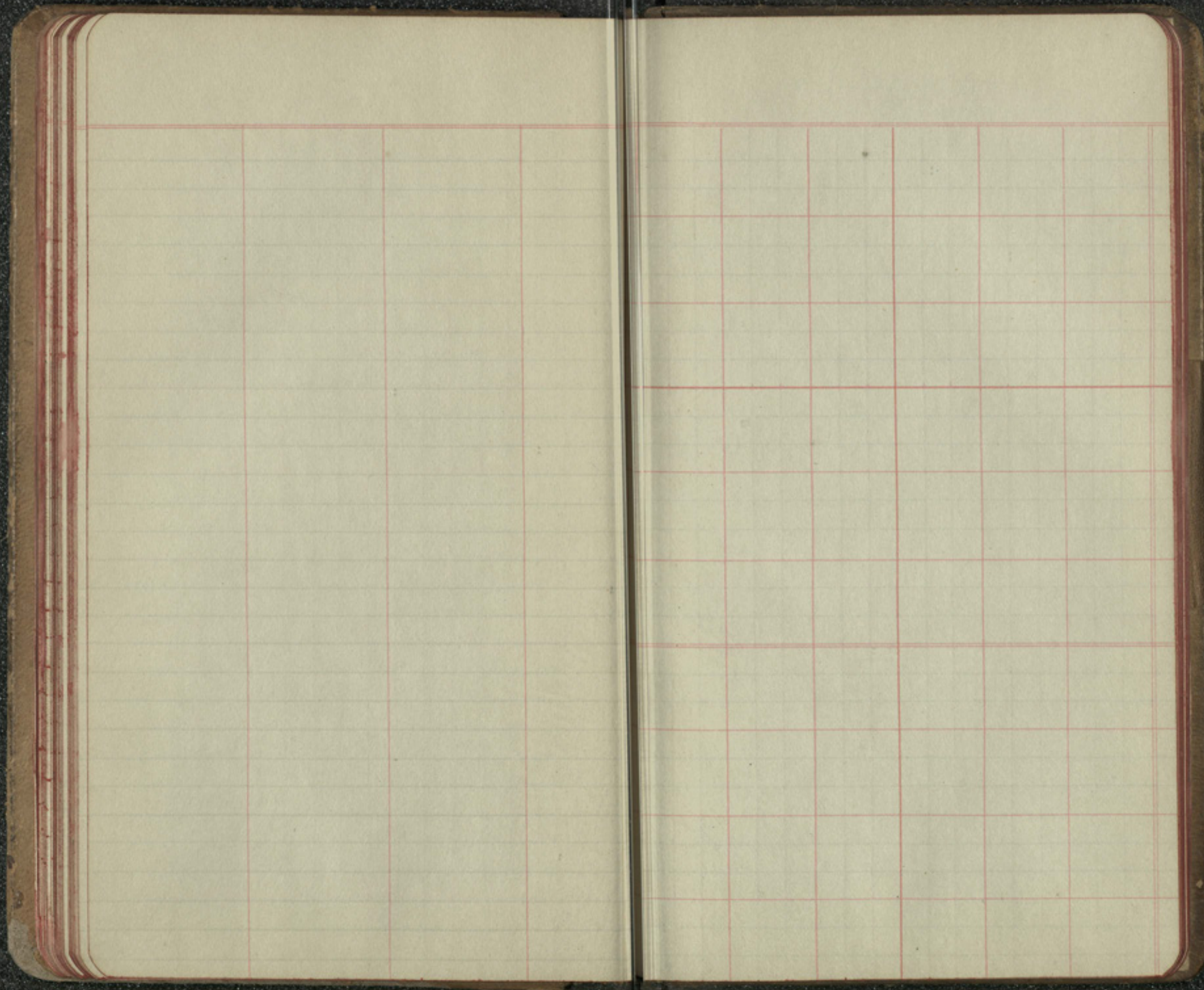


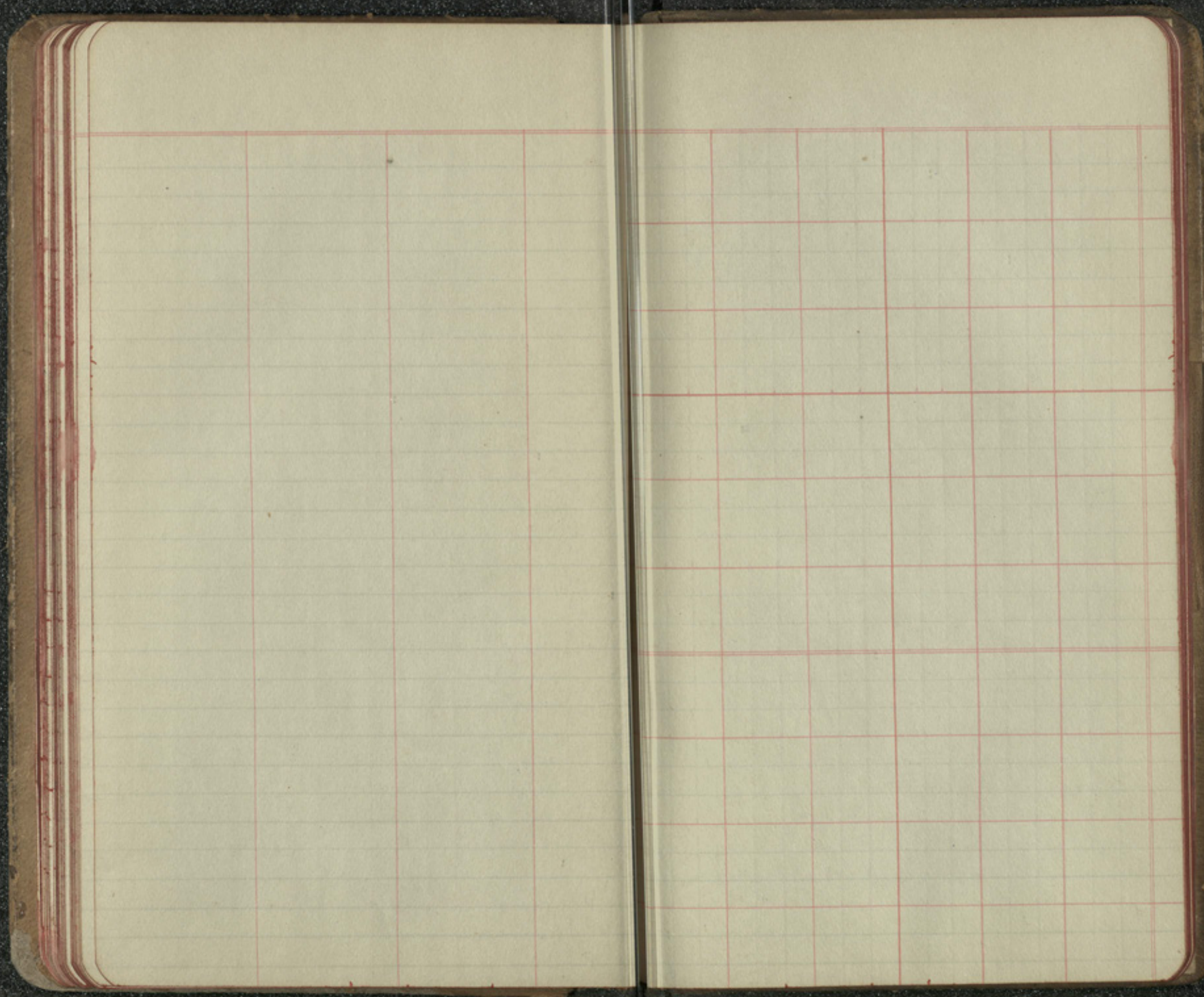


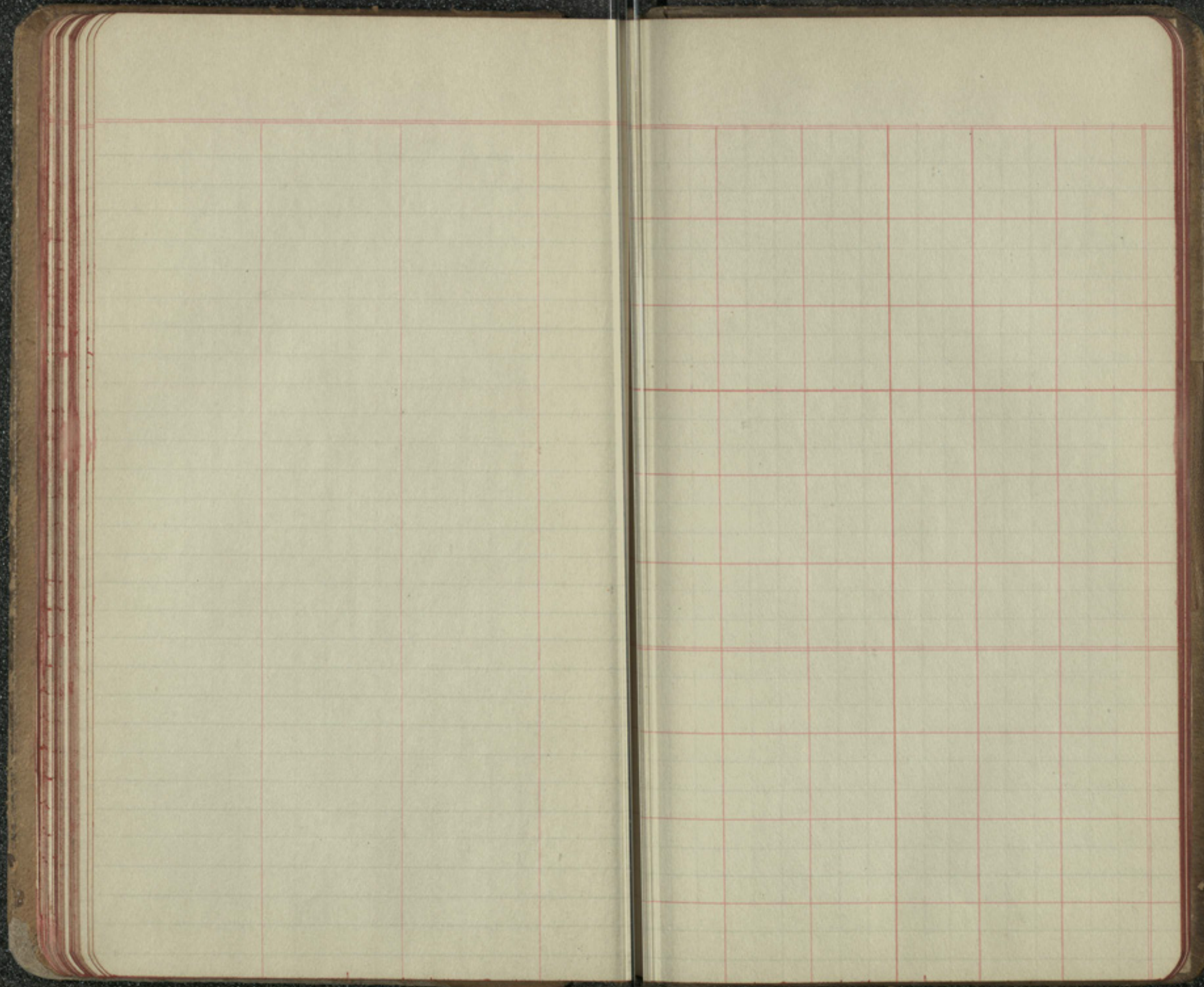


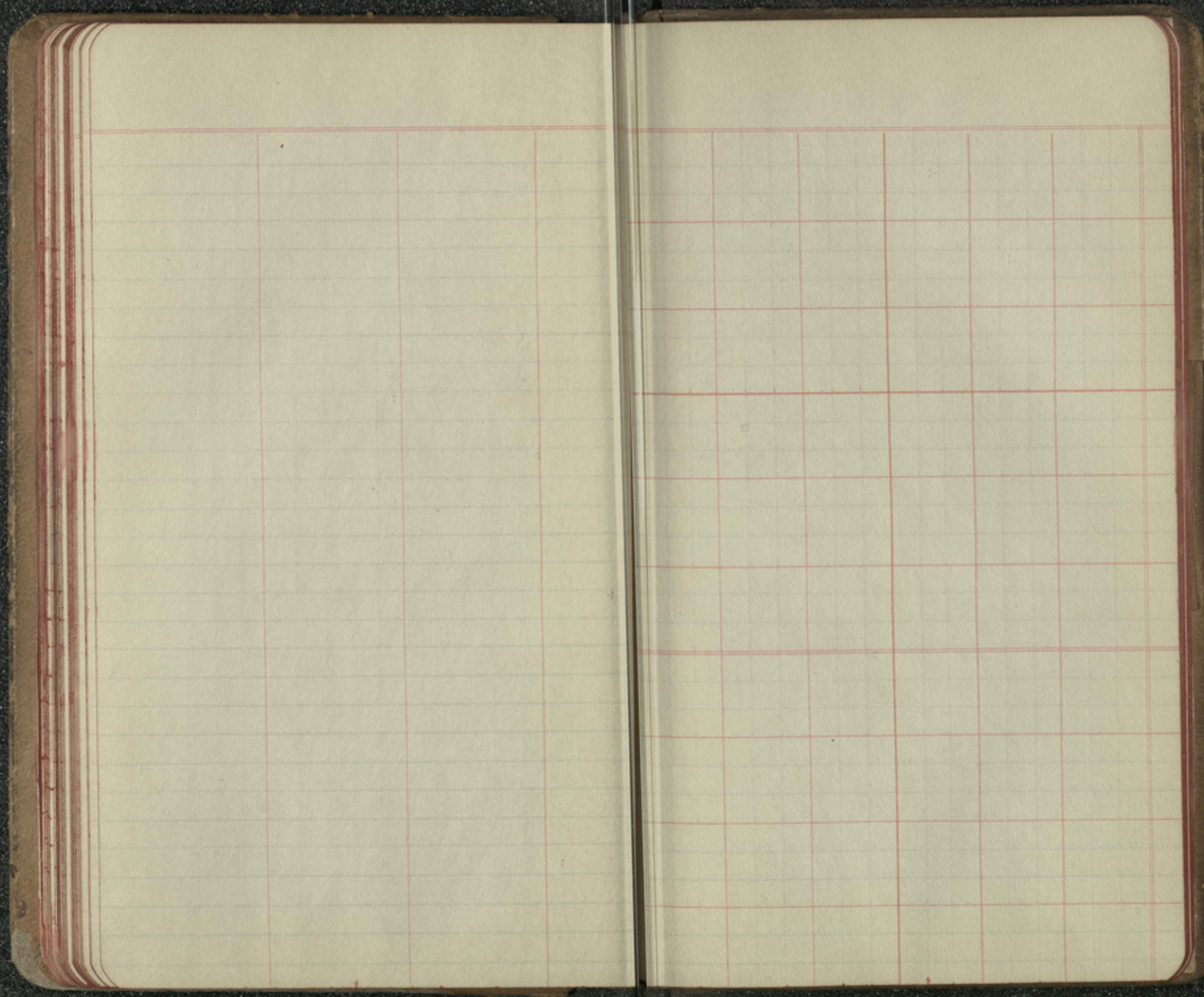


