

W167

TRANSIT

398

CITY OF
SAN DIEGO, CALIFORNIA
MISCELLANEOUS
EL CAPITAN LAND CLASSIFICATION
TELEGRAPH CANYON PASTURE-LOT
PITOMETER TESTS

H. S. CROCKER COMPANY

DRAWING MATERIALS AND
SURVEYING INSTRUMENTS

SAN FRANCISCO

TABLES FOR EXCAVATIONS AND EMBANKMENTS

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING

Roadway 18 Feet Wide. Side Slopes 1 to 1.
For Single Track Excavation.

"Copyright, 1895, by Kueffel & Esser Co."

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|----|------|------|------|------|------|------|------|------|------|------|----|
| 0 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 0 |
| 1 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 1 |
| 2 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 2 |
| 3 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 3 |
| 4 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 4 |
| 5 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.9 | 5 |
| 6 | 15.0 | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 6 |
| 7 | 16.0 | 16.1 | 16.2 | 16.3 | 16.4 | 16.5 | 16.6 | 16.7 | 16.8 | 16.9 | 7 |
| 8 | 17.0 | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | 17.9 | 8 |
| 9 | 18.0 | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 | 18.8 | 18.9 | 9 |
| 10 | 19.0 | 19.1 | 19.2 | 19.3 | 19.4 | 19.5 | 19.6 | 19.7 | 19.8 | 19.9 | 10 |
| 11 | 20.0 | 20.1 | 20.2 | 20.3 | 20.4 | 20.5 | 20.6 | 20.7 | 20.8 | 20.9 | 11 |
| 12 | 21.0 | 21.1 | 21.2 | 21.3 | 21.4 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 12 |
| 13 | 22.0 | 22.1 | 22.2 | 22.3 | 22.4 | 22.5 | 22.6 | 22.7 | 22.8 | 22.9 | 13 |
| 14 | 23.0 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 | 14 |
| 15 | 24.0 | 24.1 | 24.2 | 24.3 | 24.4 | 24.5 | 24.6 | 24.7 | 24.8 | 24.9 | 15 |
| 16 | 25.0 | 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 | 16 |
| 17 | 26.0 | 26.1 | 26.2 | 26.3 | 26.4 | 26.5 | 26.6 | 26.7 | 26.8 | 26.9 | 17 |
| 18 | 27.0 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5 | 27.6 | 27.7 | 27.8 | 27.9 | 18 |
| 19 | 28.0 | 28.1 | 28.2 | 28.3 | 28.4 | 28.5 | 28.6 | 28.7 | 28.8 | 28.9 | 19 |
| 20 | 29.0 | 29.1 | 29.2 | 29.3 | 29.4 | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 20 |
| 21 | 30.0 | 30.1 | 30.2 | 30.3 | 30.4 | 30.5 | 30.6 | 30.7 | 30.8 | 30.9 | 21 |
| 22 | 31.0 | 31.1 | 31.2 | 31.3 | 31.4 | 31.5 | 31.6 | 31.7 | 31.8 | 31.9 | 22 |
| 23 | 32.0 | 32.1 | 32.2 | 32.3 | 32.4 | 32.5 | 32.6 | 32.7 | 32.8 | 32.9 | 23 |
| 24 | 33.0 | 33.1 | 33.2 | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 24 |
| 25 | 34.0 | 34.1 | 34.2 | 34.3 | 34.4 | 34.5 | 34.6 | 34.7 | 34.8 | 34.9 | 25 |
| 26 | 35.0 | 35.1 | 35.2 | 35.3 | 35.4 | 35.5 | 35.6 | 35.7 | 35.8 | 35.9 | 26 |
| 27 | 36.0 | 36.1 | 36.2 | 36.3 | 36.4 | 36.5 | 36.6 | 36.7 | 36.8 | 36.9 | 27 |
| 28 | 37.0 | 37.1 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6 | 37.7 | 37.8 | 37.9 | 28 |
| 29 | 38.0 | 38.1 | 38.2 | 38.3 | 38.4 | 38.5 | 38.6 | 38.7 | 38.8 | 38.9 | 29 |
| 30 | 39.0 | 39.1 | 39.2 | 39.3 | 39.4 | 39.5 | 39.6 | 39.7 | 39.8 | 39.9 | 30 |
| 31 | 40.0 | 40.1 | 40.2 | 40.3 | 40.4 | 40.5 | 40.6 | 40.7 | 40.8 | 40.9 | 31 |
| 32 | 41.0 | 41.1 | 41.2 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 | 41.9 | 32 |
| 33 | 42.0 | 42.1 | 42.2 | 42.3 | 42.4 | 42.5 | 42.6 | 42.7 | 42.8 | 42.9 | 33 |
| 34 | 43.0 | 43.1 | 43.2 | 43.3 | 43.4 | 43.5 | 43.6 | 43.7 | 43.8 | 43.9 | 34 |
| 35 | 44.0 | 44.1 | 44.2 | 44.3 | 44.4 | 44.5 | 44.6 | 44.7 | 44.8 | 44.9 | 35 |
| 36 | 45.0 | 45.1 | 45.2 | 45.3 | 45.4 | 45.5 | 45.6 | 45.7 | 45.8 | 45.9 | 36 |

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MICROFILMED

JAN 8 1965

FROM
LORING'S BOOK STORE
SAN DIEGO CAL.

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MICROFILMED

JUL 9 1982

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| Traverse | | Echinique | | Hay Field | |
|----------|------|-----------|-------|-----------|------|
| Sta | Dist | Lt | Rt | Mag | Vert |
| 13 | 300 | | 105 | N47E | -3 |
| 12 | 325 | | 4554 | N46E | +4½ |
| 11 | 288 | 4045 | | N | -3 |
| 10 | 285 | 3041 | | N21E | -3 |
| 9 | 312 | | 3706 | N71½E | +1 |
| 8 | 178 | 1625 | | N34½E | +2 |
| 7 | 287 | 3621 | | N51E | +6 |
| 6 | 531 | 8519 | | N88E | +2 |
| 5 | 204 | 2307 | | S7½E | -9 |
| 4 | 200 | | 5945 | S5½W | -2 |
| 3 | 370 | | 0°20' | S44E | +6 |
| 2 | 239 | 0°16' | | S4730E | +7 |
| 1 | 305 | | | S44E | +5 |

232°054' 1144°10' Sk.

| Stadia | | Distancias | |
|----------|------------|---|--|
| Col. Co. | Hor. Dist. | 3-15-20 Wuaste M. Allen F. Echinique | |
| N4716E ✓ | 300 | | |
| N4611E ✓ | 324 ✓ | | |
| N 017E ✓ | 288 | | |
| N4102E ✓ | 285 | | |
| N7143E ✓ | 313 ✓ | | |
| N3437E ✓ | 149 | | |
| N5102E ✓ | 285 | | |
| N8723E ✓ | 531 | | |
| N718E ✓ | 200 | | |
| S549W ✓ | 200 | | |
| S356E ✓ | 367 | | |
| S216E ✓ | 236 | | |
| S200E ✓ | 303 | | |

| Sta | Dist | LT | RT | Mag | vert | Calco | Hor Dist |
|-----|------|---------|--------|--------|-------|----------|----------|
| 26 | 334 | | 4°20' | S46W | -1 | S4610W ✓ | 335 |
| 25 | 260 | 16°44' | | S41½W | -½ | S4150W ✓ | 261 |
| 24 | 190 | 6°51' | | S58½W | Level | S5834W ✓ | 191 |
| 23 | 522 | | 2°35' | S66W | -2 | S6525W ✓ | 522 |
| 22 | 725 | 0°30' | | S63W | Level | S6250W ✓ | 726 |
| 21 | 523 | 97°34' | | S62½W | Level | S6324W ✓ | 524 |
| 20 | 524 | 0°21' | | N19W | -4½ | N1902W ✓ | 522 |
| 19 | 569 | | 0°18' | N19W | -4½ | N1848W ✓ | 566 |
| 18 | 398 | 127 | | N19½W | -3½ | N1906W ✓ | 397 |
| 17 | 298 | 120°25' | | N18W | -2 | N1739W ✓ | 298 |
| 16 | 494 | | 15°20' | S7730E | +5 | S7714E ✓ | 491 |
| 15 | 585 | | 89°30' | N87E | +3½ | N8726E ✓ | 583 |
| 14 | 240 | 179°20' | | N230W | -2½ | N204W ✓ | 239 |

293°09' 112°03' dx

| Sta | Dist | Lt | Rt | Mag | Vert V | Calco | Hor Dist |
|-----|------|----|----|-----|--------|-------|----------|
|-----|------|----|----|-----|--------|-------|----------|

| | | | | | | | |
|----|-----|-------------|-------------|------|-----------------|----------|-----|
| 1 | | | | | | | |
| 28 | 591 | | 339' | S41W | - $\frac{1}{2}$ | S4119W | 592 |
| 27 | 507 | 830' | | 537W | Level | S3740W ✓ | 508 |
| | | <u>830'</u> | <u>339'</u> | chk. | | | |

Transverse Proposed Pasture Lot
Telegraph Canyon

Sta Dist Lt. Rt. Mag Co Cal Co

Copied
Stadia Distances
Vert V Hor Dist.

3-18-20.
Wueste
Klatt
Heiman

| | | | | | | | | | |
|----|-----|---------|---------|-----------|----------|-------|-----|--|--------------------------------|
| 2 | | | | | | | | | |
| 1 | | | 114°45' | | 58416 E | chk | | | = NE Property Corner |
| 1 | 46 | 1°53' | | N 81½ W | N 1901 W | -17 | 43 | | 1' offset E of fence |
| 10 | 170 | 108°44' | | N 18 W | N 1708 W | -6 | 169 | | 1' offset S and E of SE Cor |
| 9 | 265 | | 86°41' | ? N 89½ E | 58824 E | +5½ | 263 | | 1' offset S of fence |
| 8 | 442 | | 106°14' | N 2½ E | N 455 E | -1½ | 442 | | |
| 7 | 260 | - | - | S 76½ W | 57841 W | -13 | 248 | | |
| 6 | 126 | | 4°08' | S 77 W | 57841 W | Level | 127 | | |
| 5 | 233 | | 97°48' | S 72½ W | 57433 W | +13 | 222 | | |
| 4 | 260 | 15°30' | | S 22 E | S 2015 E | +3 | 260 | | |
| 3 | 242 | | 80°34' | S 630 E | S 445 E | +3½ | 242 | | |
| 2 | 167 | 1°00' | | S 87 E | S 8519 E | -3 | 167 | | |
| 1 | 65 | 6°19' | | S 87½ E | S 8219 E | +8 | 65 | | = NE Property Corner |
| | | 133°26' | | S 78 E | | | | | = Bearing of north fence line. |

| | | | |
|-----|-----------|-----------|-----------|
| 516 | 566 | 396 | 346 |
| 466 | <u>30</u> | <u>20</u> | <u>20</u> |
| 2 | 536 | 376 | 366 |
| | <u>20</u> | <u>30</u> | <u>20</u> |
| 486 | 516 | 346 | 386 |
| 2 | <u>20</u> | <u>20</u> | |
| 506 | 496 | 366 | |
| 2 | <u>20</u> | <u>20</u> | |
| 526 | 476 | 386 | |
| 2 | <u>20</u> | <u>20</u> | |
| 546 | 456 | 406 | |
| 2 | <u>20</u> | <u>20</u> | |
| 566 | 436 | 426 | |
| | <u>30</u> | <u>20</u> | |
| | 406 | 446 | |
| | <u>20</u> | <u>30</u> | |
| | 426 | 476 | |
| | <u>20</u> | <u>20</u> | |
| | 446 | 396 | |
| | <u>20</u> | <u>20</u> | |
| | 466 | 376 | |
| | <u>20</u> | <u>20</u> | |
| | 486 | 356 | |
| | <u>20</u> | <u>20</u> | |
| | 506 | 336 | |
| | <u>30</u> | <u>20</u> | |
| | 476 | 316 | |
| | <u>20</u> | <u>30</u> | |
| | 456 | 286 | |
| | <u>20</u> | <u>20</u> | |
| | 436 | 306 | |
| | <u>20</u> | <u>20</u> | |
| | 416 | 326 | |
| | <u>20</u> | <u>20</u> | |
| | 396 | 346 | |

Needle - Stadia Traverse -
 Plow-land - Head Ranch and
 Smith Ranch

8-19-22
 Noesta Witte

3

| | | | |
|-------|------|-----|-----------|
| π@ 1 | | | |
| to 2 | 4.30 | 287 | ✓ S7-05E |
| π@ 2 | | 574 | |
| to 3 | 4.17 | | ✓ S4-05E |
| π@ 3 | | | |
| to 4 | 3.22 | | ✓ S9-10E |
| π@ 4 | | | |
| to 5 | 121 | | ✓ N88-30E |
| π@ 5 | | | |
| to 6 | 390 | | ✓ N88-00E |
| π@ 6 | | | |
| to 7 | 554 | | ✓ S74-45E |
| π@ 7 | | | |
| to 8 | 444 | | ✓ S4-25E |
| π@ 8 | | | |
| to 9 | 380 | | ✓ S8-00E |
| π@ 9 | | | |
| to 10 | 363 | | ✓ N85-10W |
| π@ 10 | | | |
| to 11 | 574 | | ✓ N43-30W |
| π@ 11 | | | |
| to 12 | 367 | | ✓ N80-00W |
| π@ 12 | | | |
| to 13 | 440 | | ✓ N6-40W |

= pt under oak tree alongside road

7' N of Head S Line

pt on survey of Smith field

= 28' W of A4

123
34
99

LP - 1147 x 2
62
697
994

#

| | | | |
|-------|-----|--|-----------|
| π@ 6 | | | |
| to 14 | 994 | | ✓ N34-00E |
| π@ 14 | | | |
| to 15 | 310 | | ✓ N22-15E |
| π@ 15 | | | |
| to 16 | 387 | | ✓ N68-35E |
| π@ 16 | | | |
| to 17 | 391 | | ✓ N14-00E |
| π@ 17 | | | |
| to 18 | 270 | | ✓ N11-00W |
| π@ 18 | | | |
| to 19 | 660 | | ✓ N5645W |
| π@ 19 | | | |
| to 20 | 520 | | ✓ S38-05W |
| π@ 20 | | | |
| to 21 | 463 | | ✓ S50-30W |
| π@ 21 | | | |
| to 22 | 283 | | ✓ S50-00W |
| π@ 22 | | | |
| to 1 | 347 | | (S53-30W) |

along river bank

Needle - Stadia Traverso
- Henderson Olive Grove

8-21-22 5
Wuoste
Witte

| | | | |
|------|-----|--|-----------|
| 7@1 | | | |
| to 2 | 440 | | ✓ N6515W |
| | 276 | | ✓ N15-00W |
| | 173 | | ✓ N11-00E |
| | 210 | | ✓ N12-25E |
| | 257 | | ✓ N23-30E |
| | 555 | | ✓ S63-20E |
| | 208 | | ✓ S19-30W |
| | 230 | | ✓ S19-50W |
| | 150 | | ✓ S1930W |
| | 115 | | ✓ S64-00E |
| | 234 | | ✓ S23-15W |
| to 1 | 013 | | ✓ N6515W |

note ²/₃ of Grove to north
of Henderson N line. (In I.R.)
A line drawn E from N14
prominence of grove near NW
Cor of same cuts grove as per
above.

Henderson Abandoned Vineyard

8-21-22
Wueste
WITU

| | | | |
|------|-----|--|-----------|
| 1 | | | |
| +0 | 186 | | ✓ S14-40E |
| 2 | | | |
| | 400 | | ✓ S58-40E |
| 3 | | | |
| | 117 | | ✓ N42-30E |
| 4 | | | |
| | 590 | | ✓ N38-45W |
| 5 | | | |
| +0 1 | 192 | | ✓ S3135W |

Needle - Stadia Traverse
Henderson Bottom

262
52

| | | |
|-------|-----|-------------|
| λ @ 1 | | |
| 2 | 210 | ✓ N 40 00 E |
| π @ 2 | | |
| 3 | 267 | ✓ N 35-30 E |
| π @ 3 | | |
| 4 | 395 | ✓ N 31-30 E |
| π @ 4 | | |
| 5 | 252 | ✓ N 27-45 E |
| π @ 5 | | |
| 6 | 445 | ✓ N 89-30 W |
| π @ 6 | | |
| 7 | 480 | ✓ S 89-30 W |
| π @ 7 | | |
| to 8 | 304 | ✓ S 20-30 W |
| | 330 | ✓ S 14-10 E |
| | 218 | ✓ 30-50 E |
| | 524 | ✓ S 2-30 W |
| | 137 | ✓ N 88-30 E |
| | 458 | ✓ N 27 20 E |

edge river near Sec Cor

edge river near fence cor.

Head N line

Noodie - Stadia Traverse
 River-bed. Henderson - Head
 Properties

| | | | |
|----|-----|-----------|------------------------------|
| to | 353 | ✓ 585-00W | Rt bank of river |
| to | 270 | ✓ 55-45E | |
| | 372 | ✓ 531-50W | |
| | 088 | ✓ 535-00W | |
| | 357 | ✓ 532-45W | |
| | 239 | ✓ 543-25W | |
| to | 335 | ✓ 549-20W | Head N Line (side shot) |
| to | 675 | ✓ 549-30W | Head W line |
| | 340 | ✓ 51-00E | |
| | 500 | ✓ 516-00W | |
| | 435 | ✓ 55-15E | |
| | 184 | ✓ 375-00E | 21 of Head plowland traverse |

TRAVERSE D-S.D. P.L. VELOCITIES
40" P.L. BELOW FILTRATION PLANT.

2:00 PM R.C. Wueste 67-23.

| Depth | Defl. | Velocity | Area | Volume | Mean ring defl. in ft. |
|----------|--------|----------|------|--------|------------------------|
| 2 1/2" A | 4 3/8" | 198 | 3204 | 6343 | 0.3802 |
| 4" | 5 1/2" | 245 | 2416 | 5933 | 0.5651 |
| 6" B | 6 1/2" | | | | |
| 8" | 7" | | | | |
| 10" C | 7" | 257 | 1731 | 4448 | 0.6354 |
| 12" | 7 1/4" | 262 | 1068 | 2798 | 0.6615 |
| 14" D | 7 1/4" | | | | |
| 16" | 7 1/2" | | | | |
| 18" E | 8" | 264 | 0342 | 0903 | 0.6719 |
| 20" | 8" | | | | |
| 22" | 8 1/4" | | | | |
| 24" | 8 1/2" | | | | |
| 26" | 8 3/4" | | | | |
| 28" | 8 1/2" | | | | |
| 30" | 8 1/2" | | | | |
| 32" | 7 3/4" | | | | |
| 34" | 7 1/2" | | | | |
| 36" | 6 3/4" | | | | |

8.761 20.425

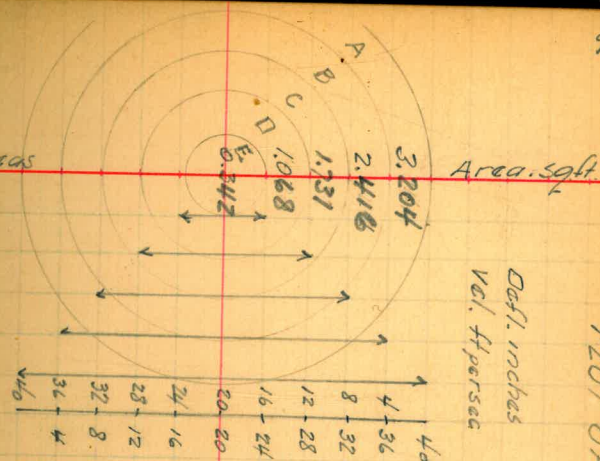
$$\frac{20.425}{8.761} = 2.33 \text{ Ave. Vel.}$$

$$\frac{2.33}{2.64} = .882 \text{ Pipe Coefficient}$$

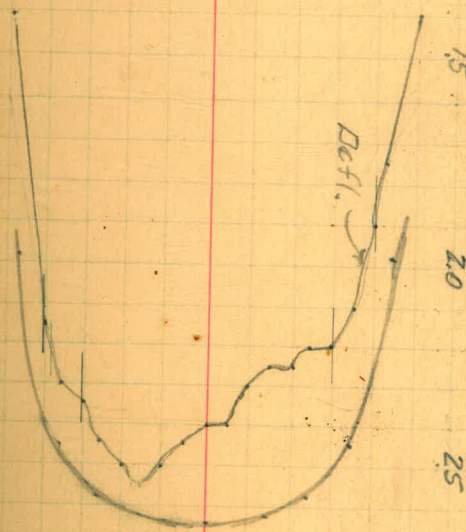
Note: Flowmeter 7 1/2" = 11.25 MG. per 24 hrs.
Cage Filter Plant 18" sp.gr. carbon tetrochloride solution 1.2286 (Dr. Thompson)
Q = 132 mgd.

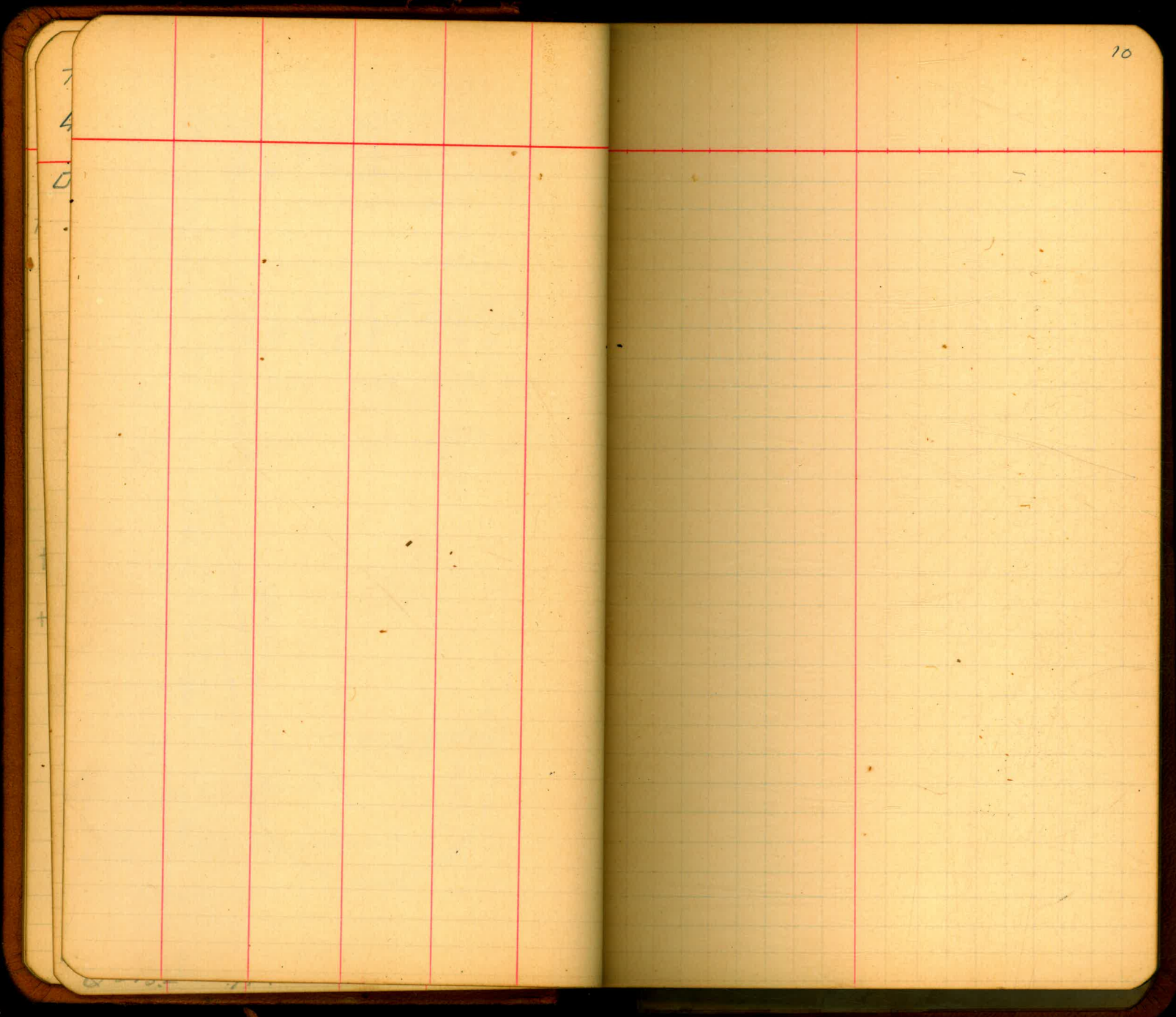
Ring Areas

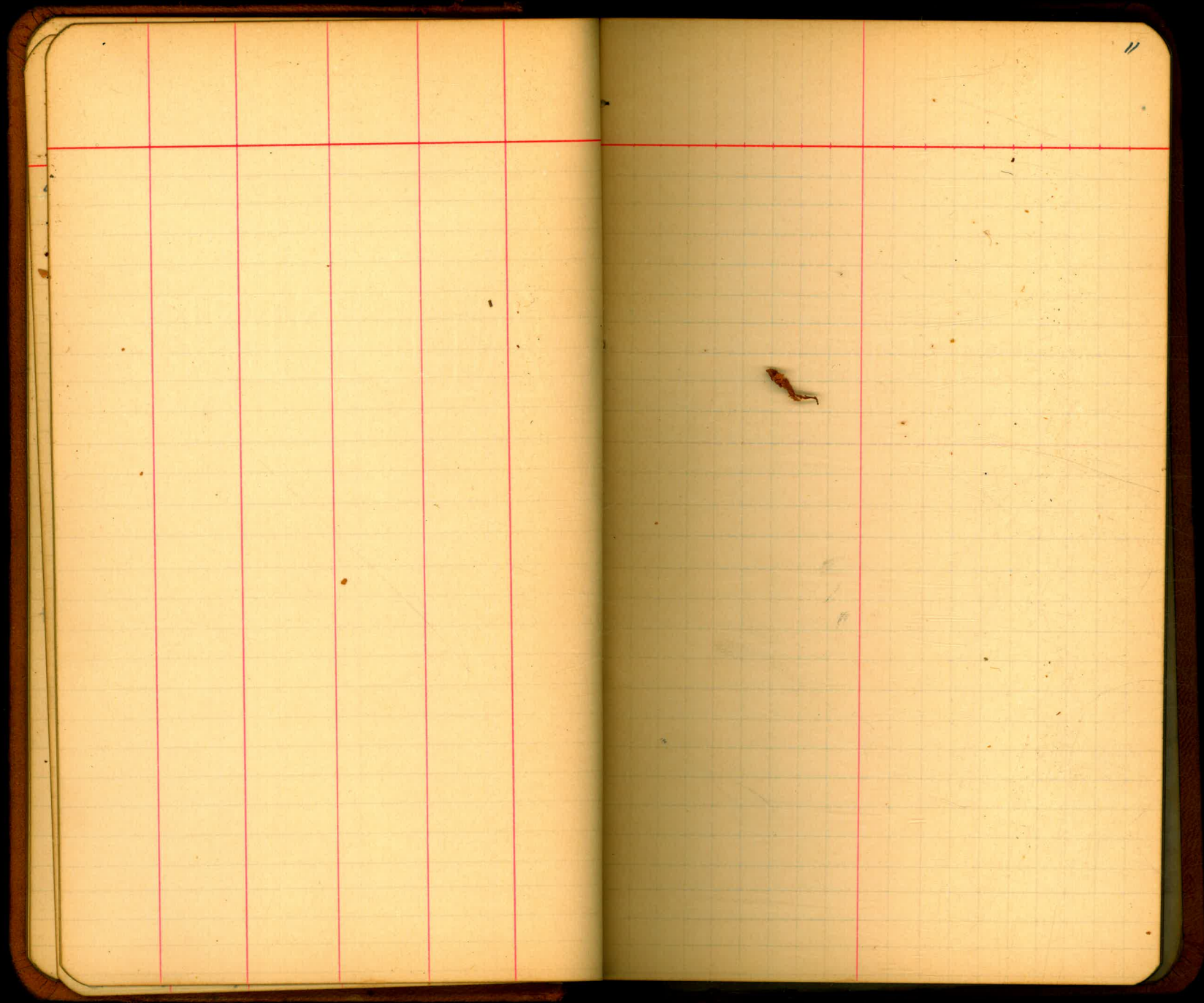
8"
16"
24"
32"
40"