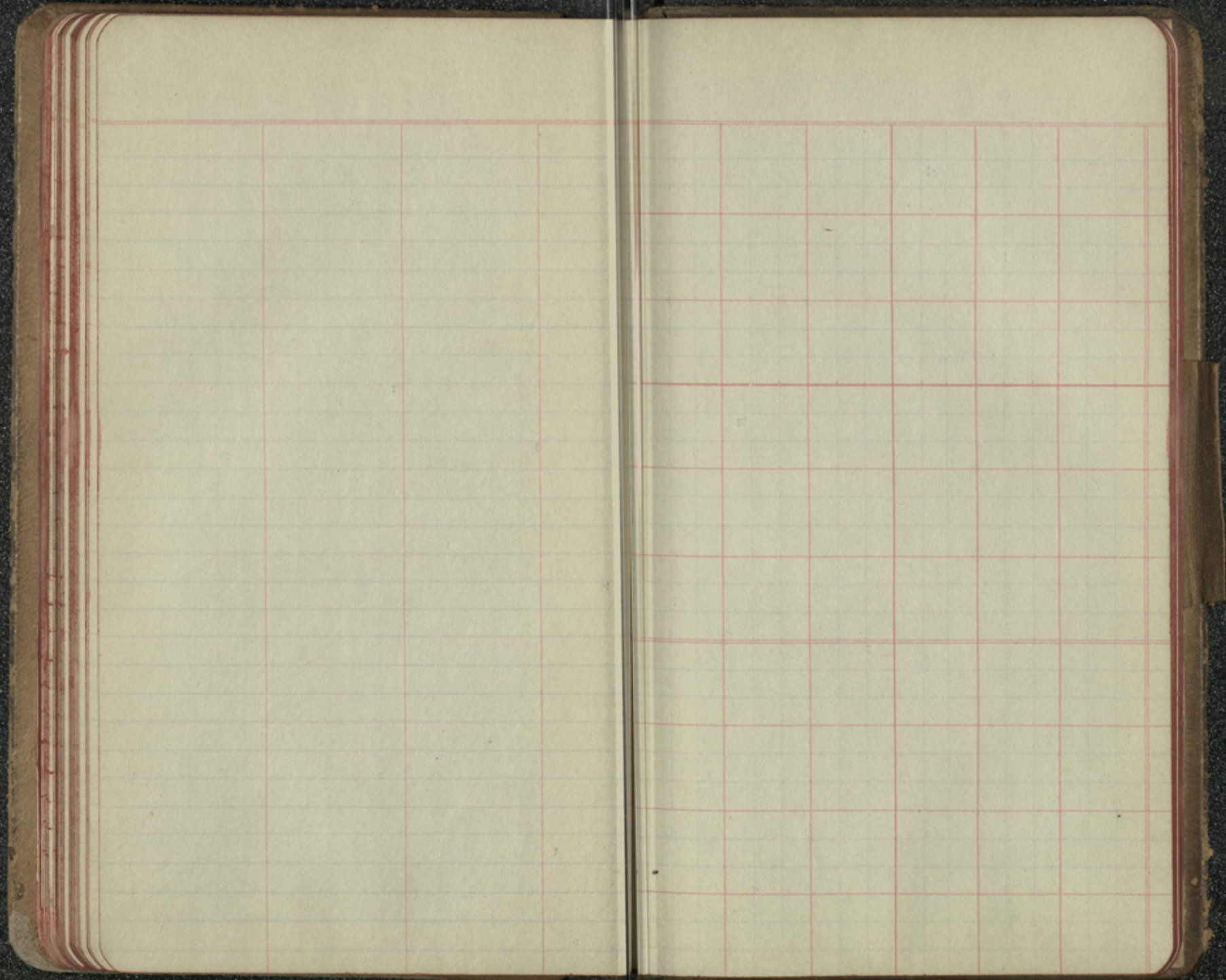


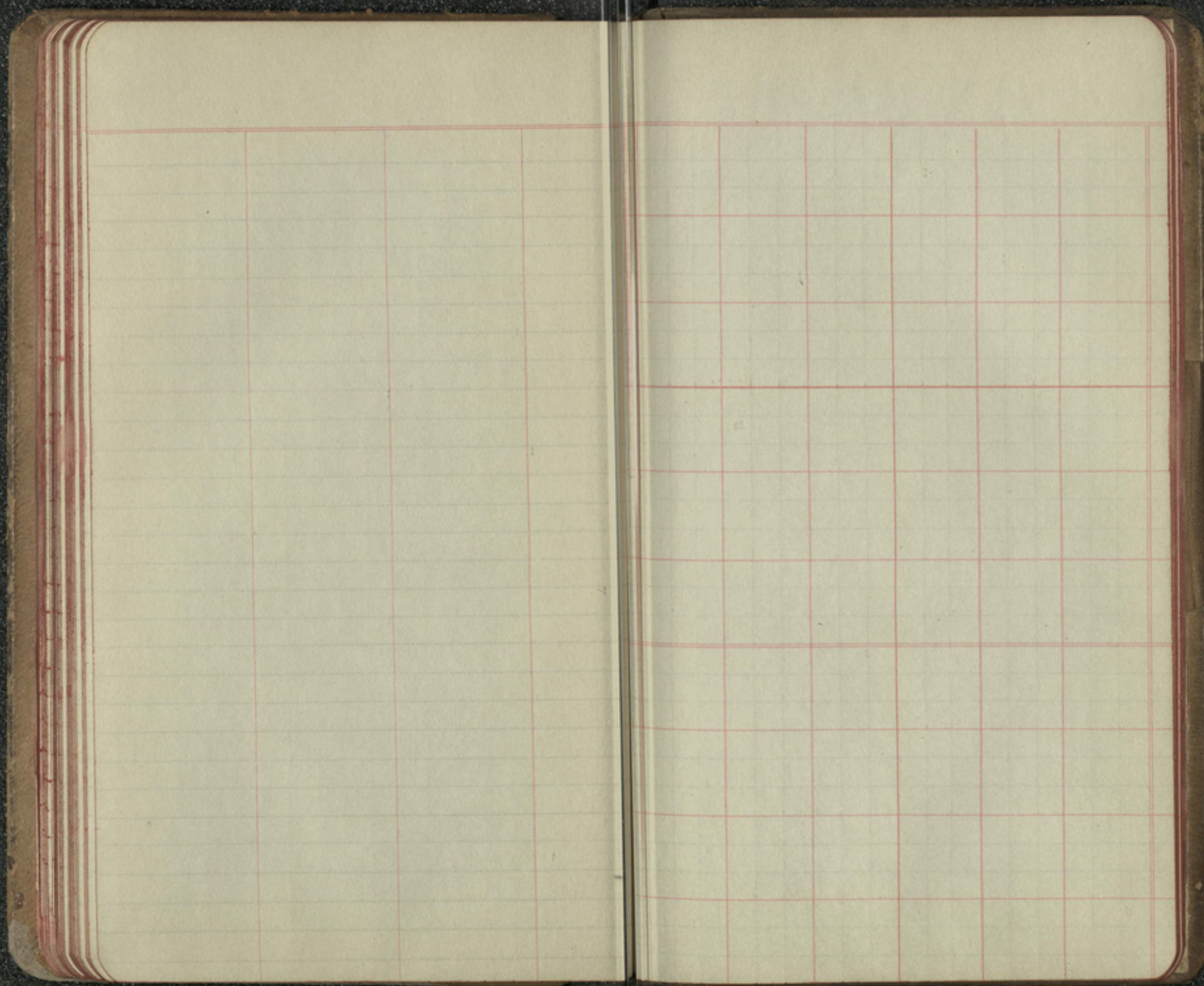


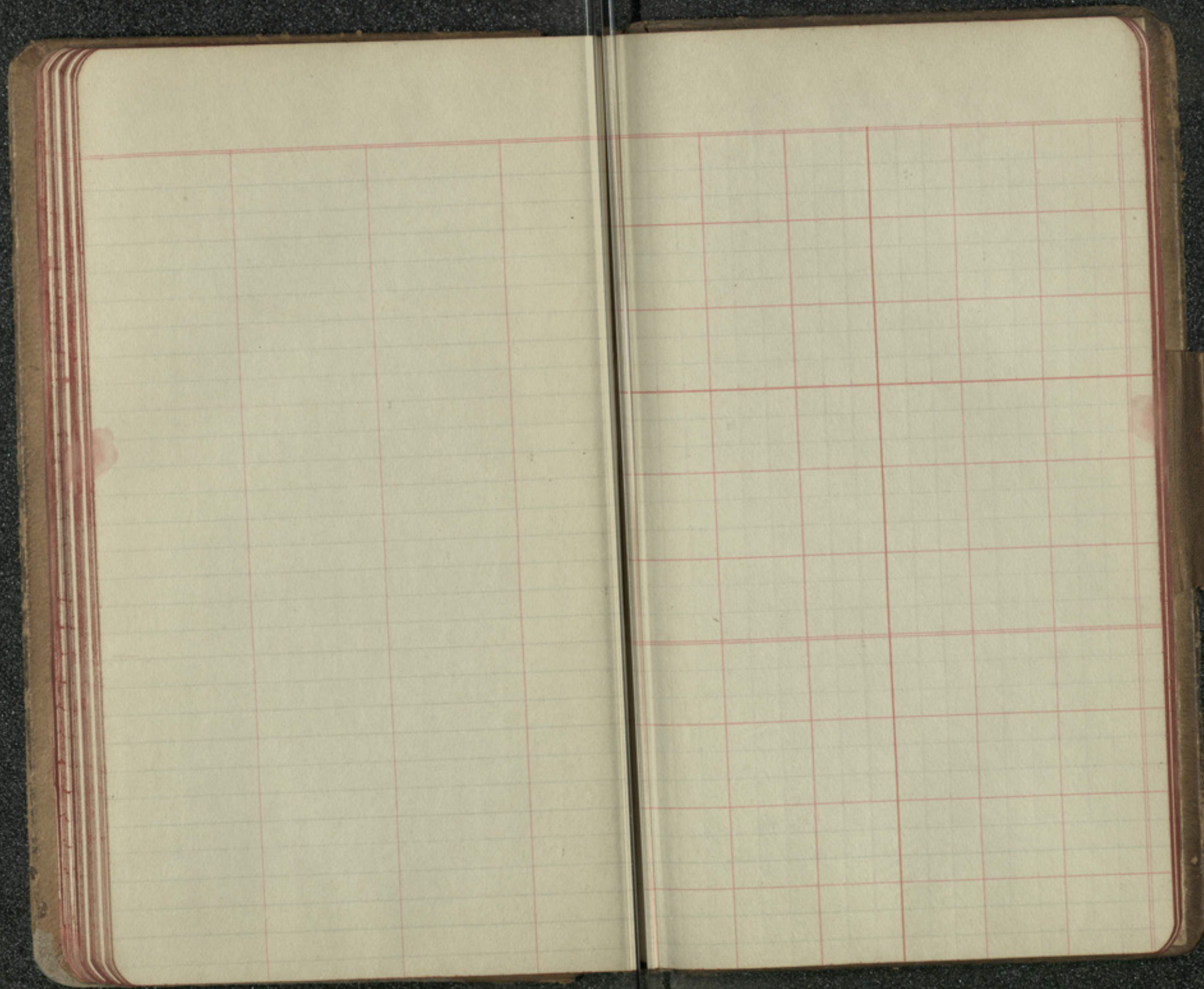