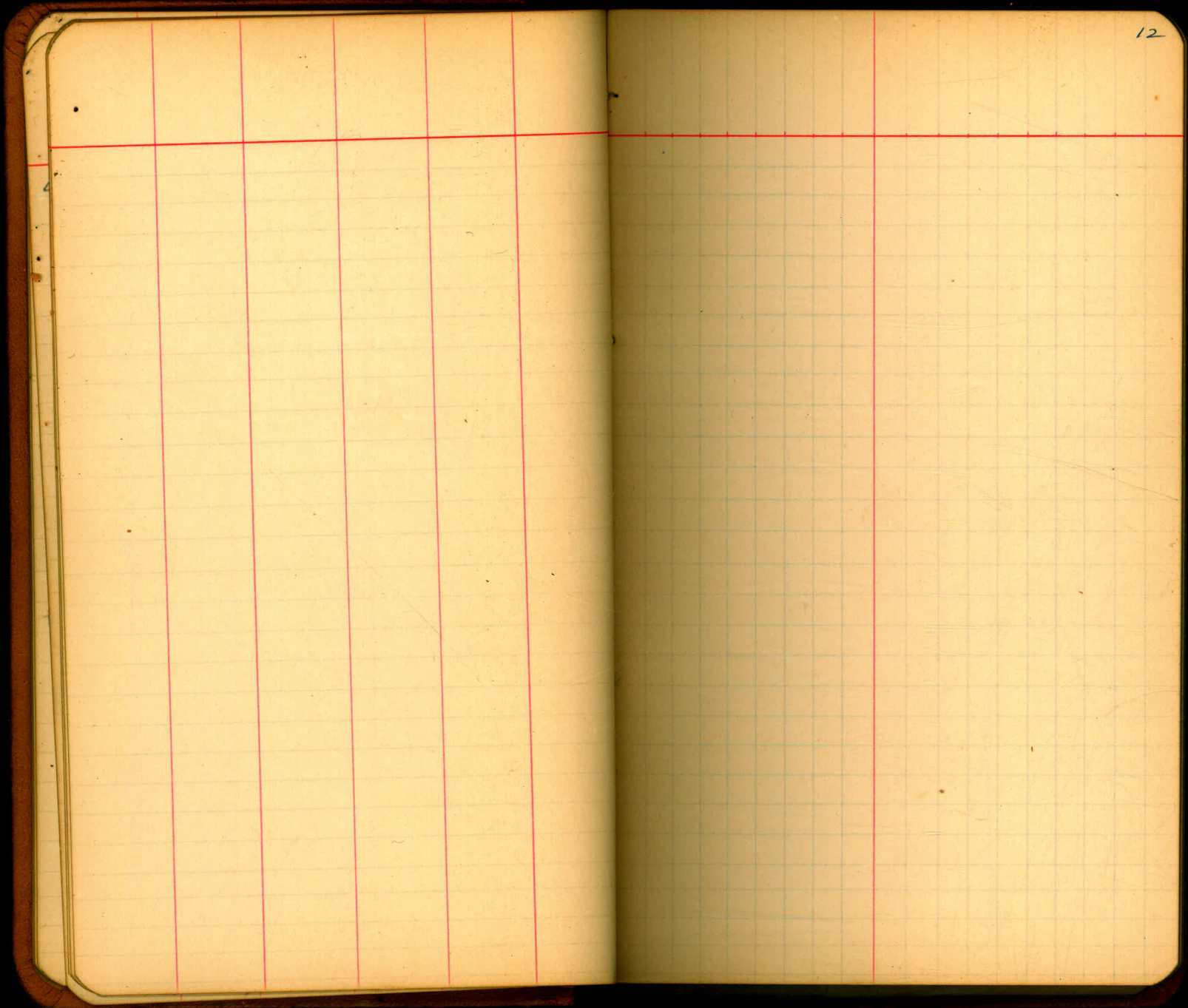


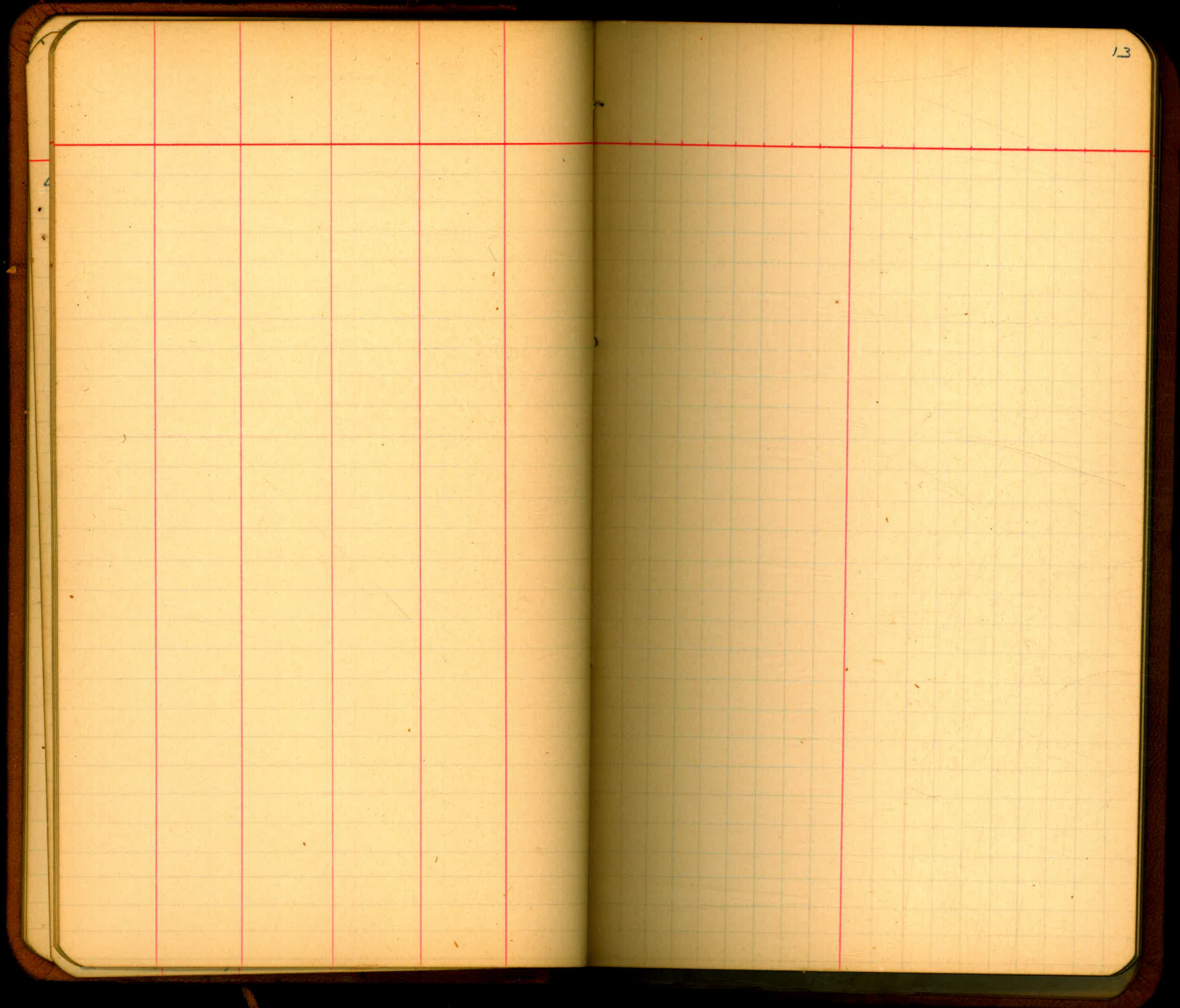
PLOT OF TRAVERSE OF 40" PIPE VELOCITIES.

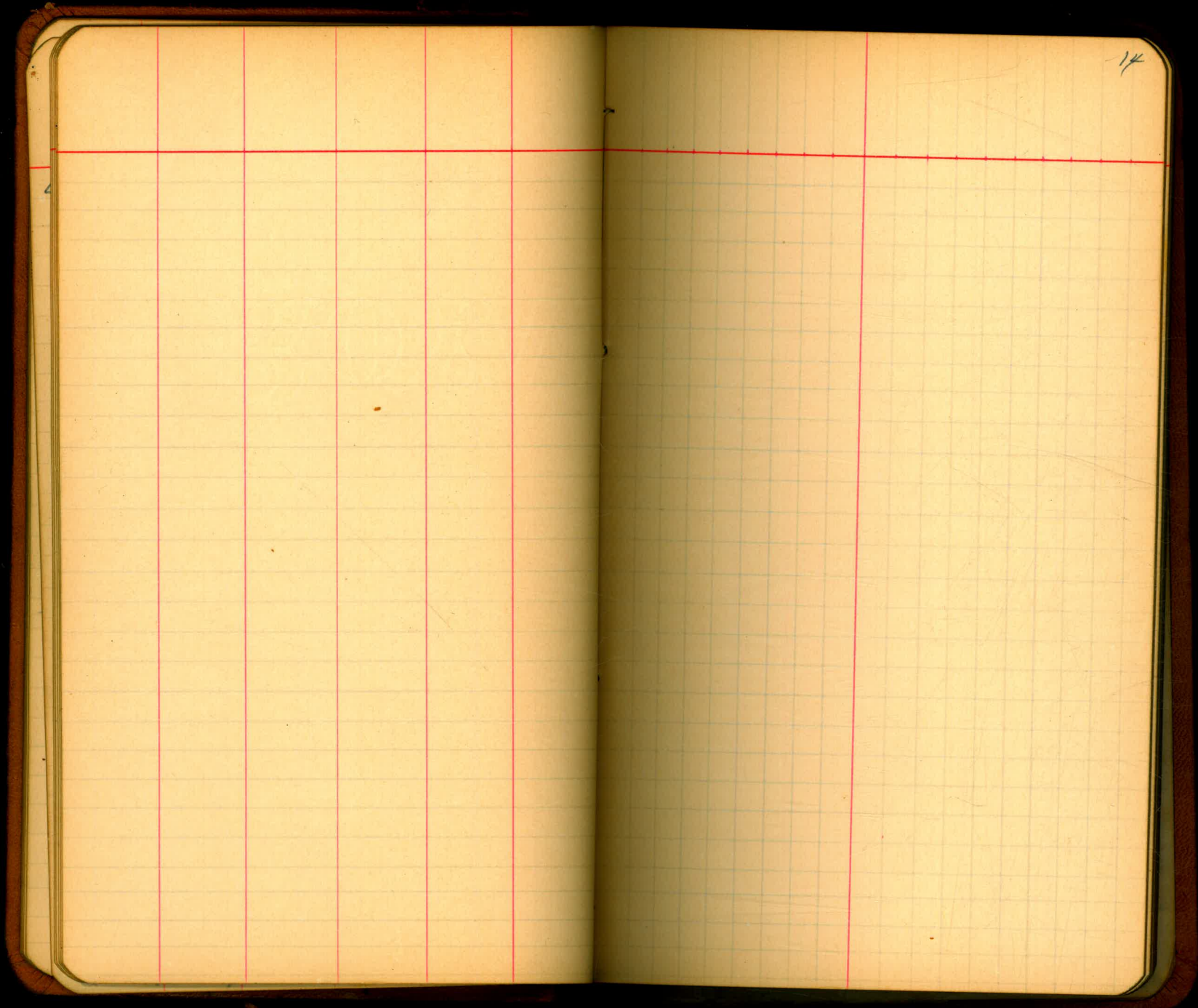




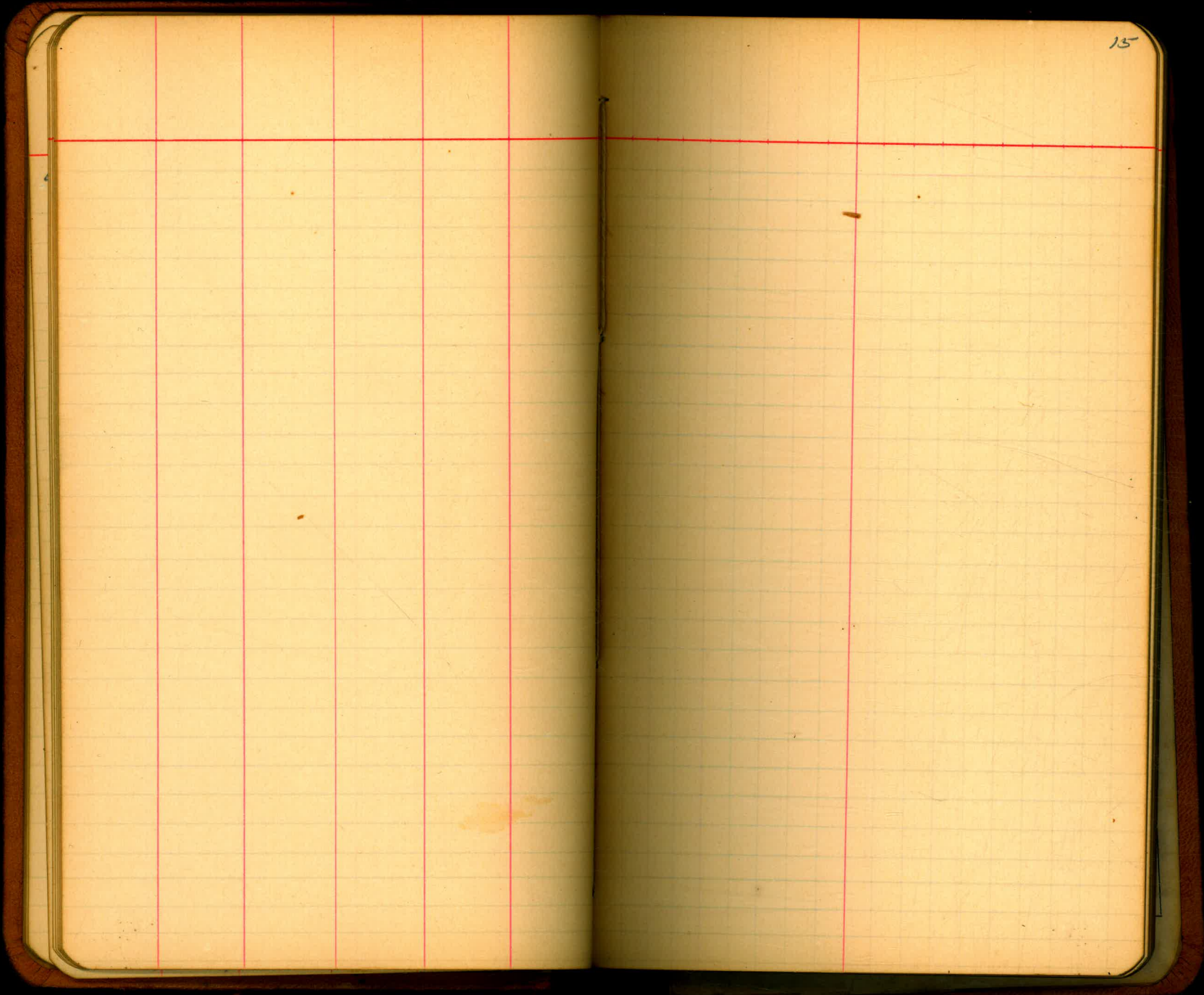


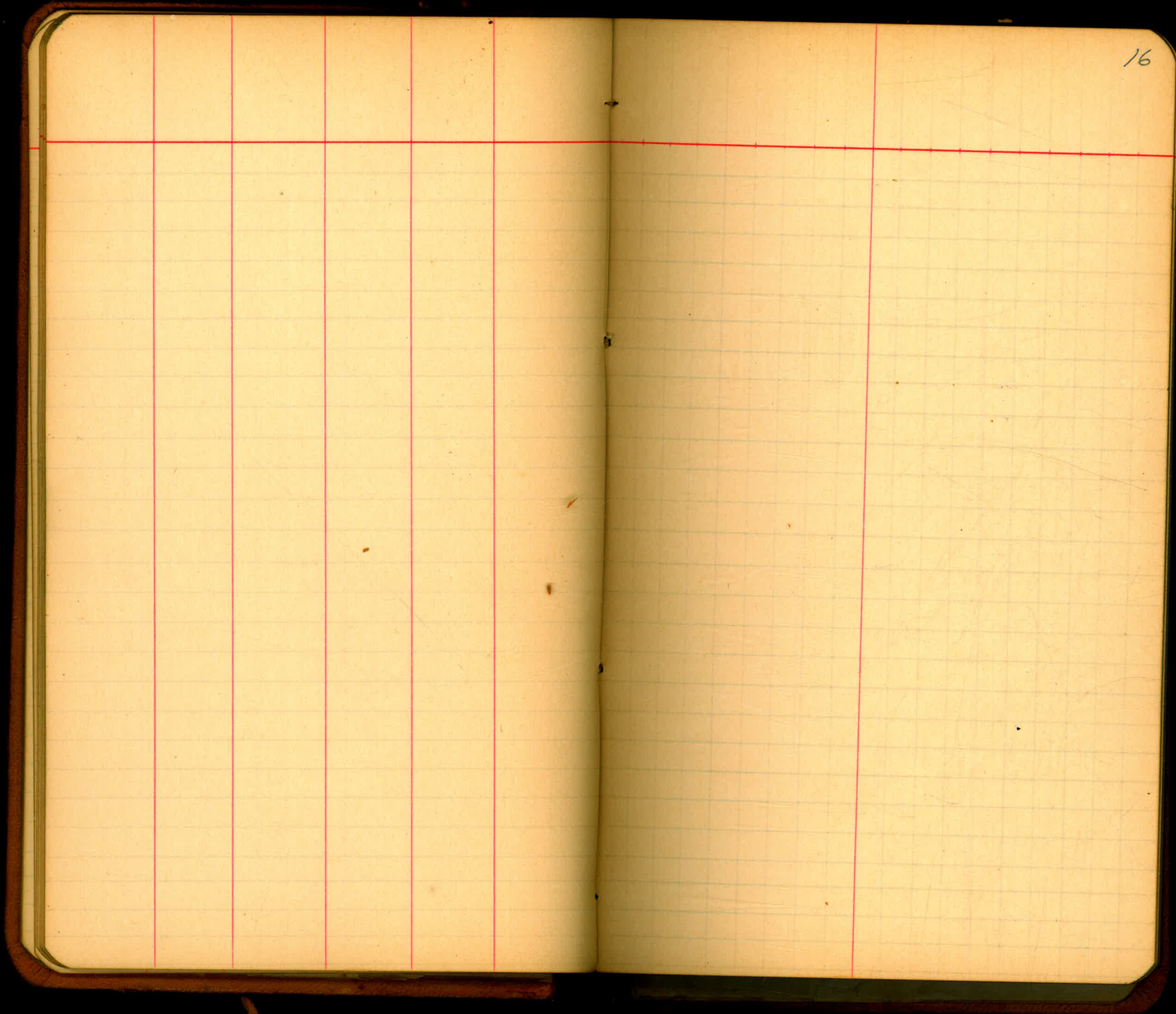


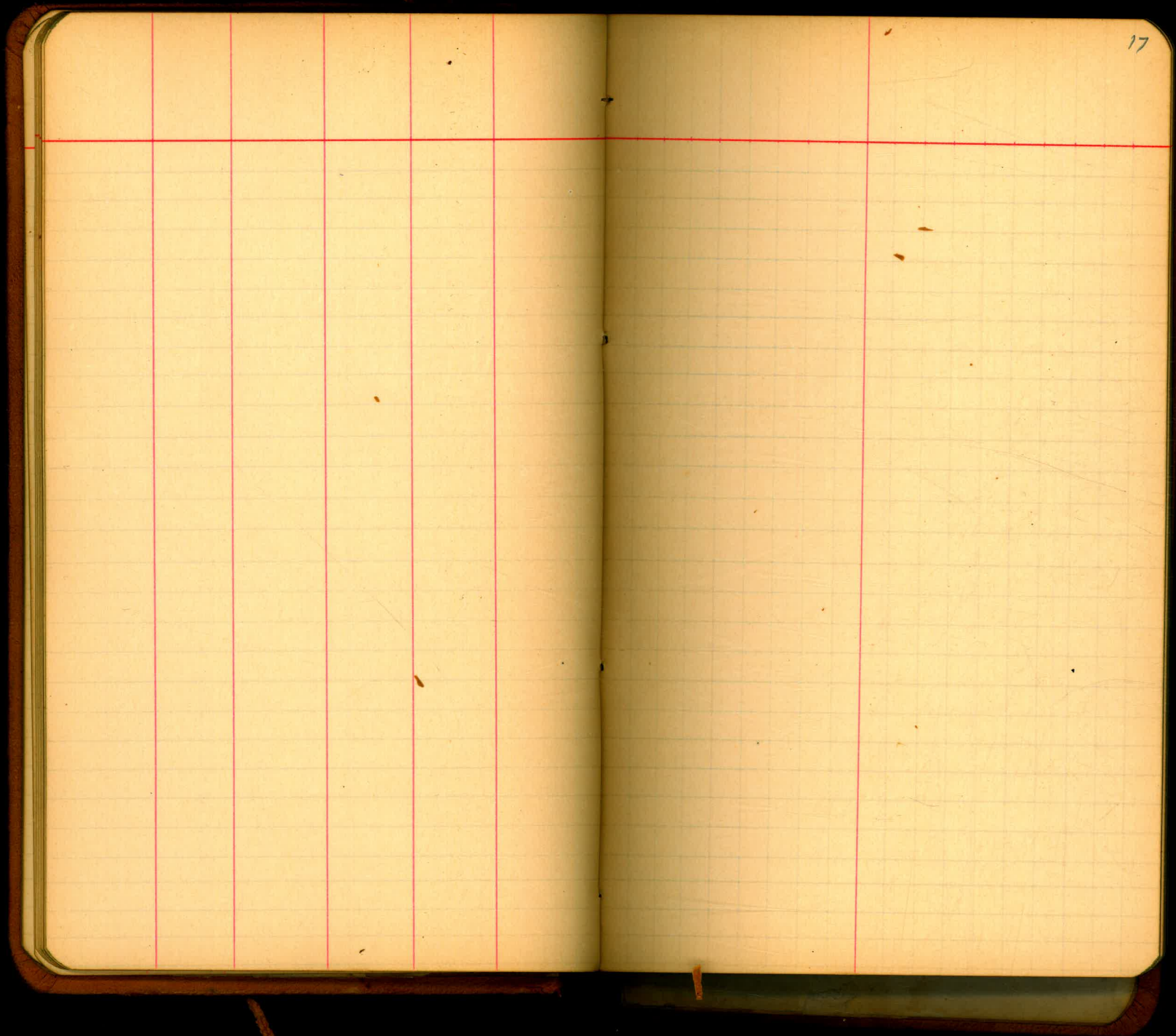


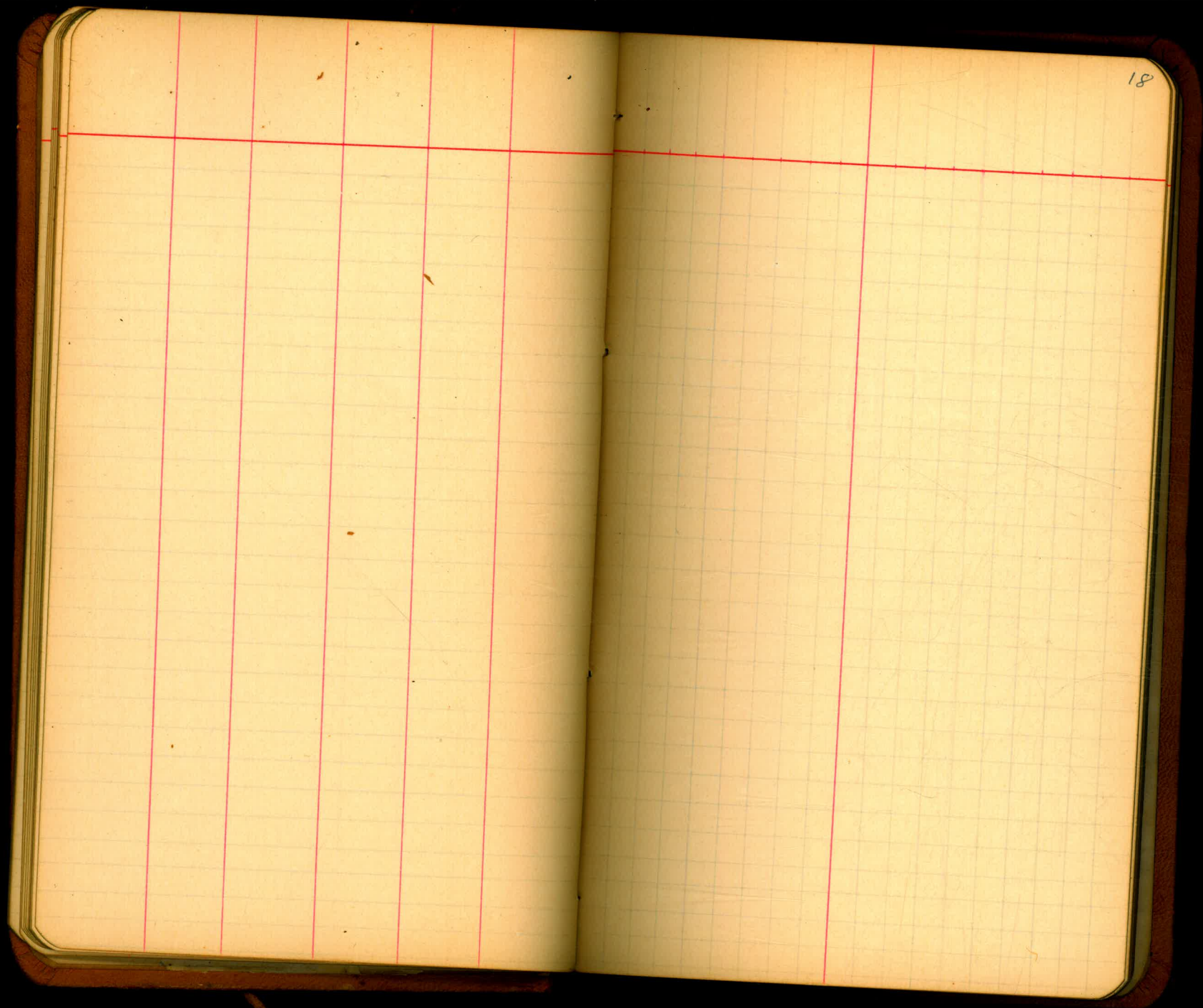


14