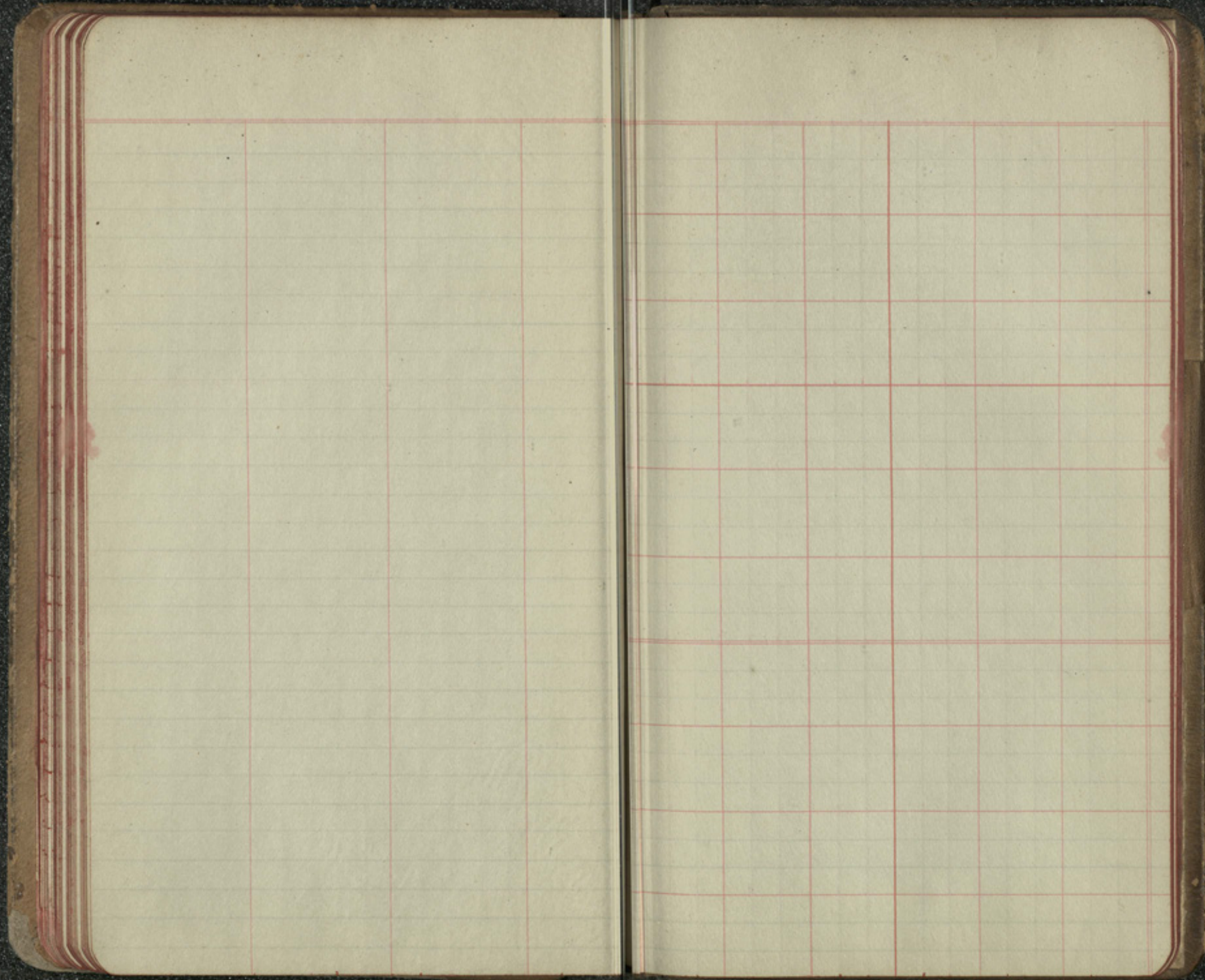


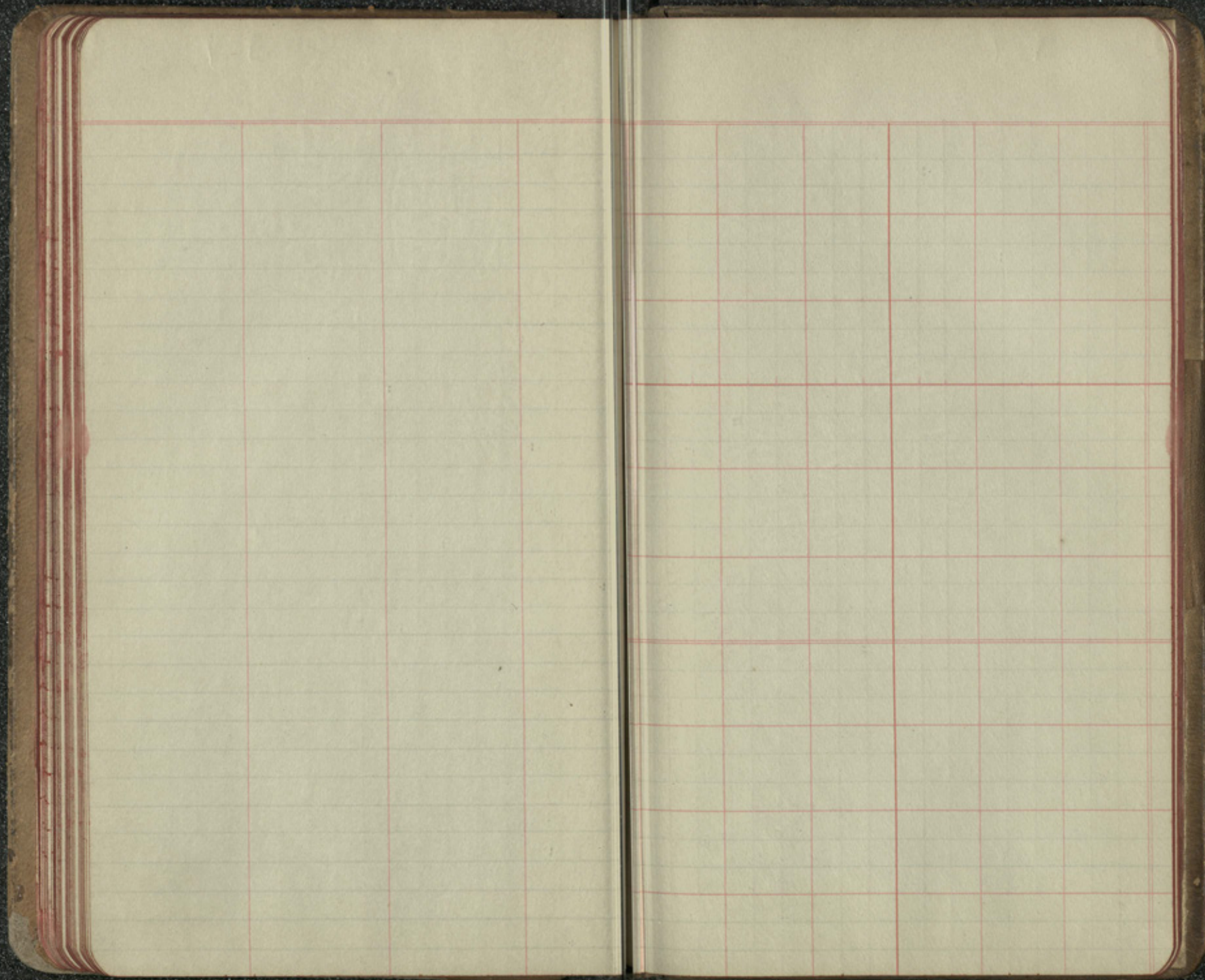


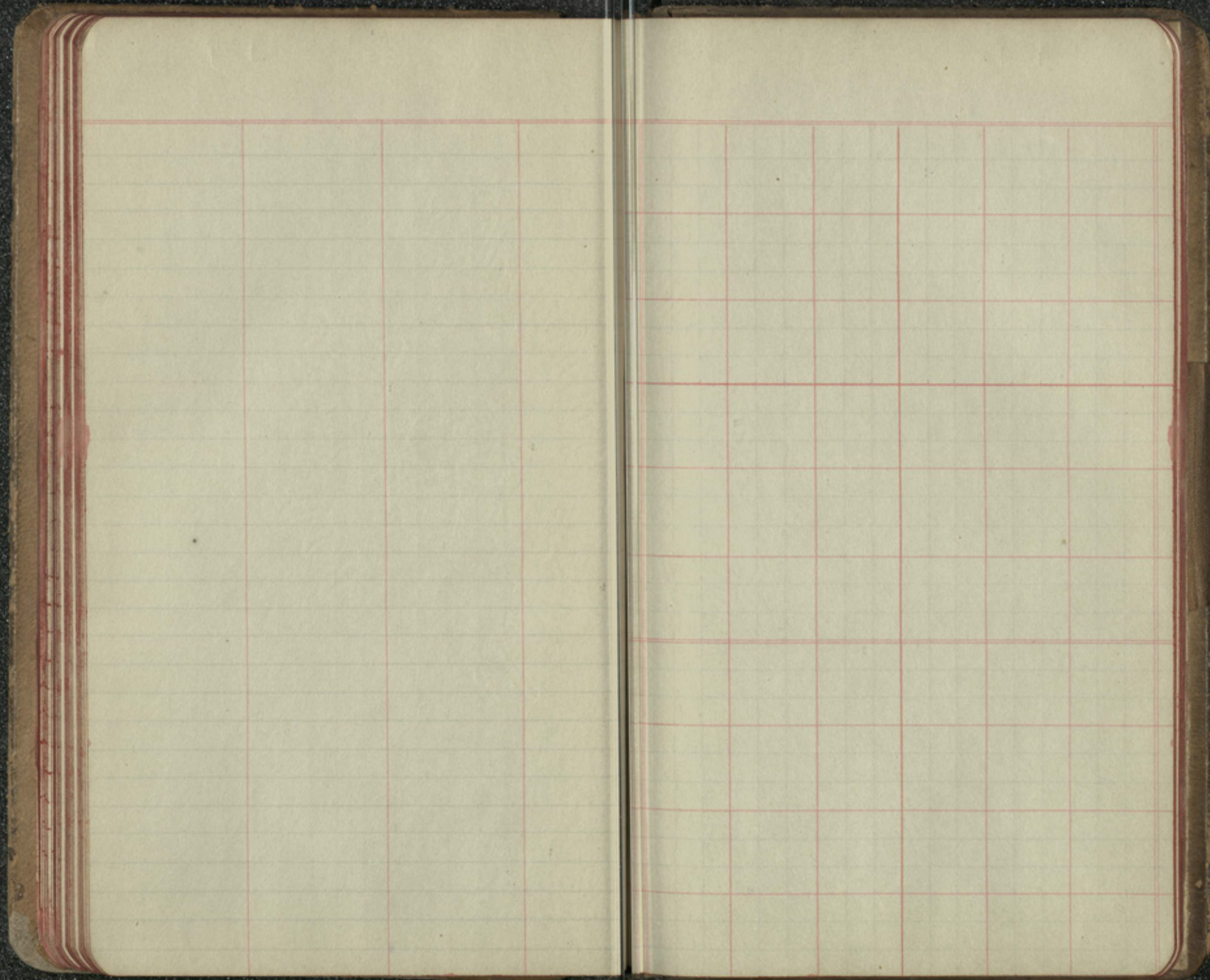


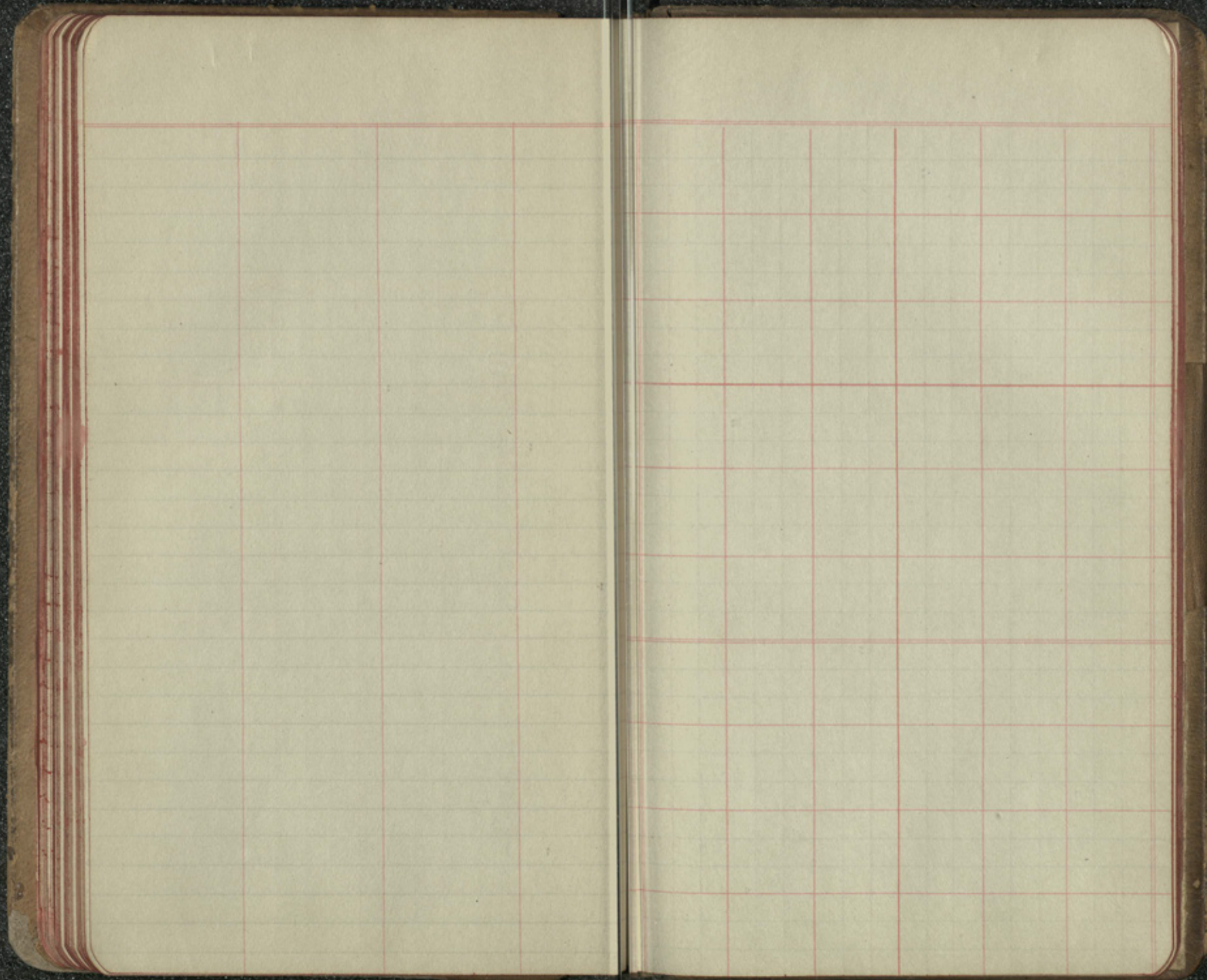