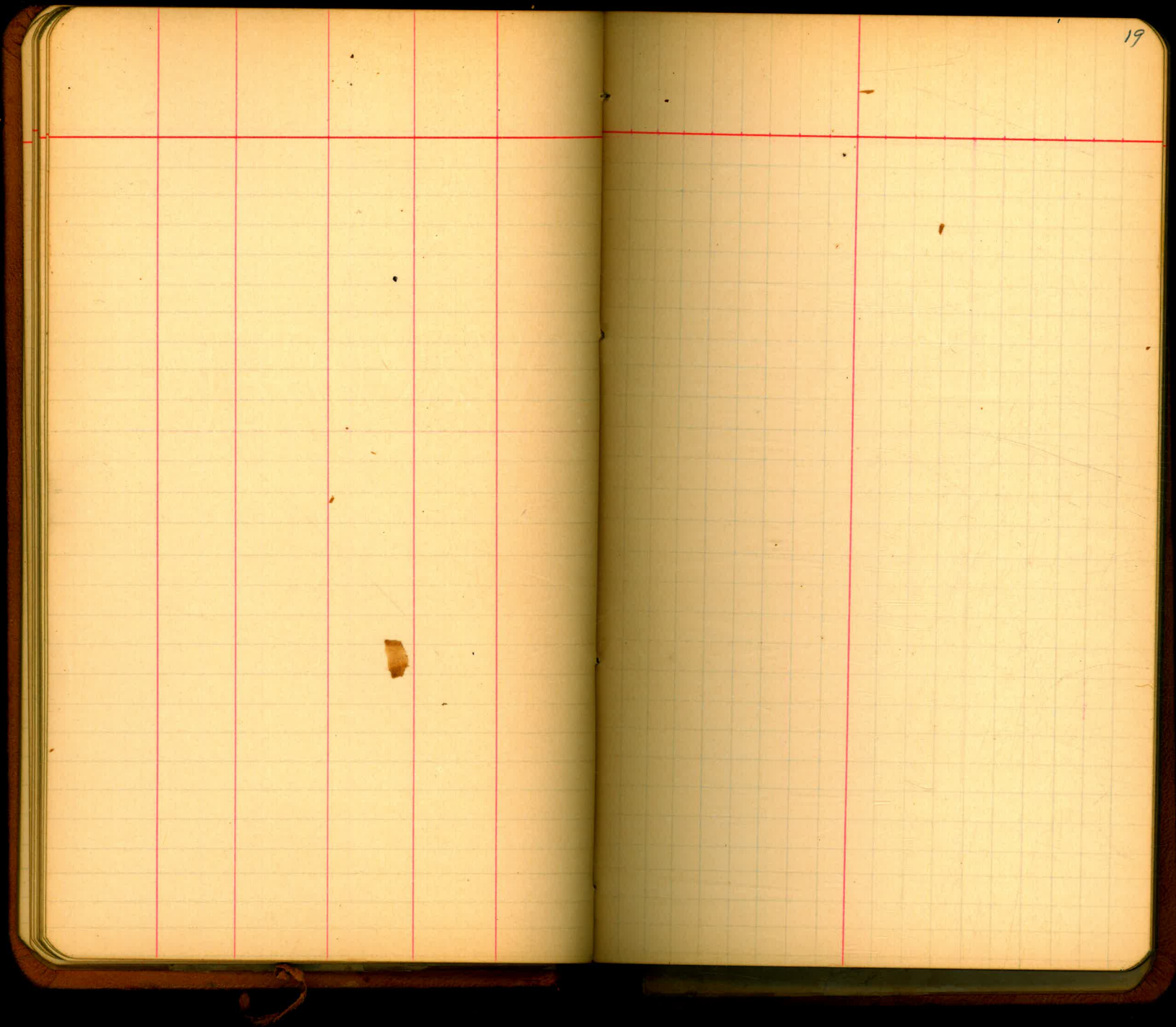


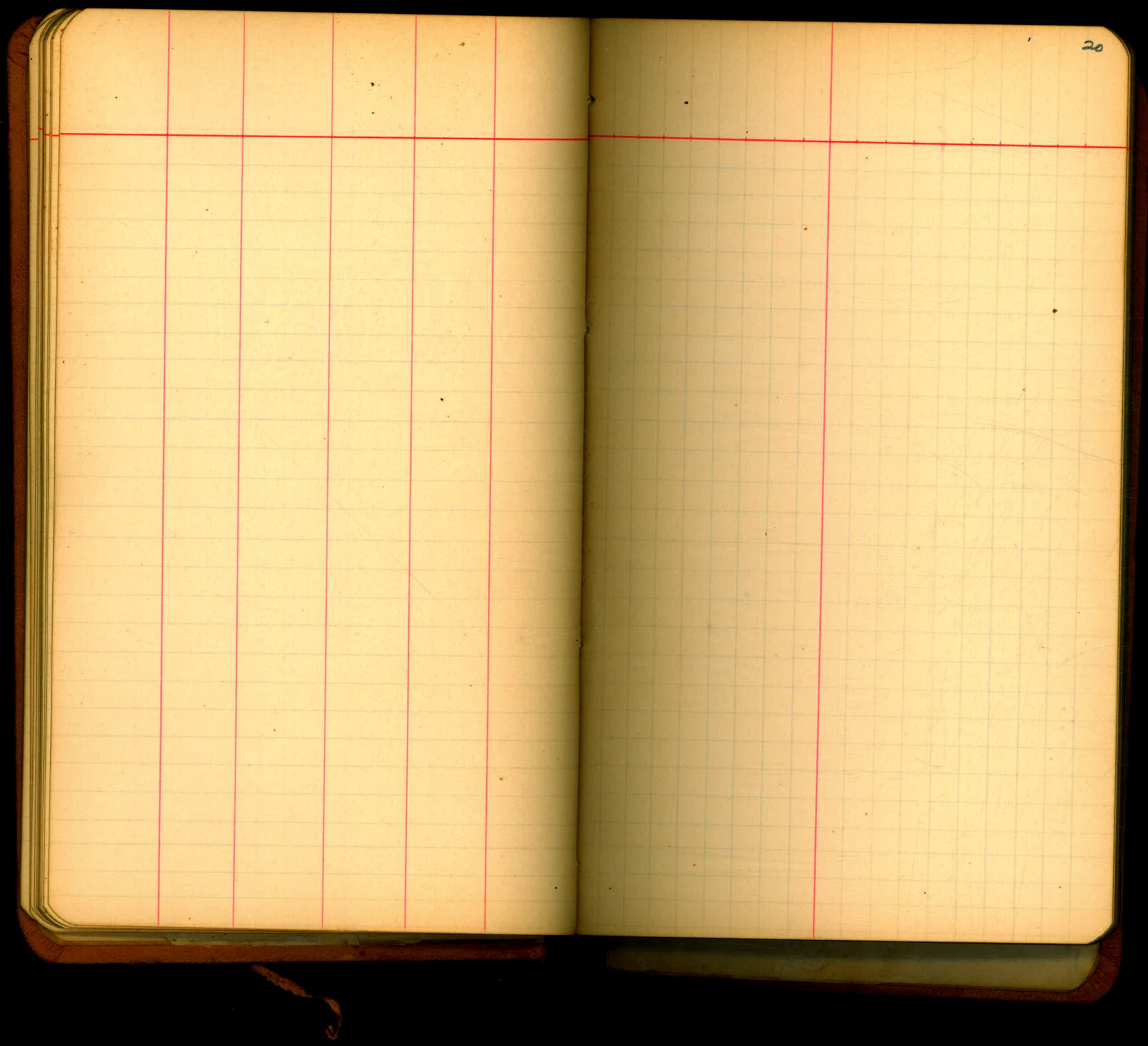


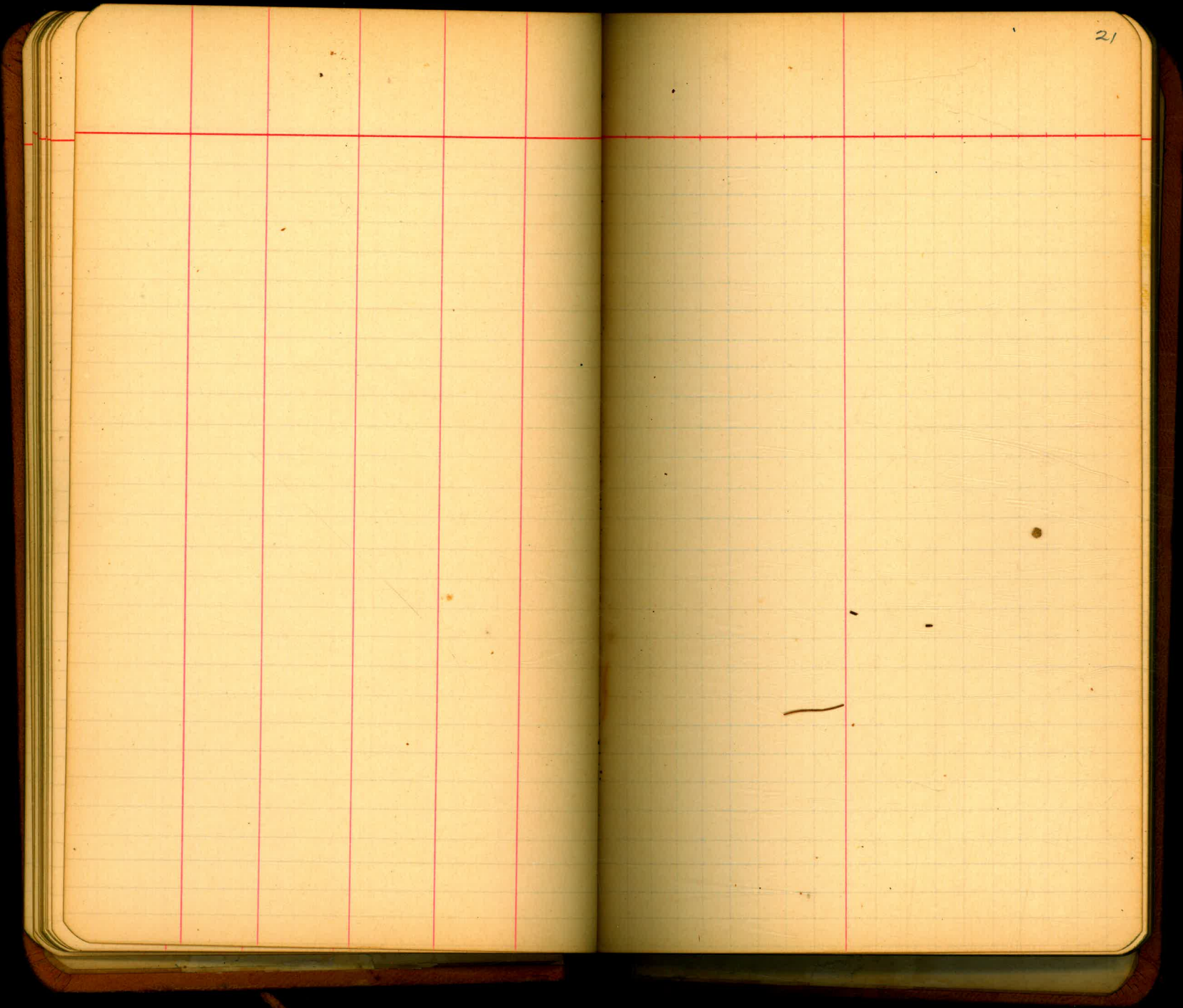


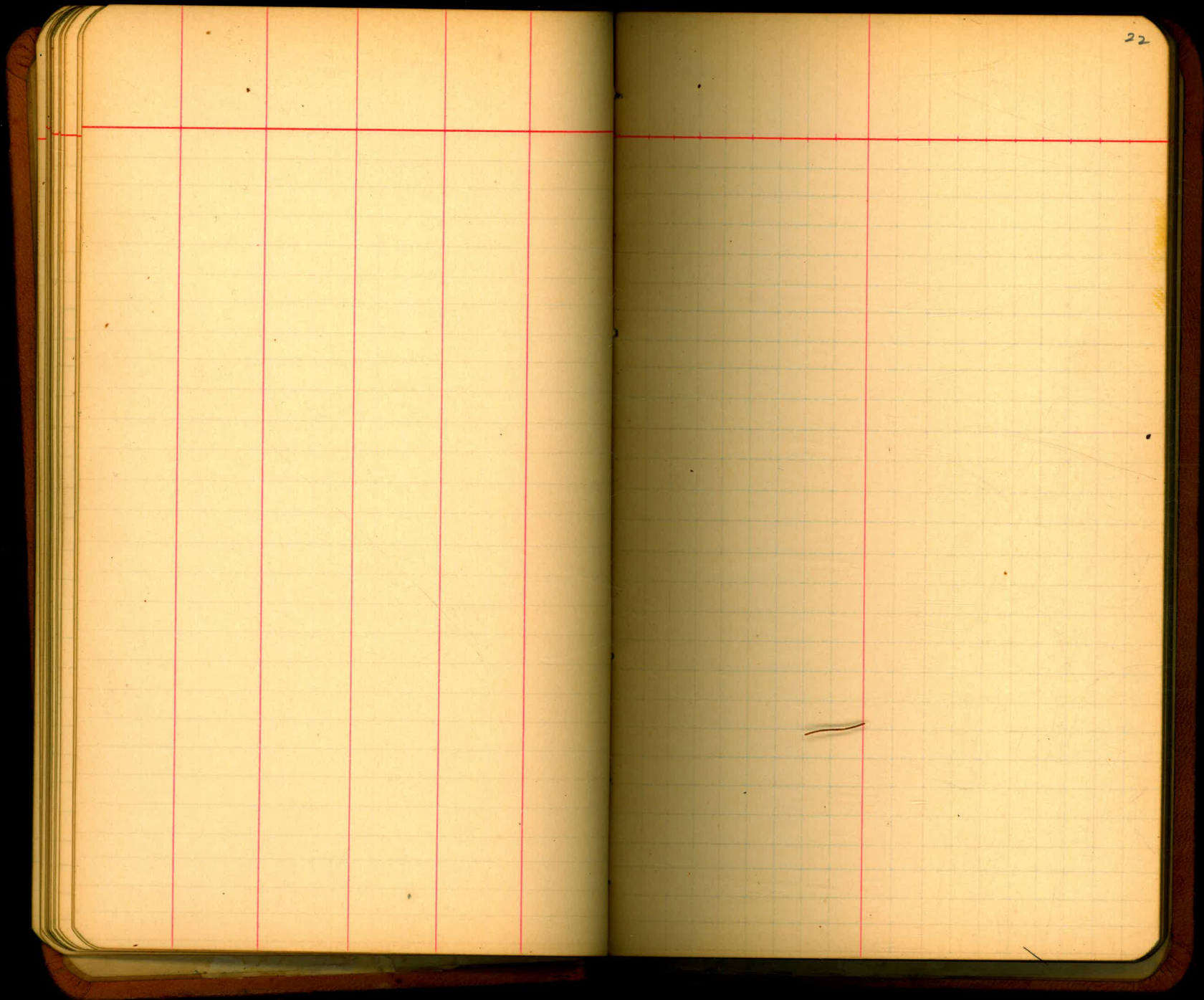


81

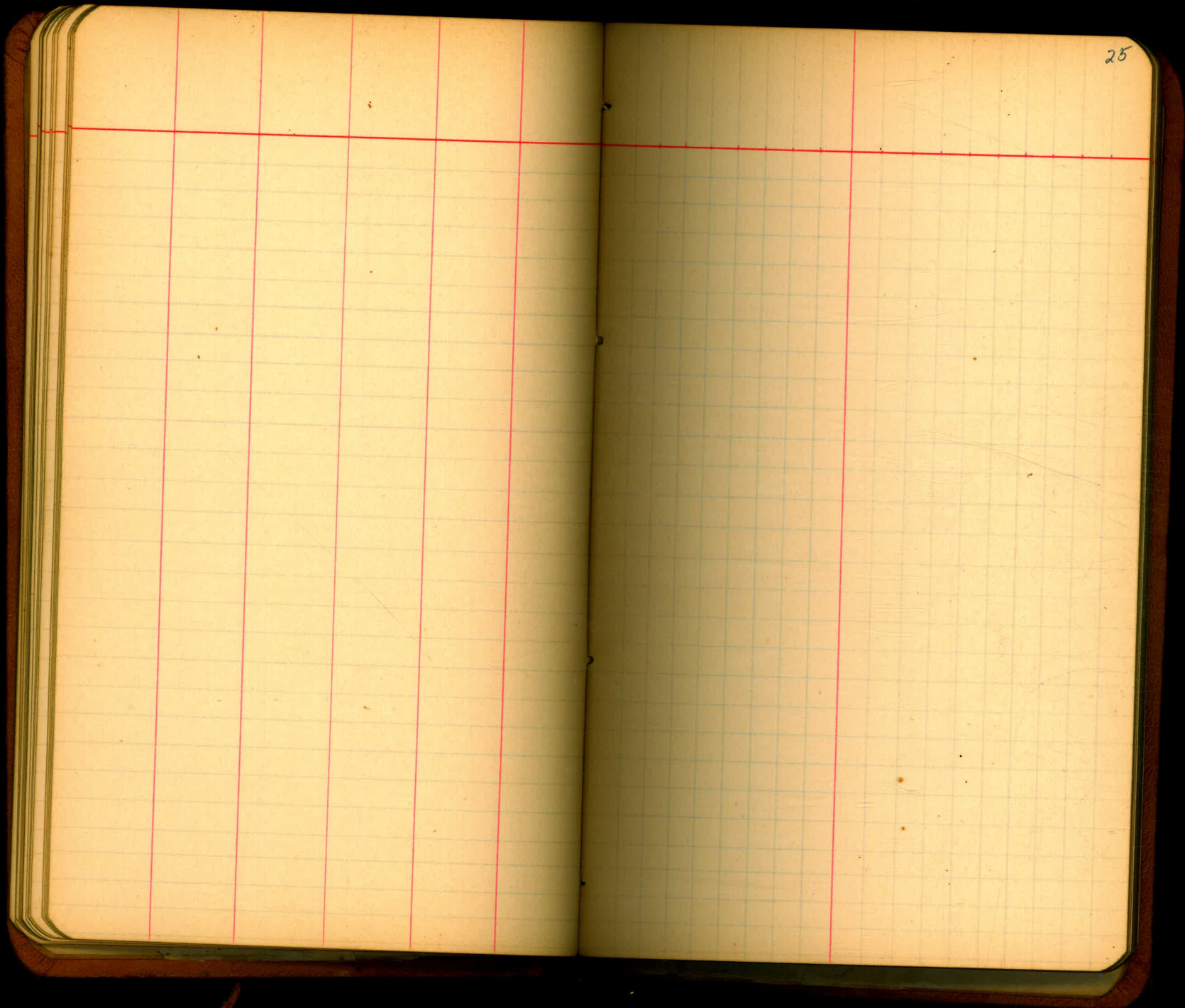


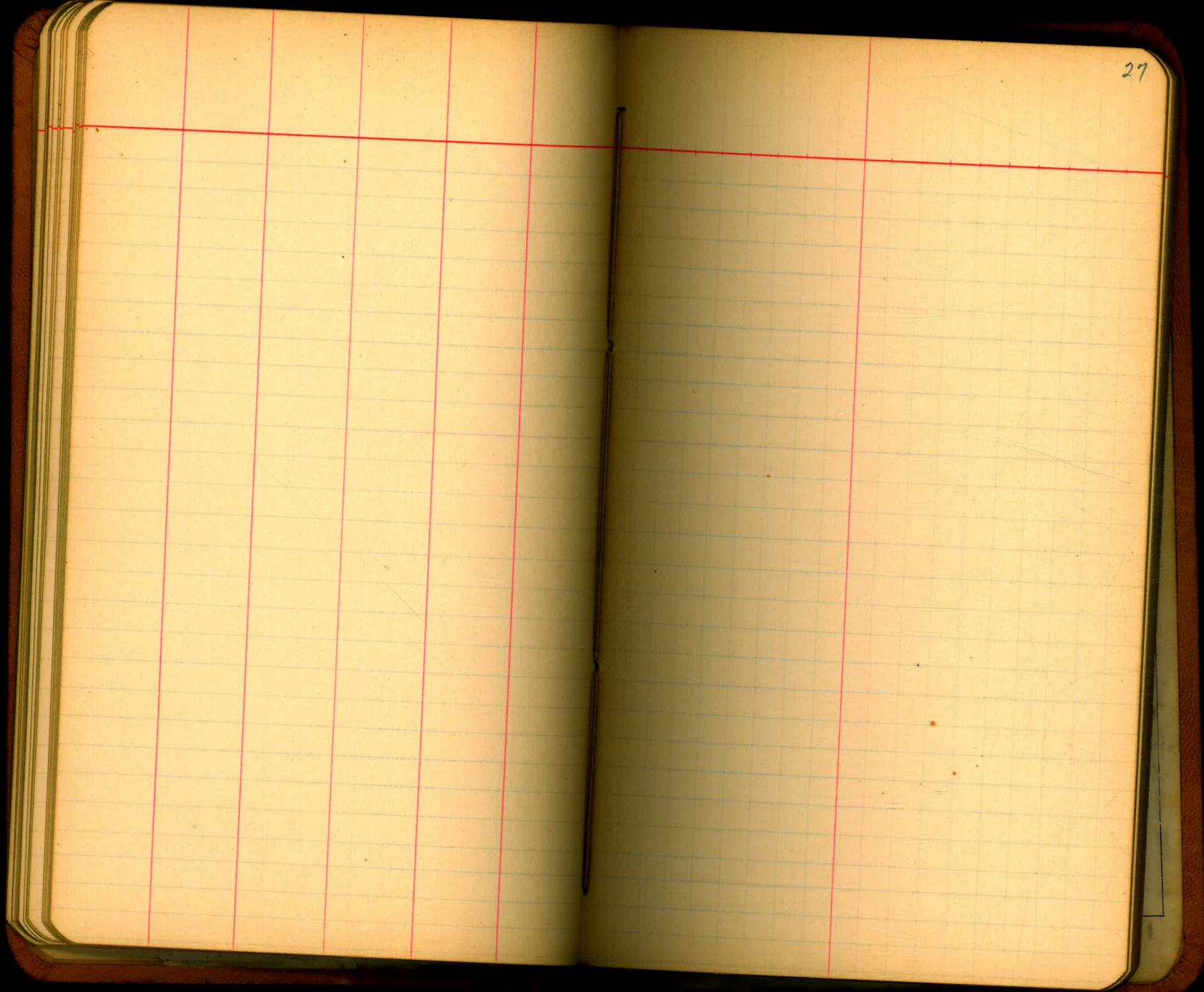


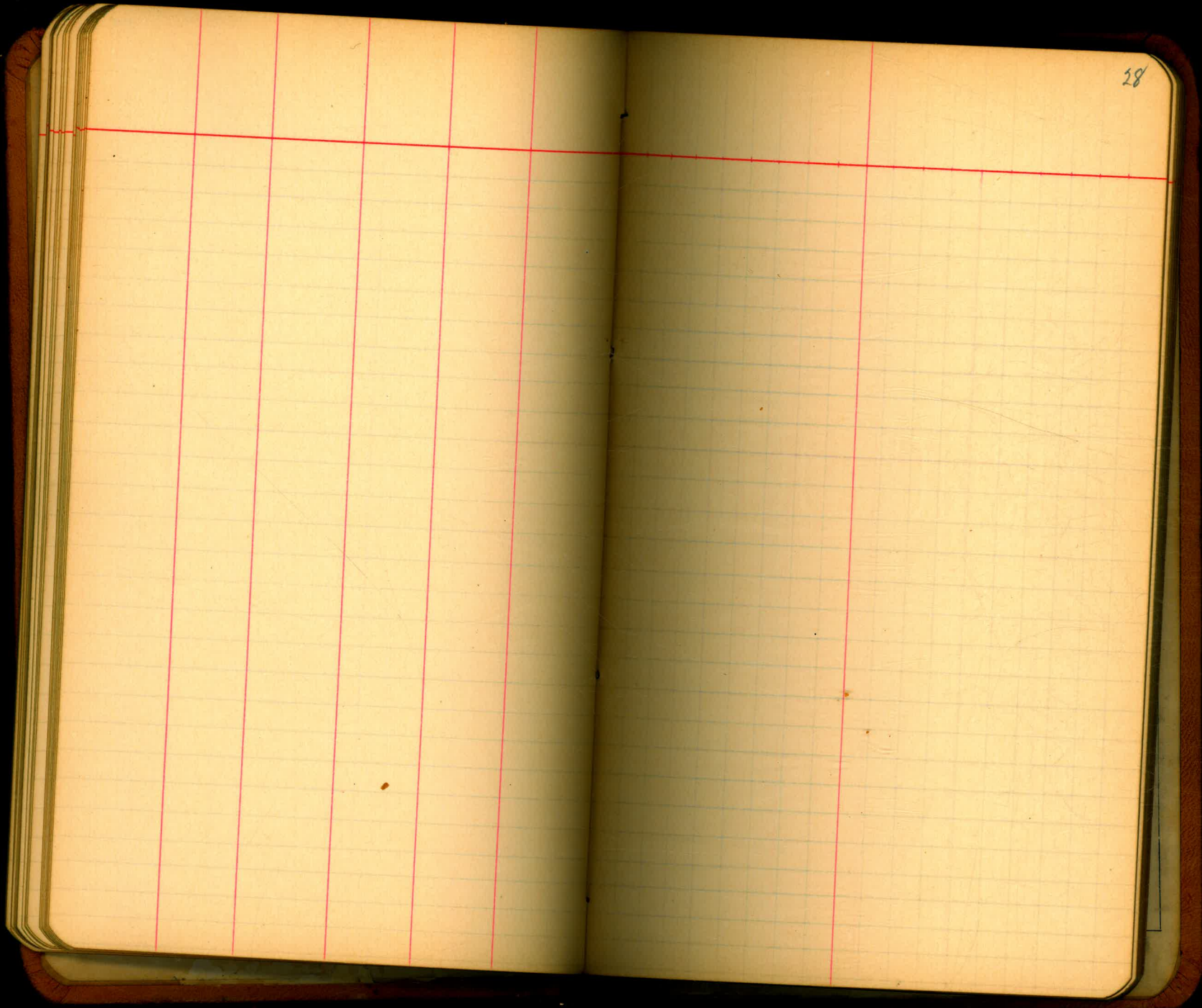


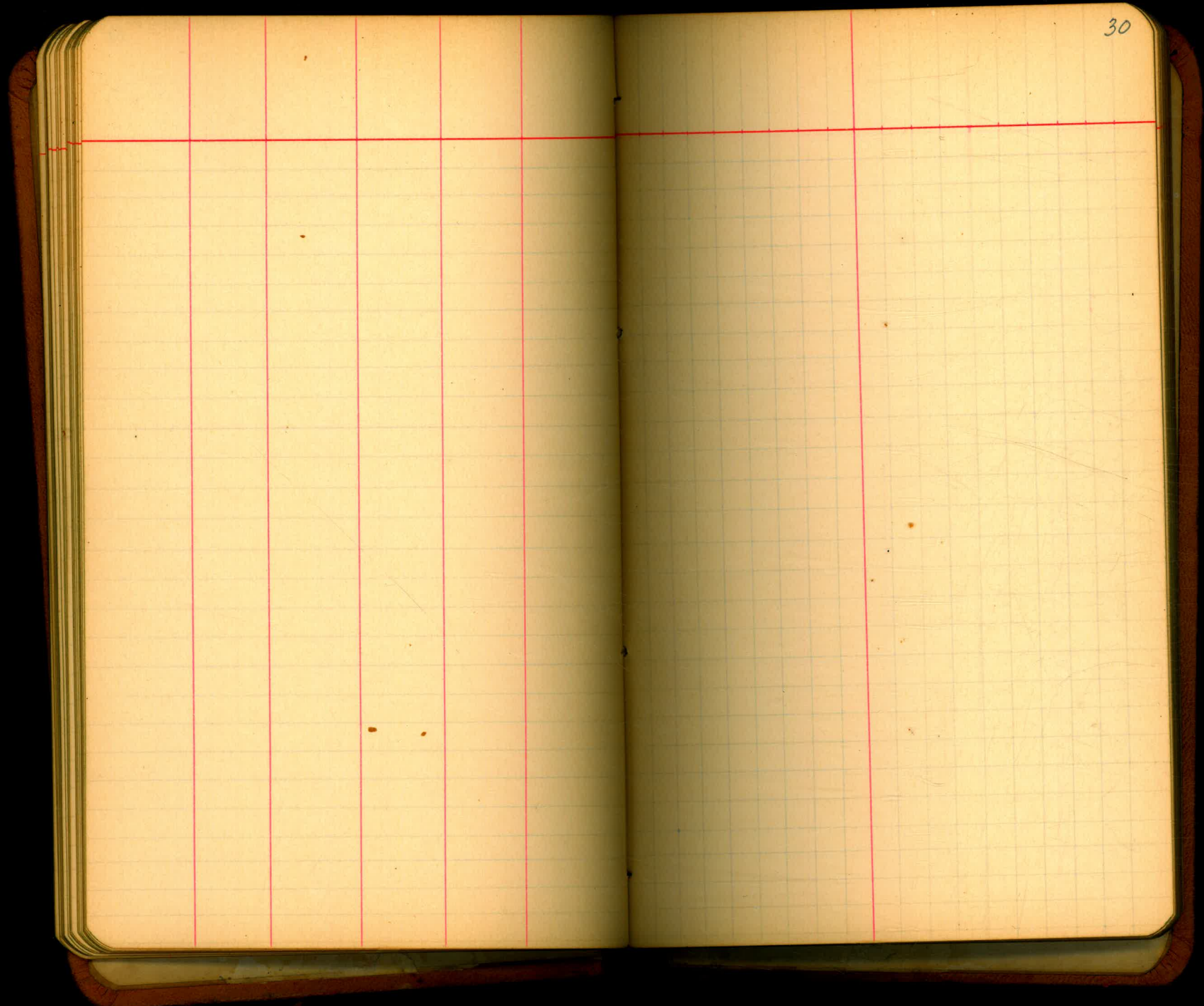


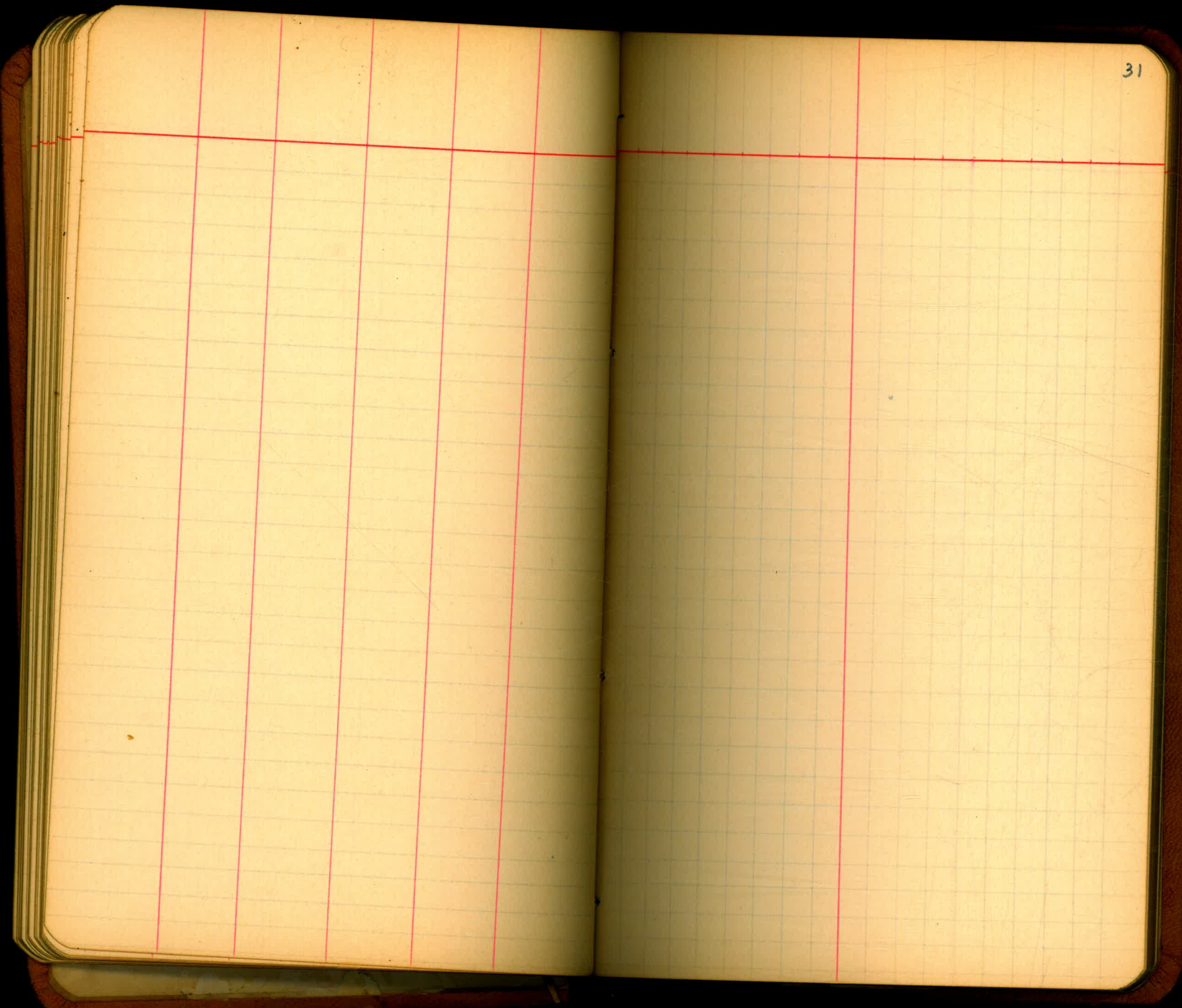
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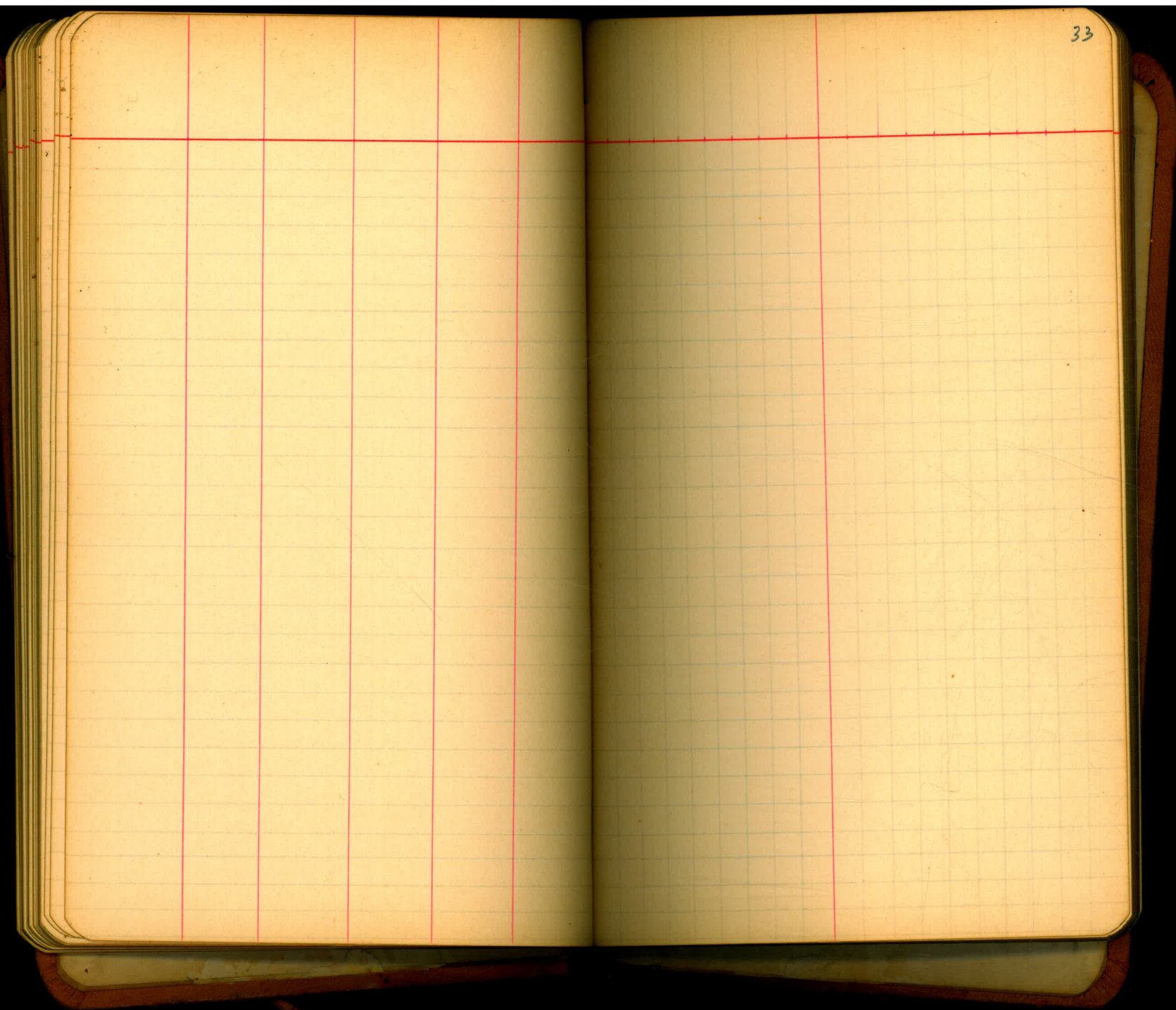