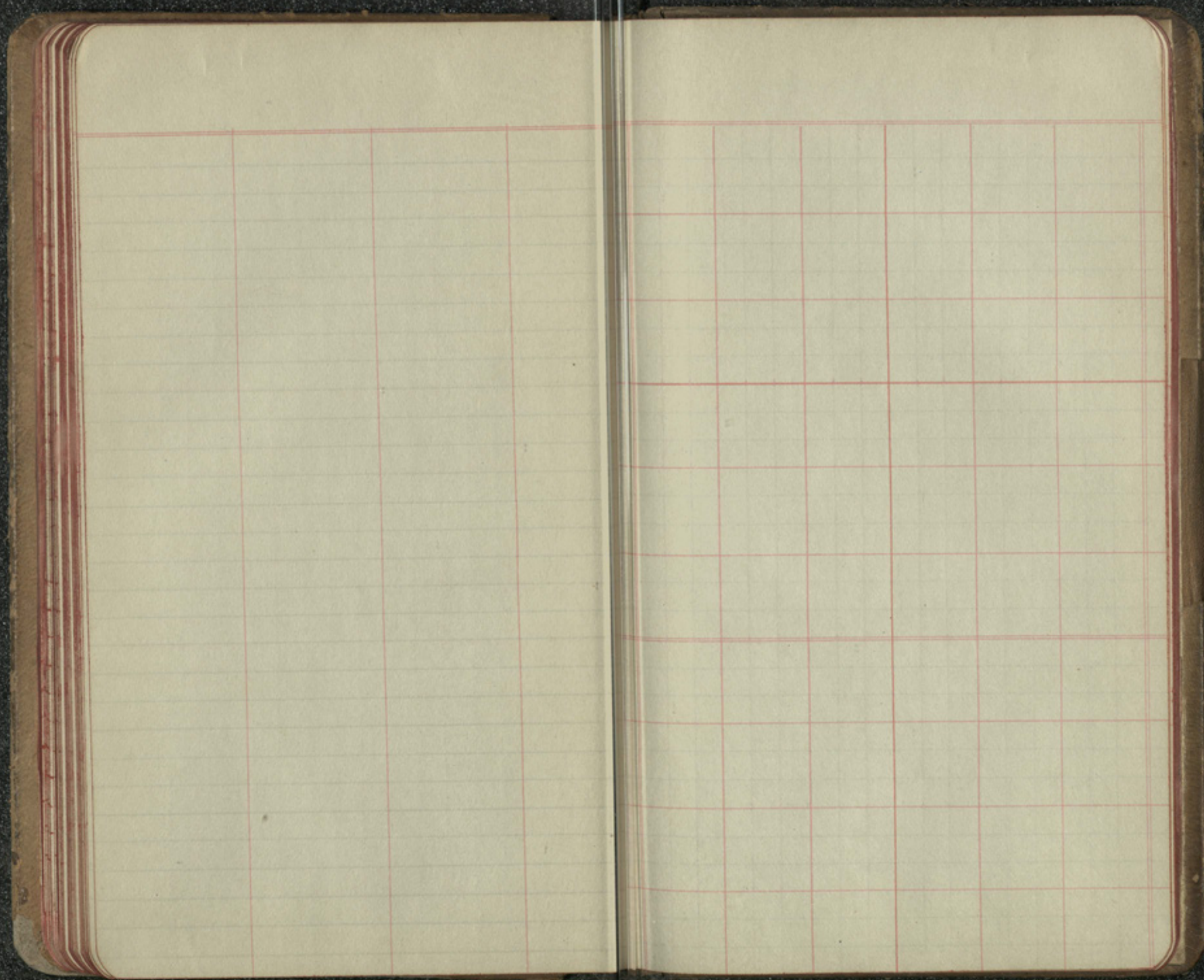


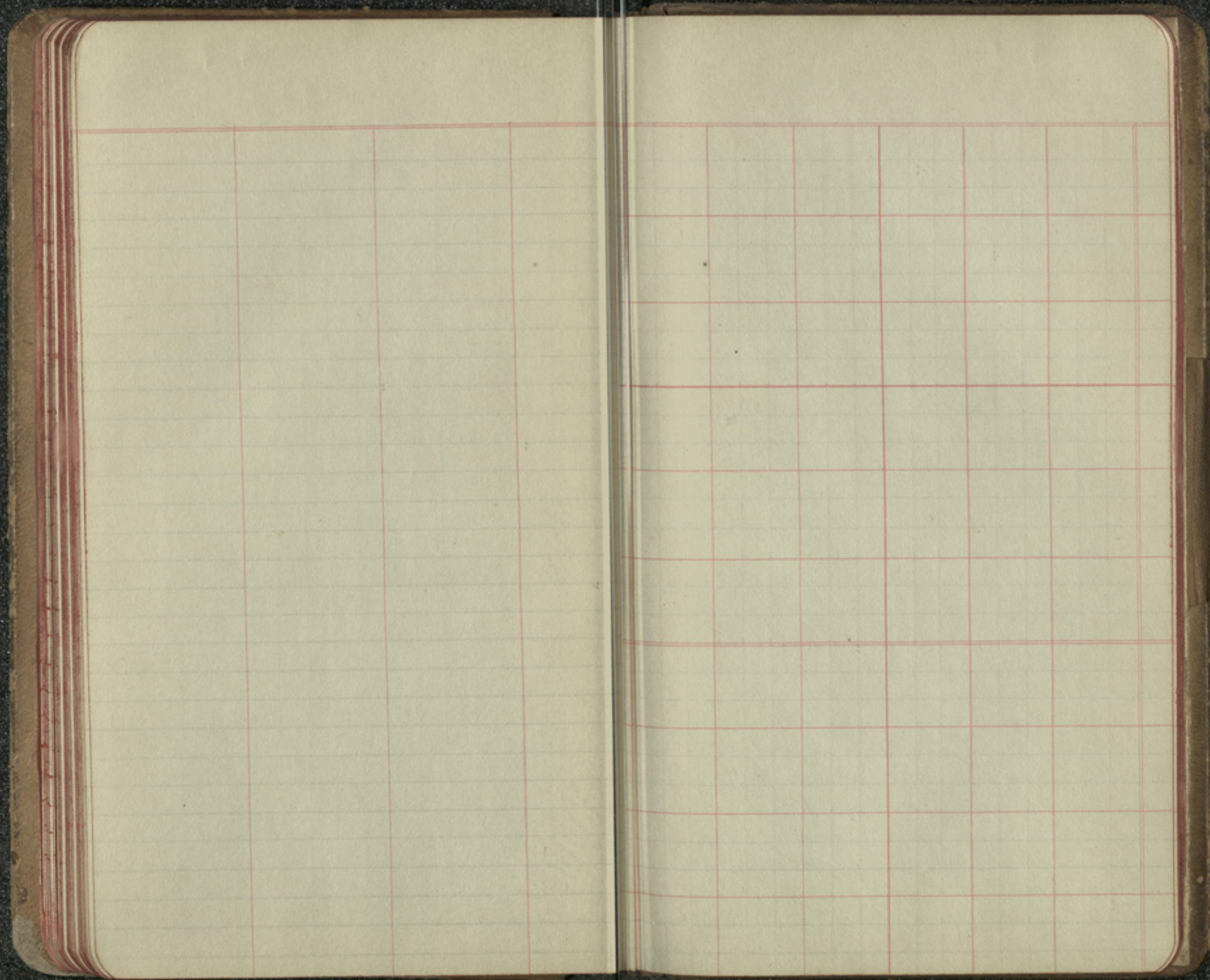


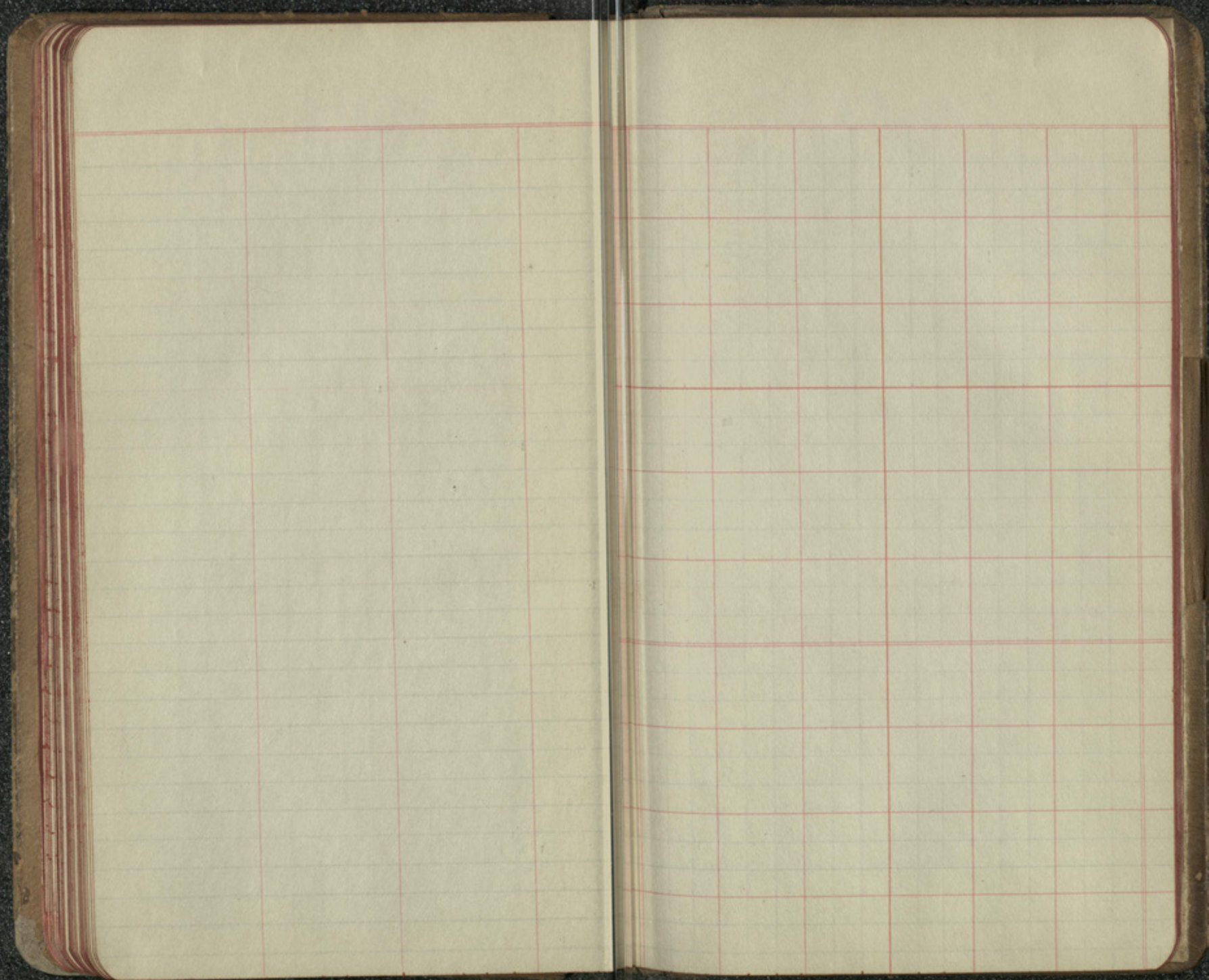


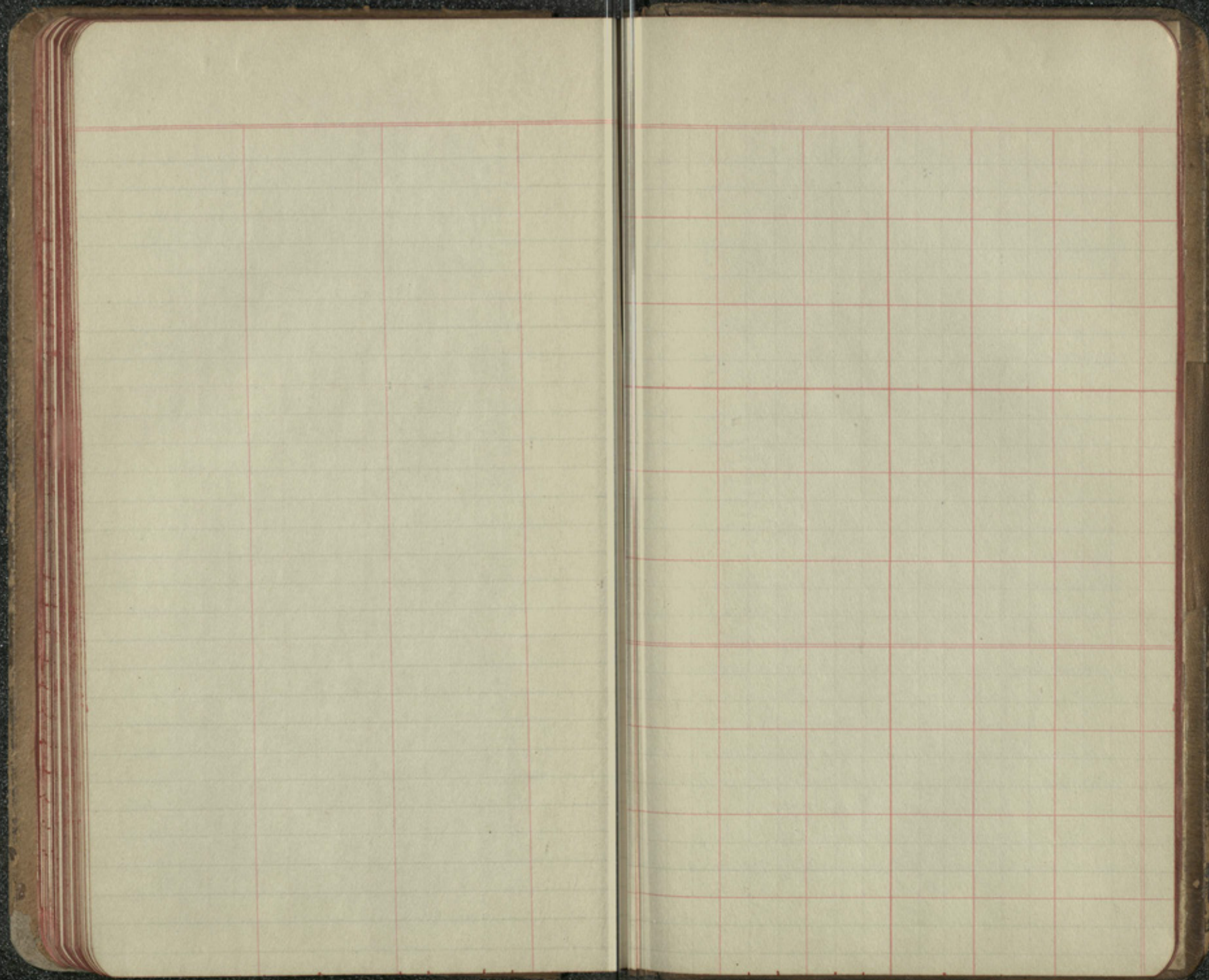


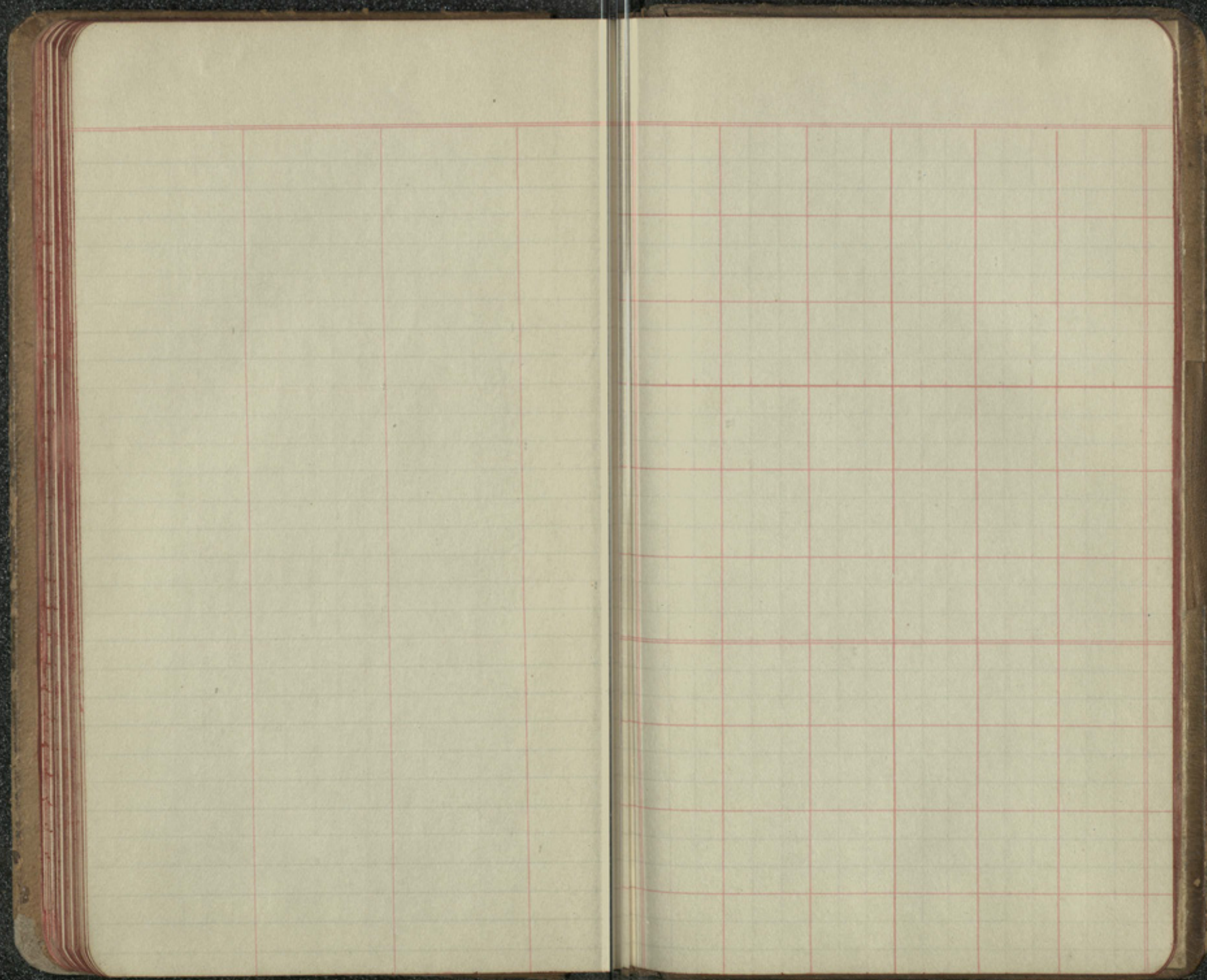


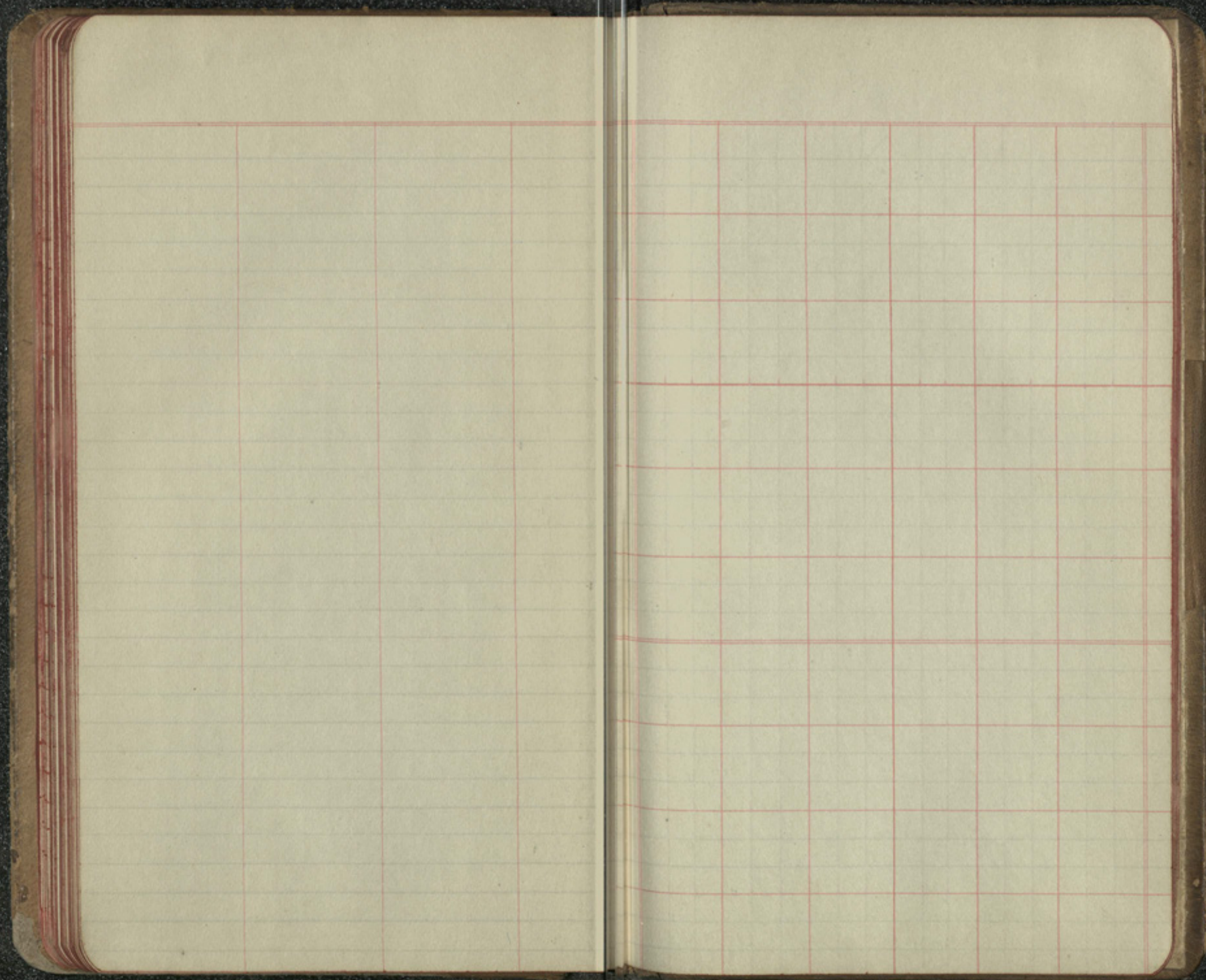


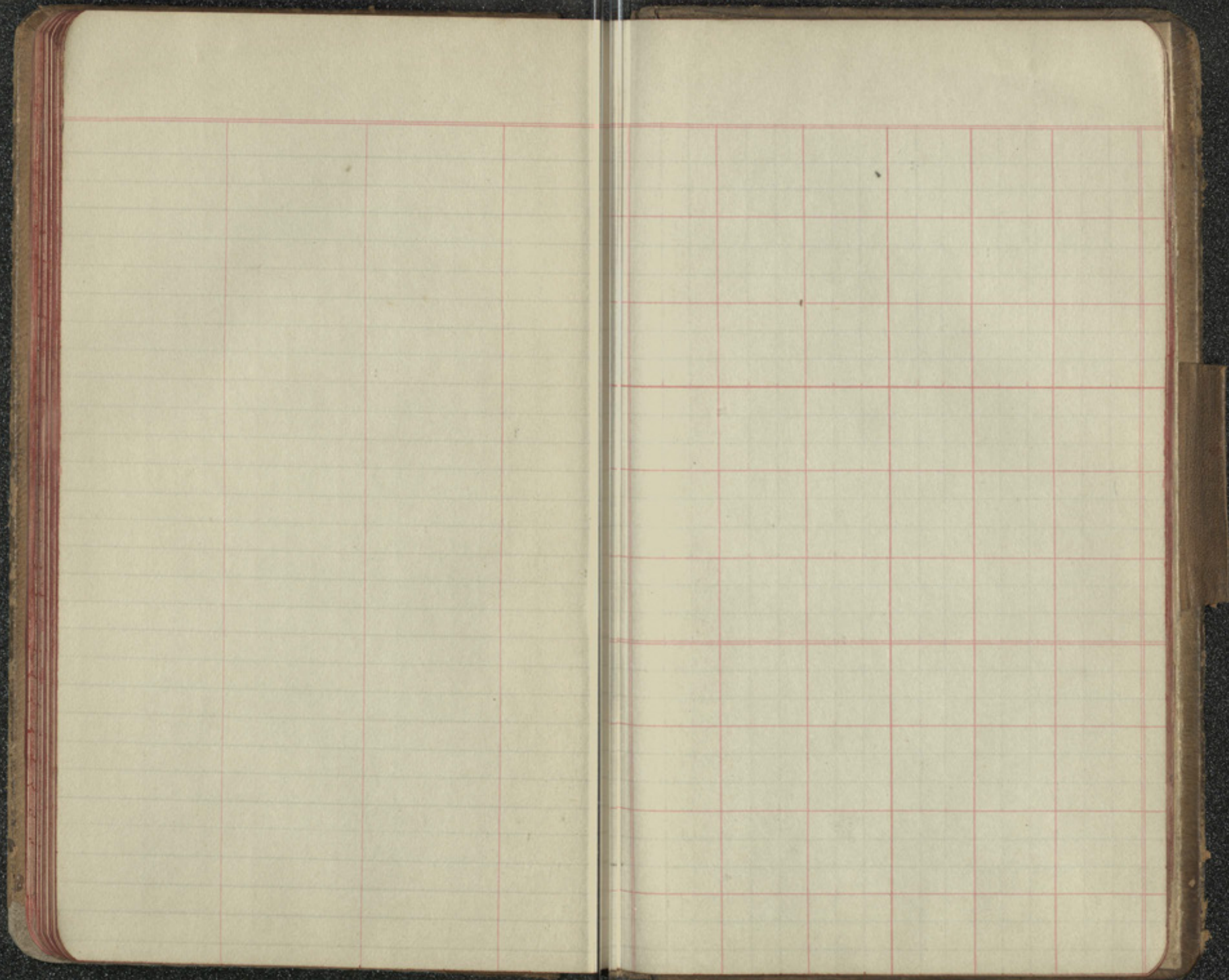


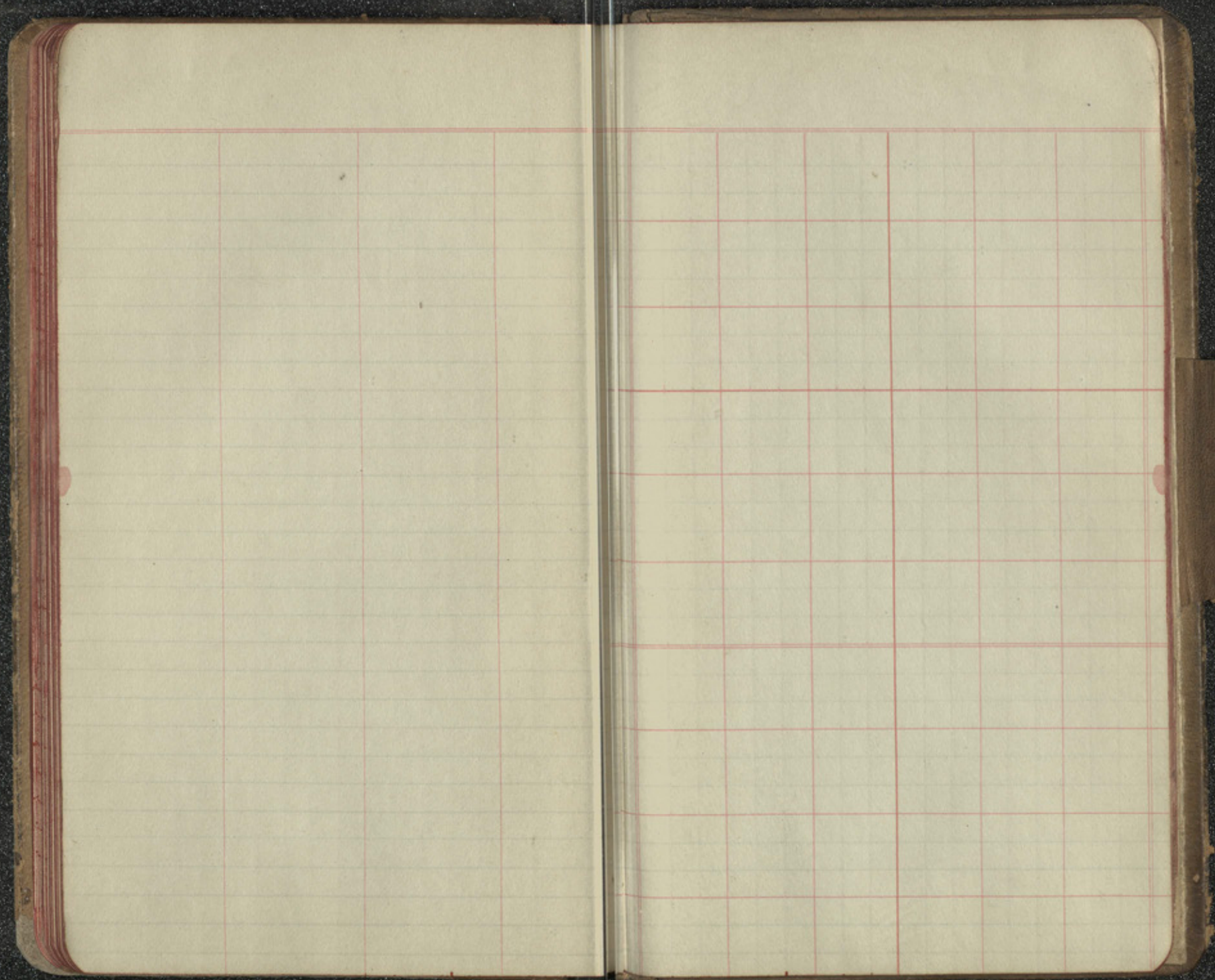