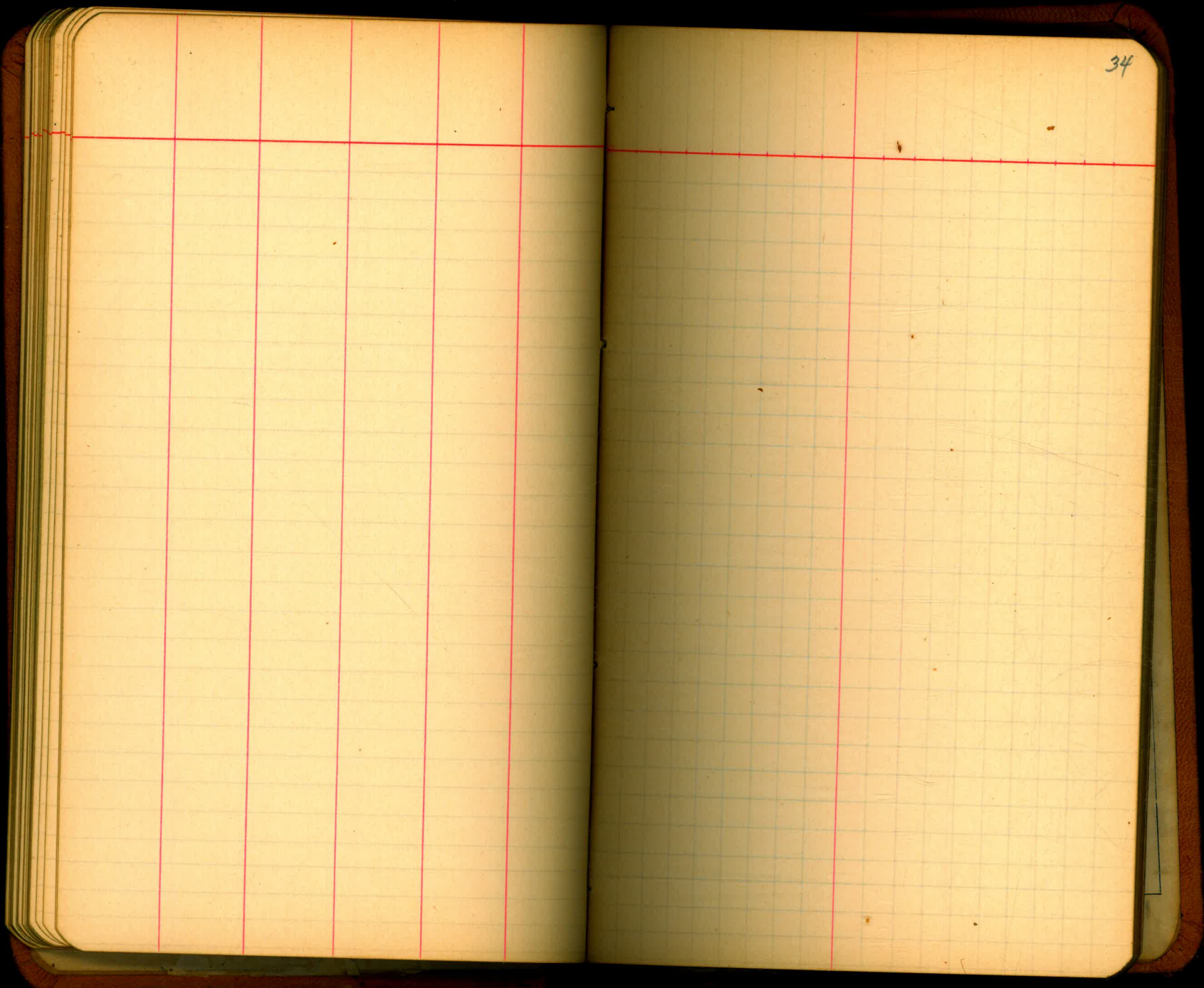


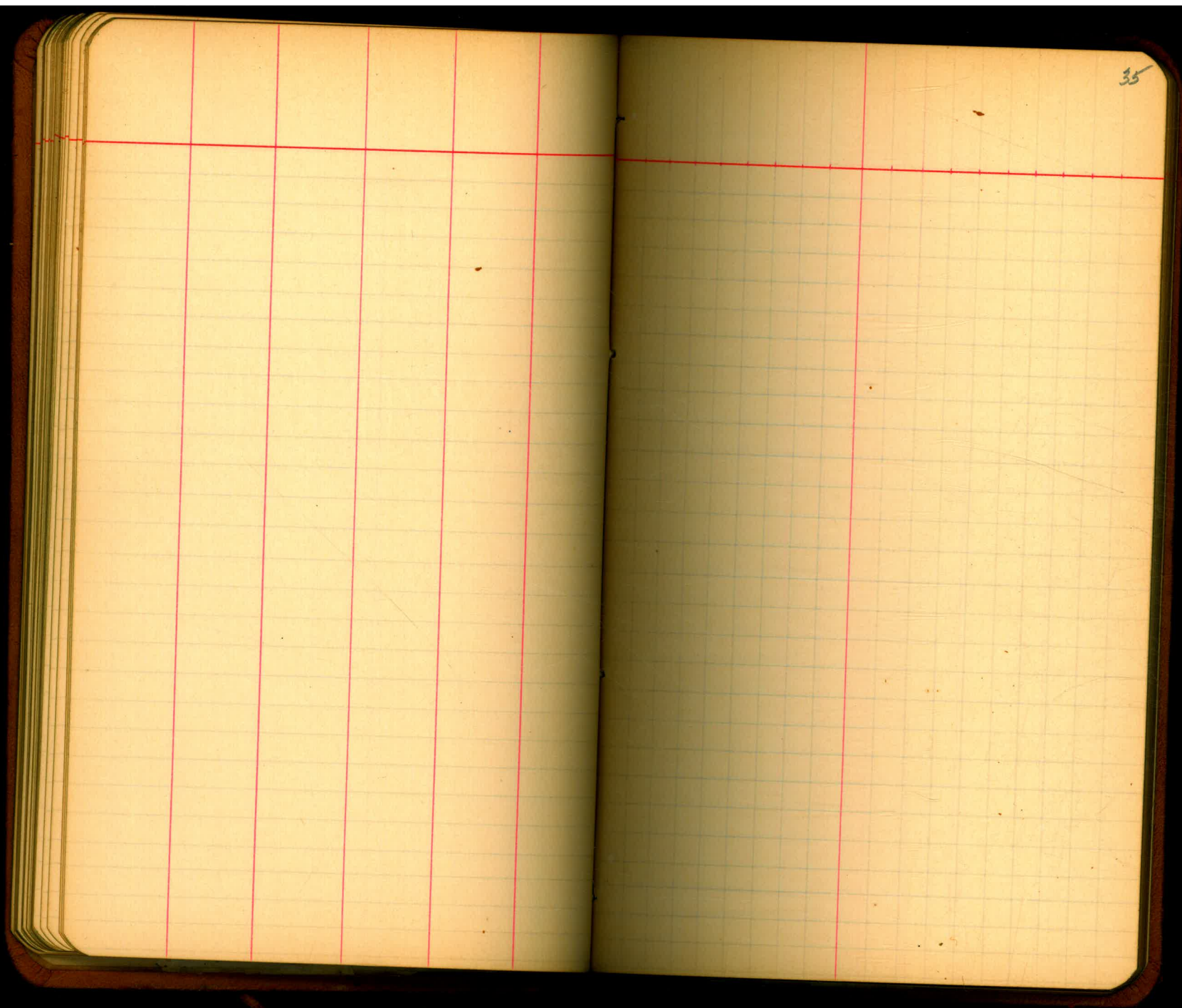


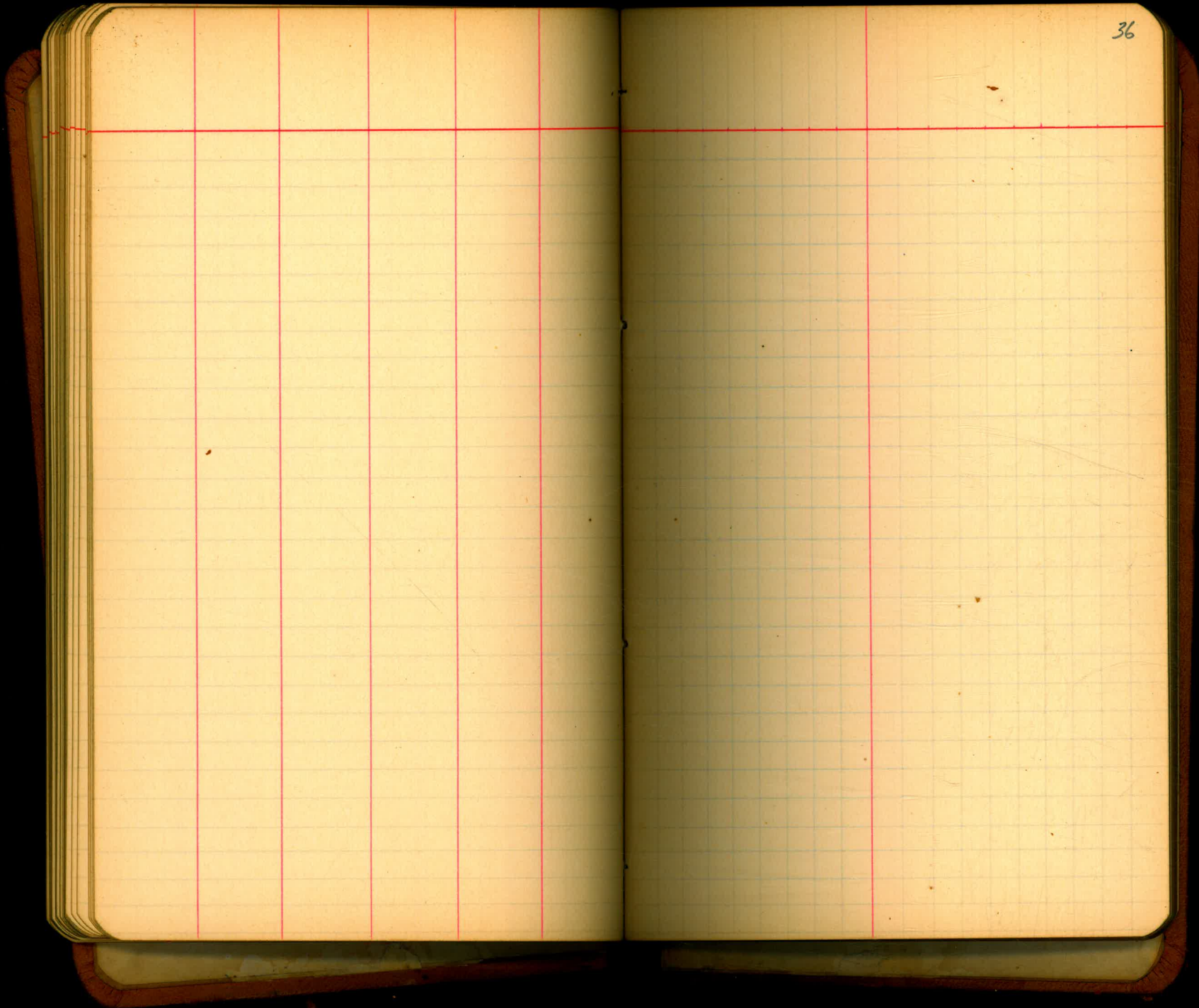


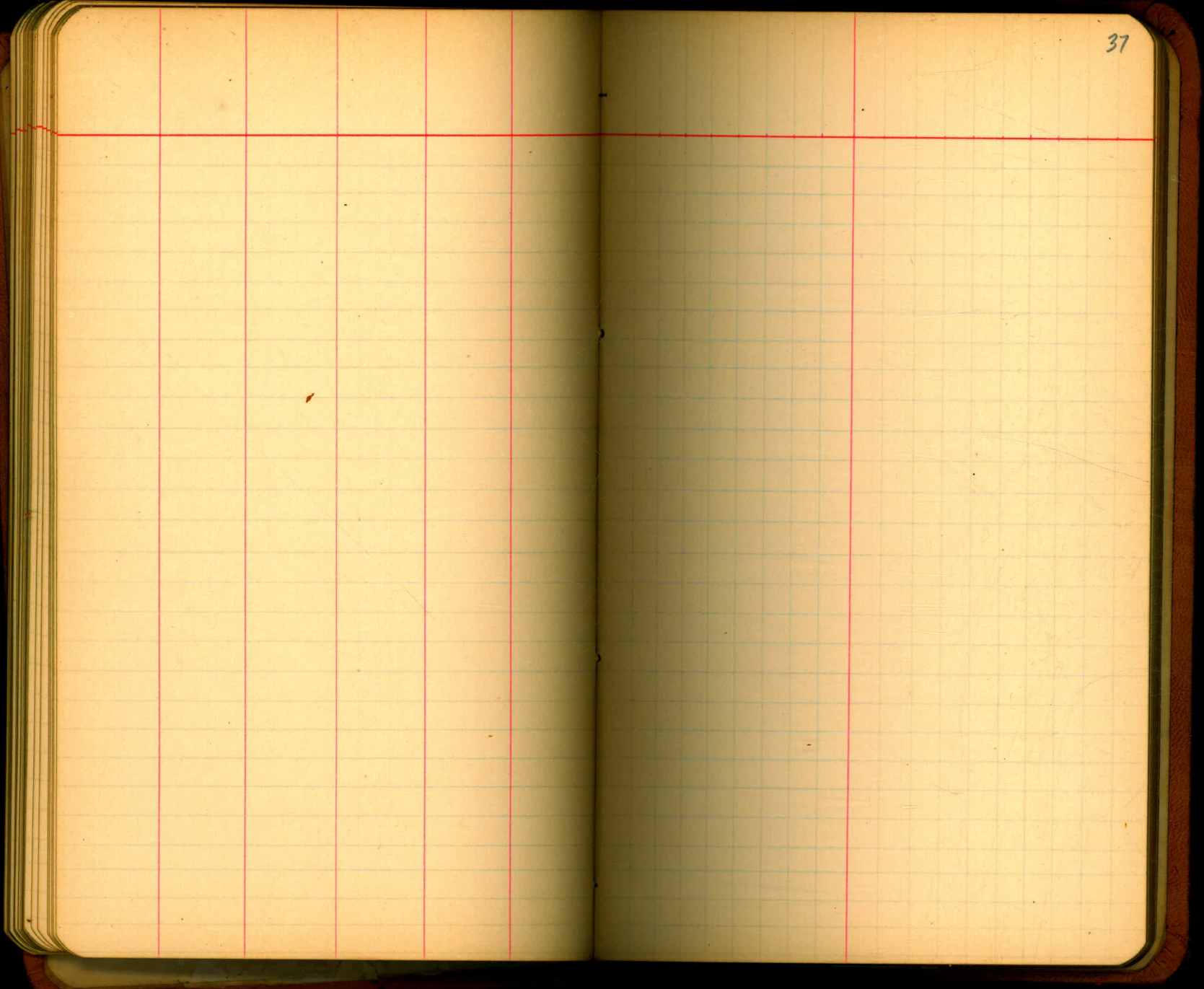


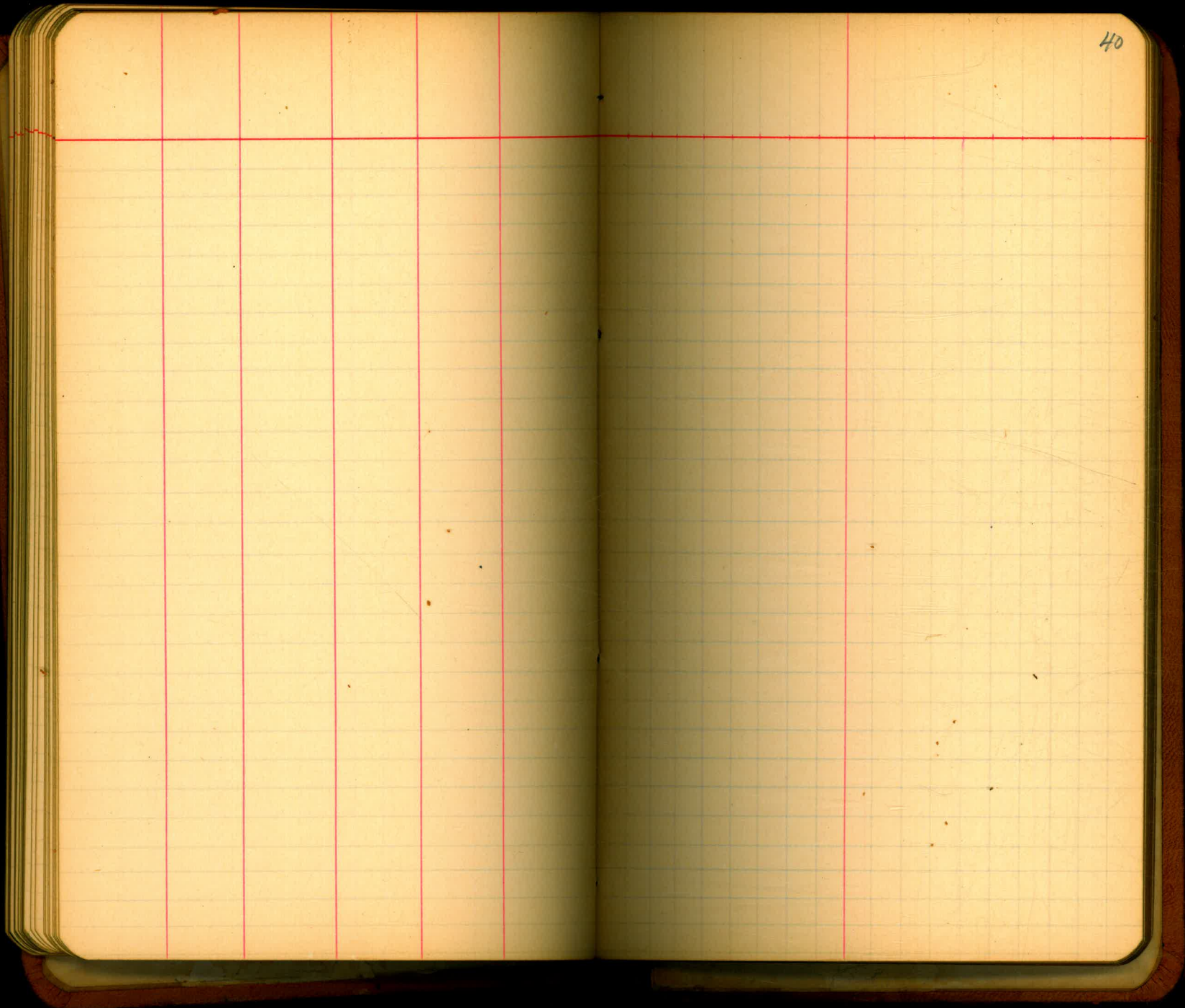