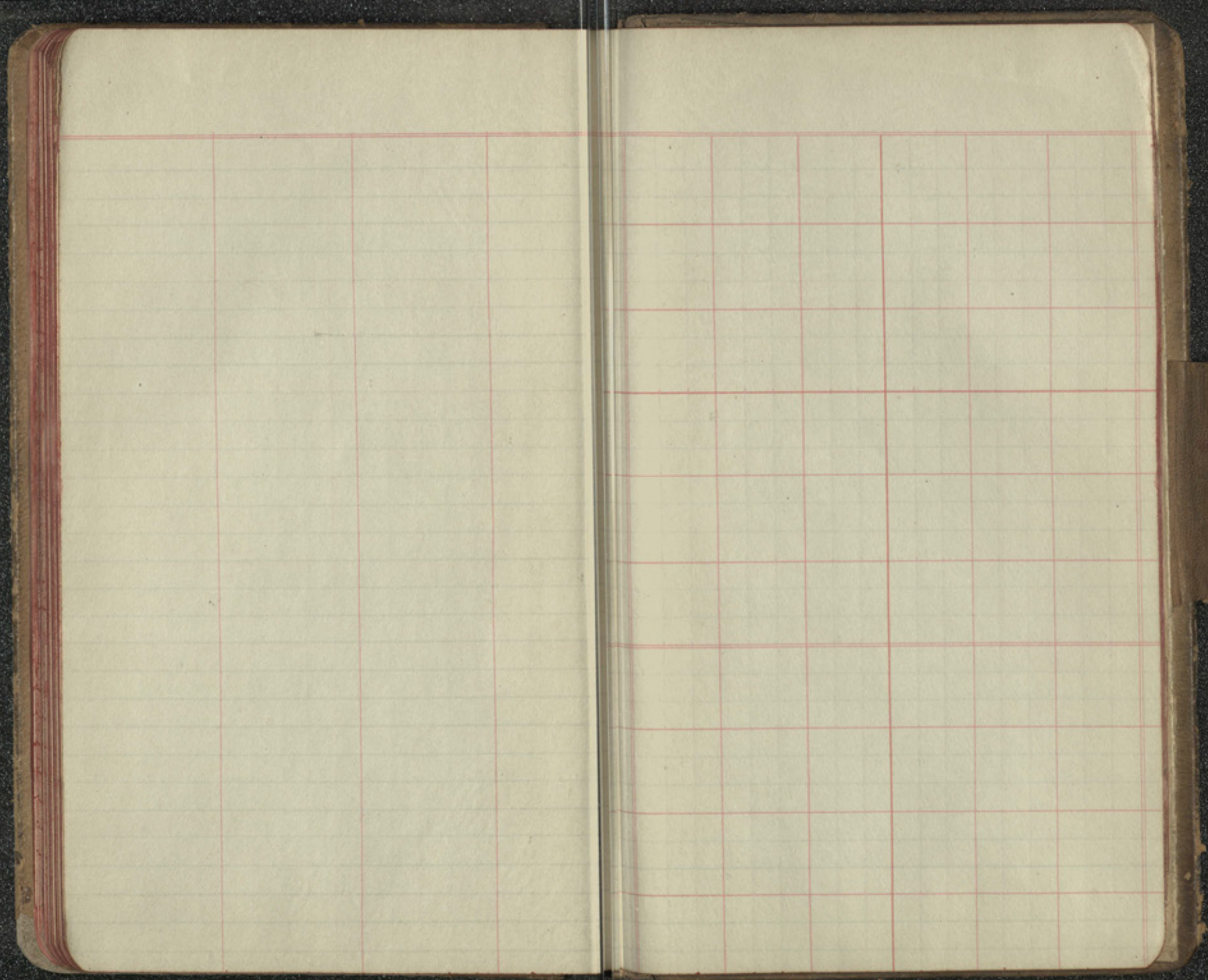


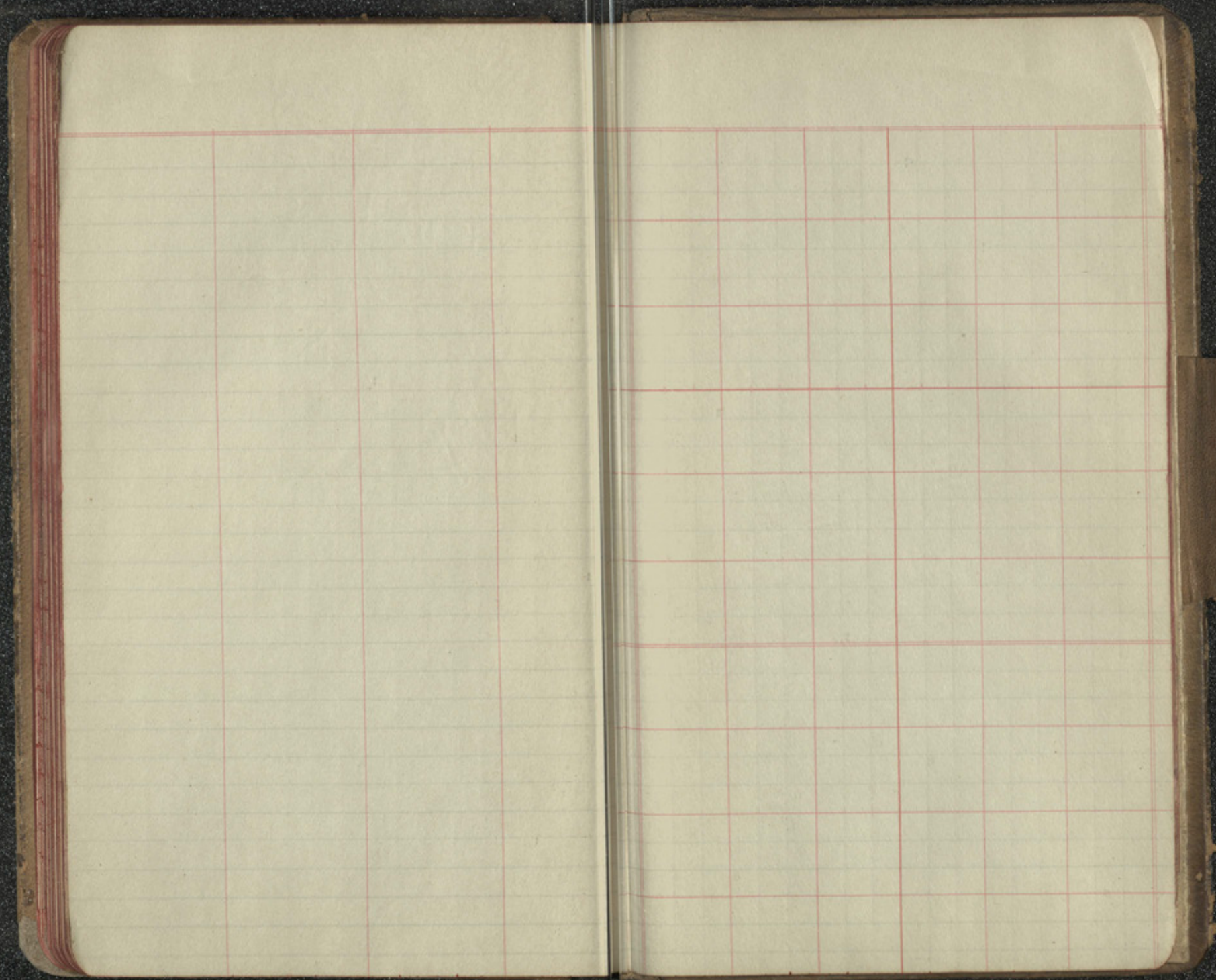


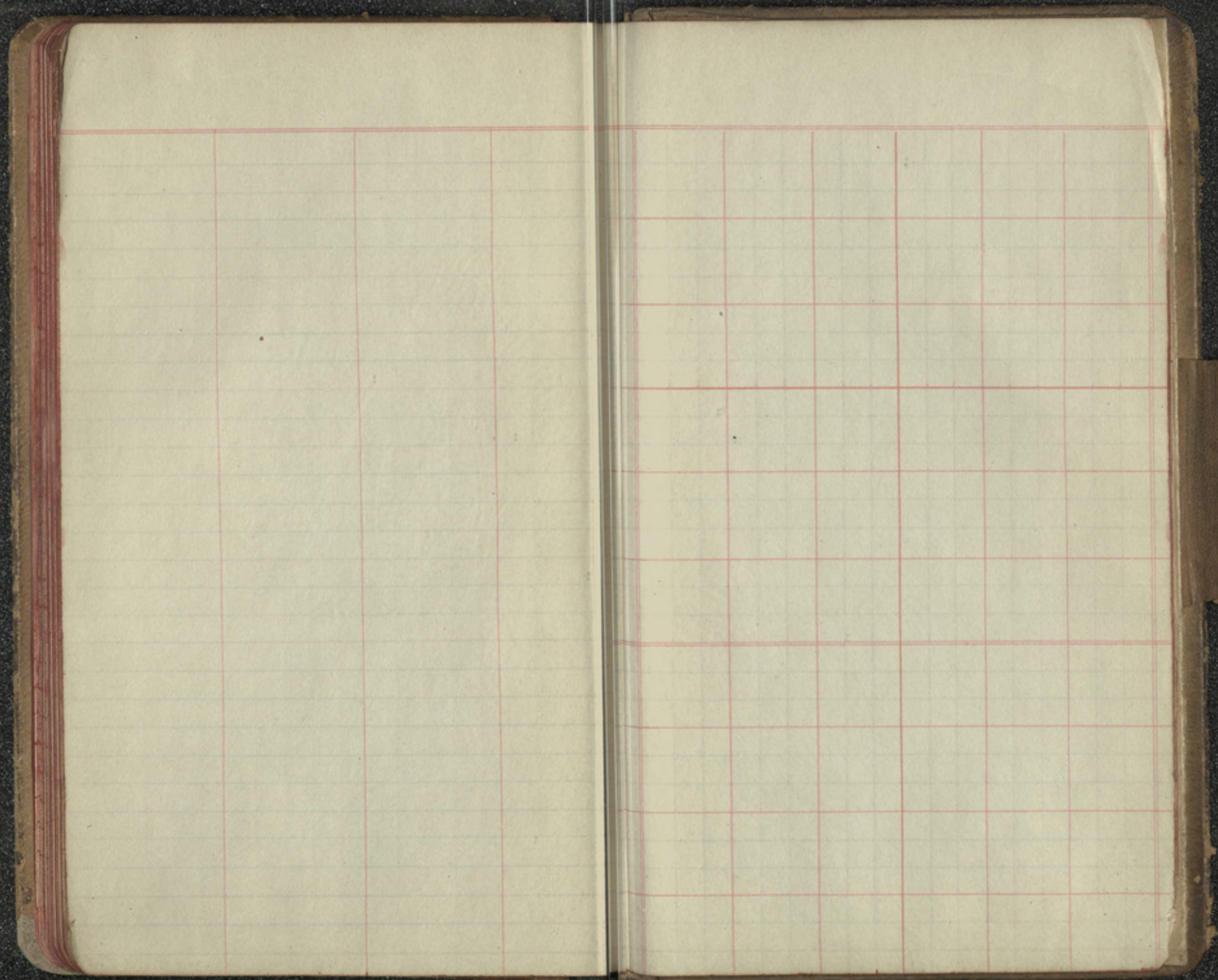


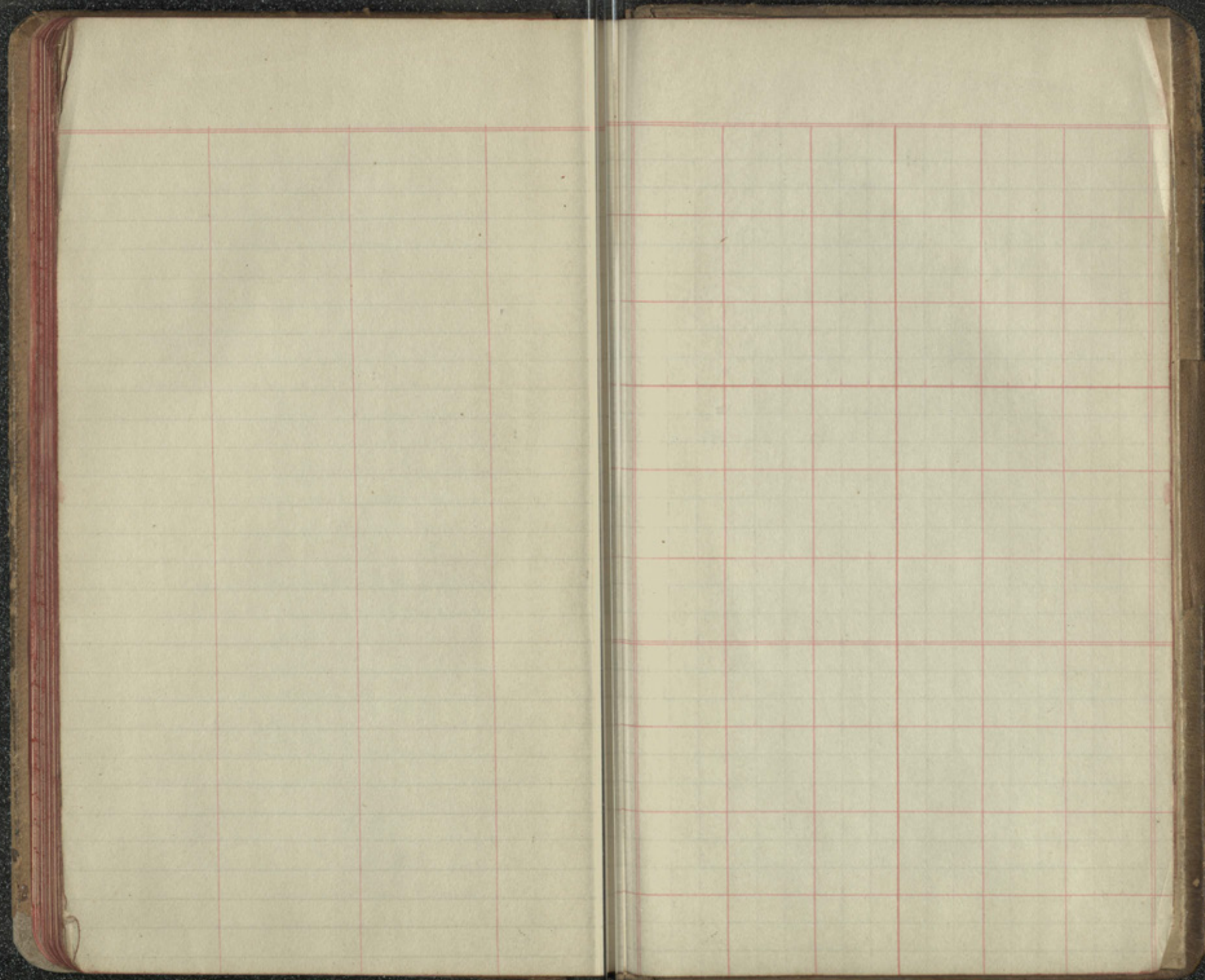






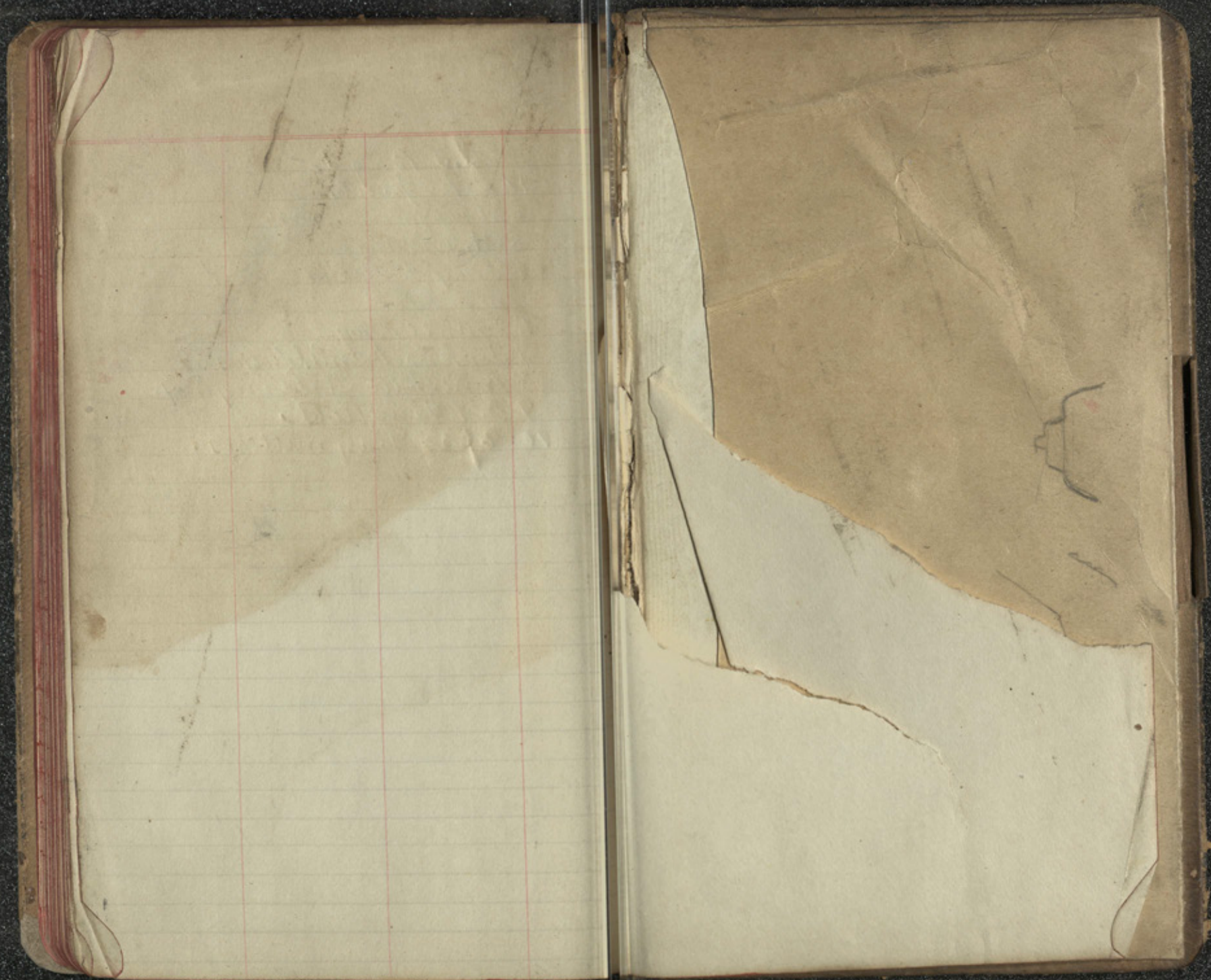






- In Bag 1. -

- 1 Khaki pants
- 2 Sheepskin shirt
- 3 At. windproof.
- 4 Gray blanket-shirt
- 5 Sweater
- 6 Small Bag
- 7 Lookto Kdmikpuks
- 8 Horsehair Sleeping Sock
- 9 Old Gannett's.
- 10 2 prs Gray mittens.





Am 2011.16.280