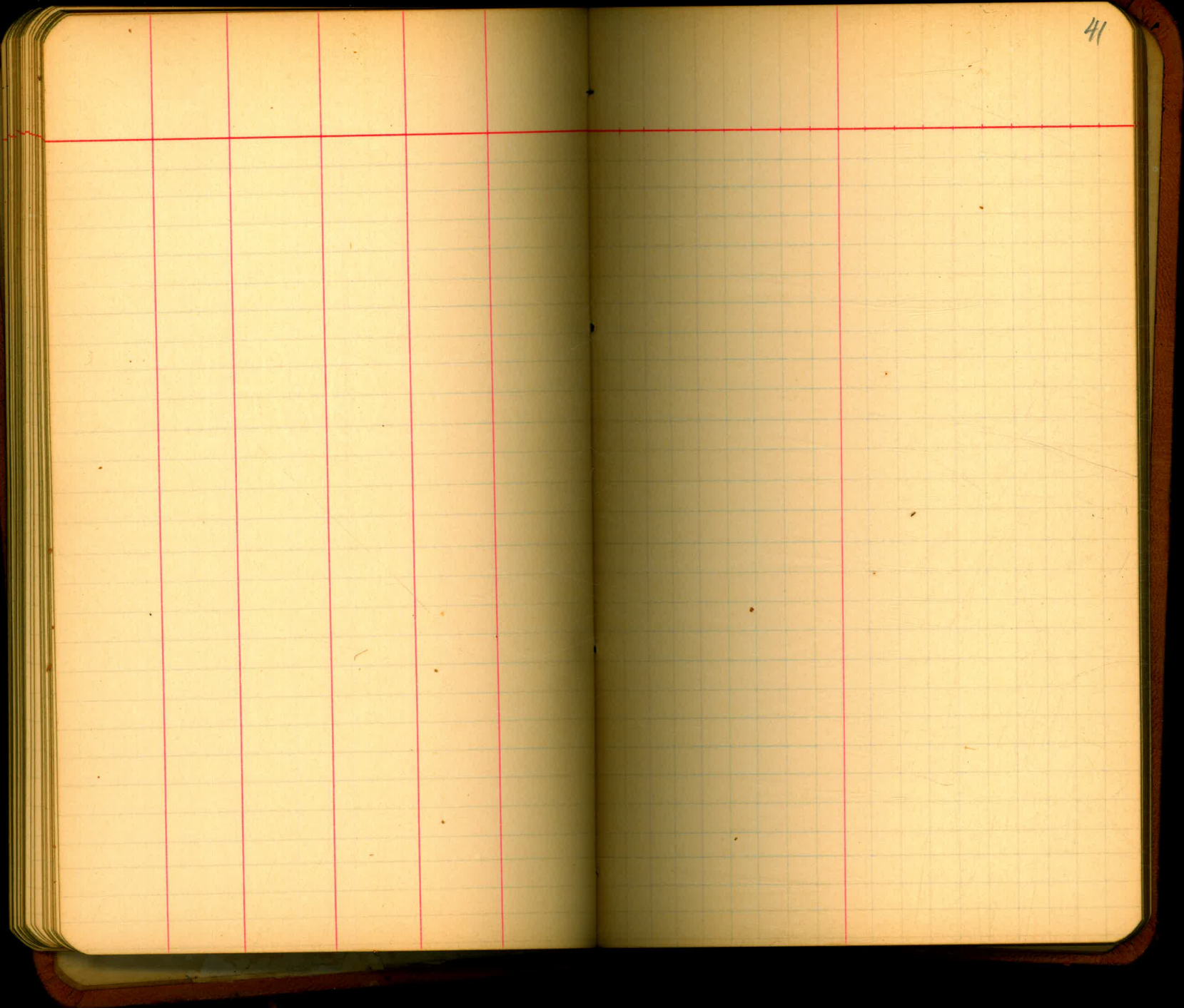


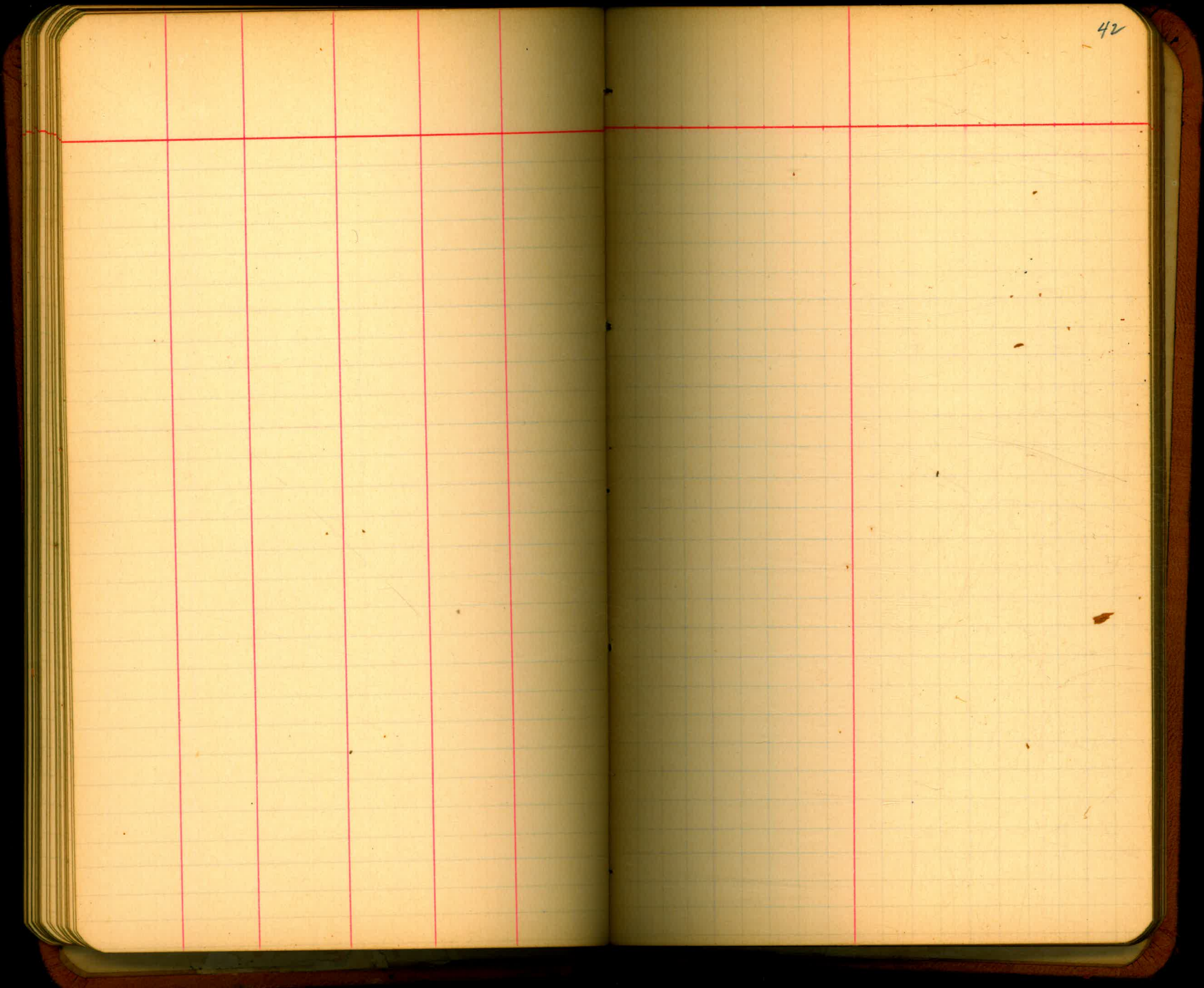


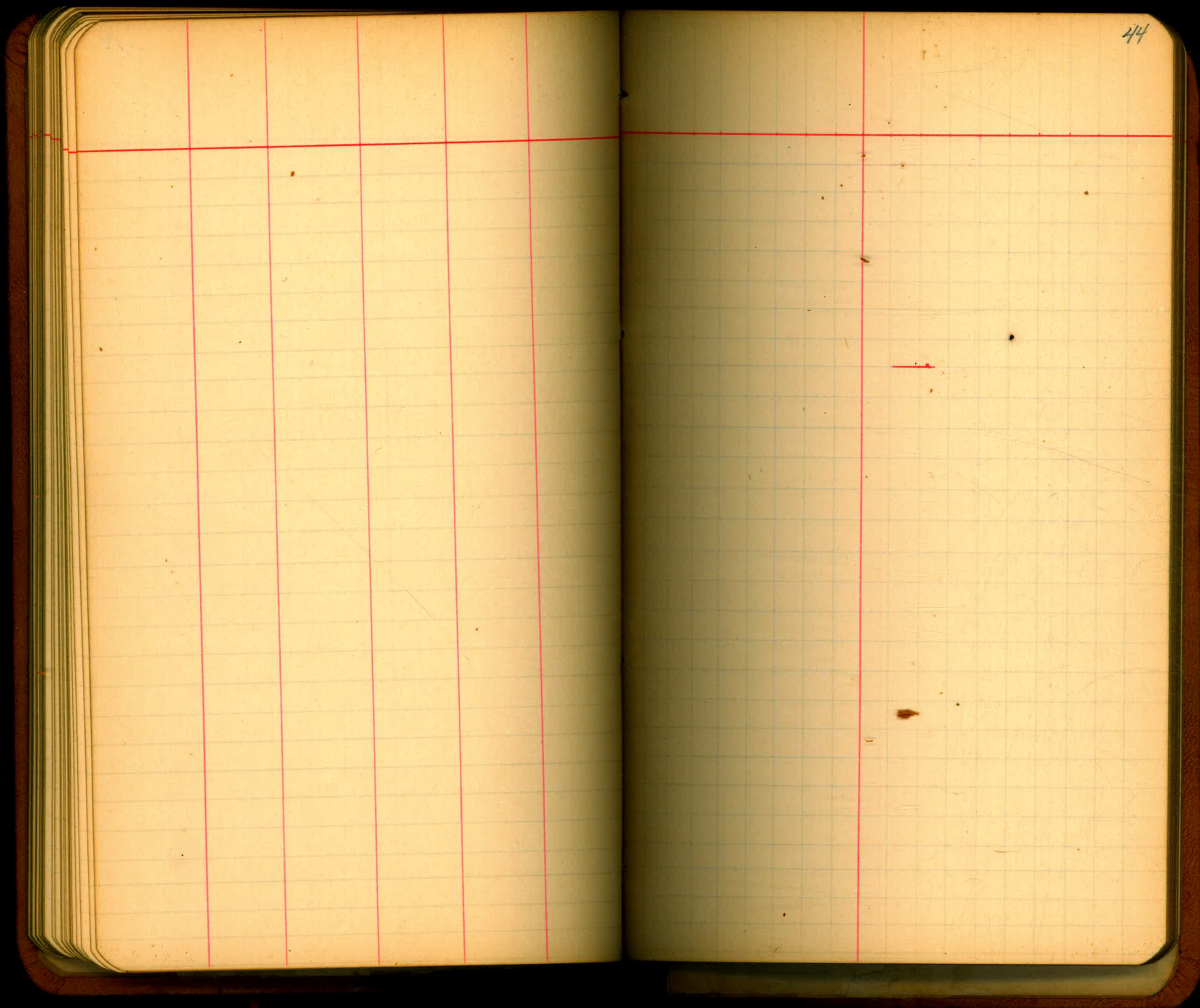




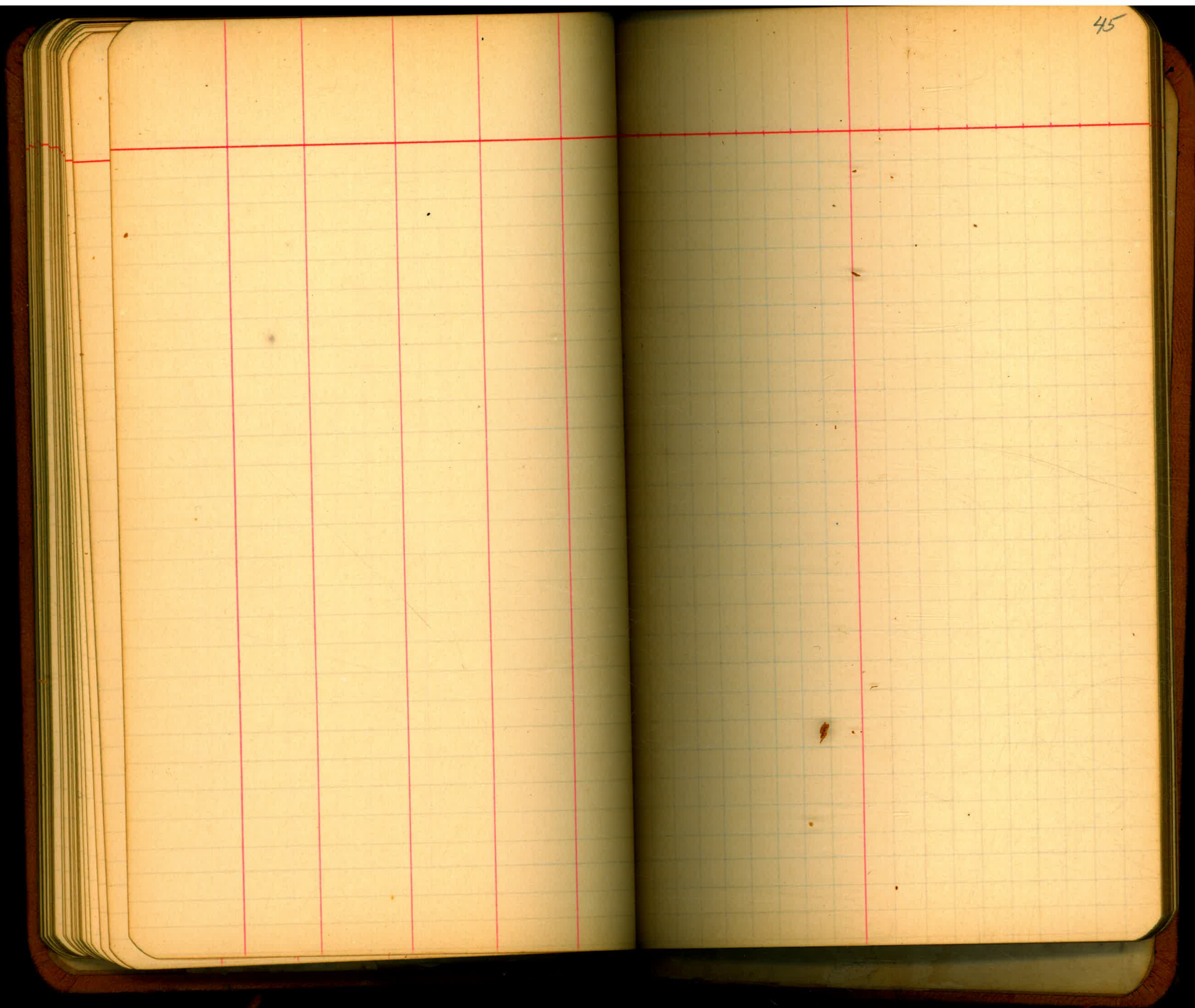


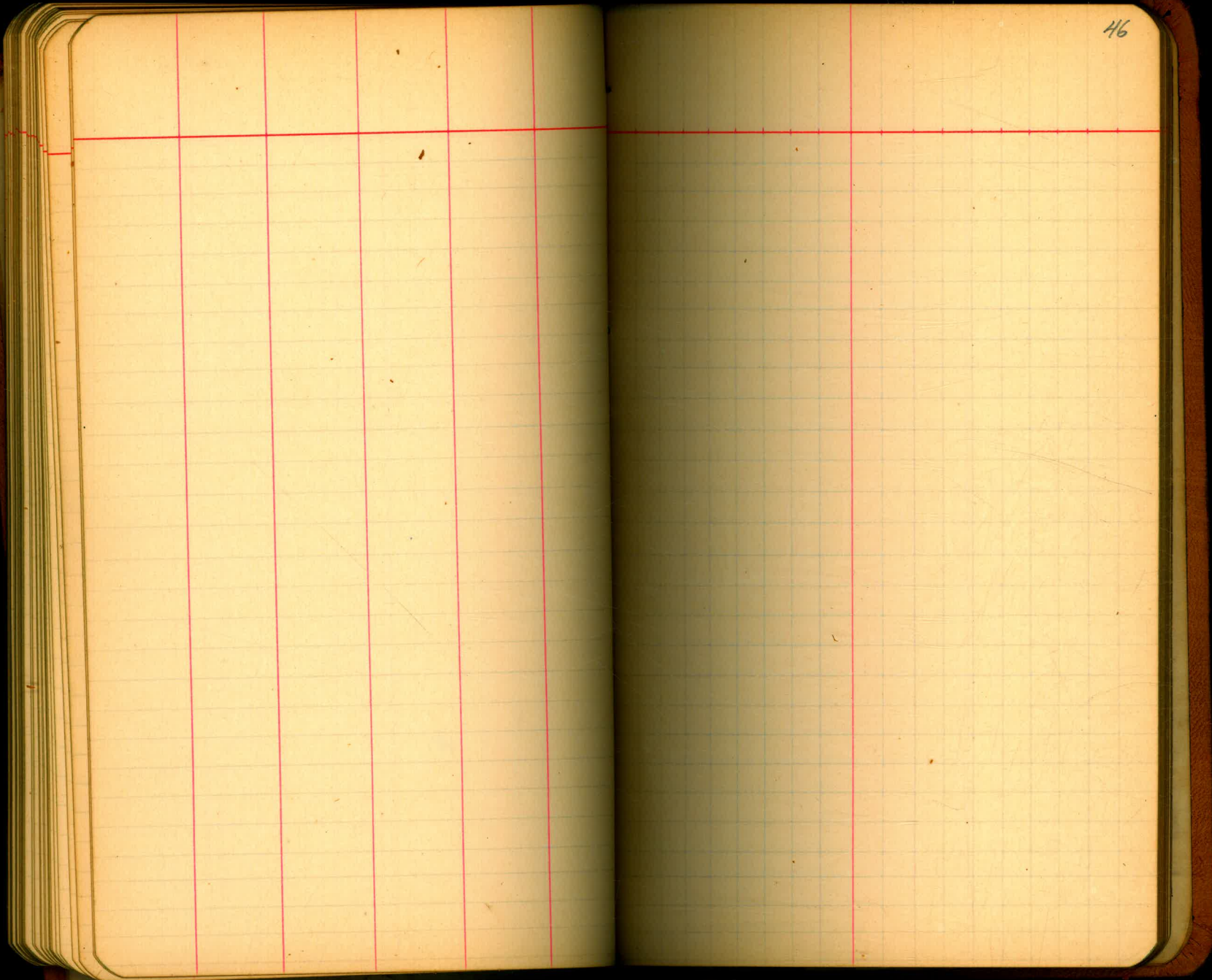


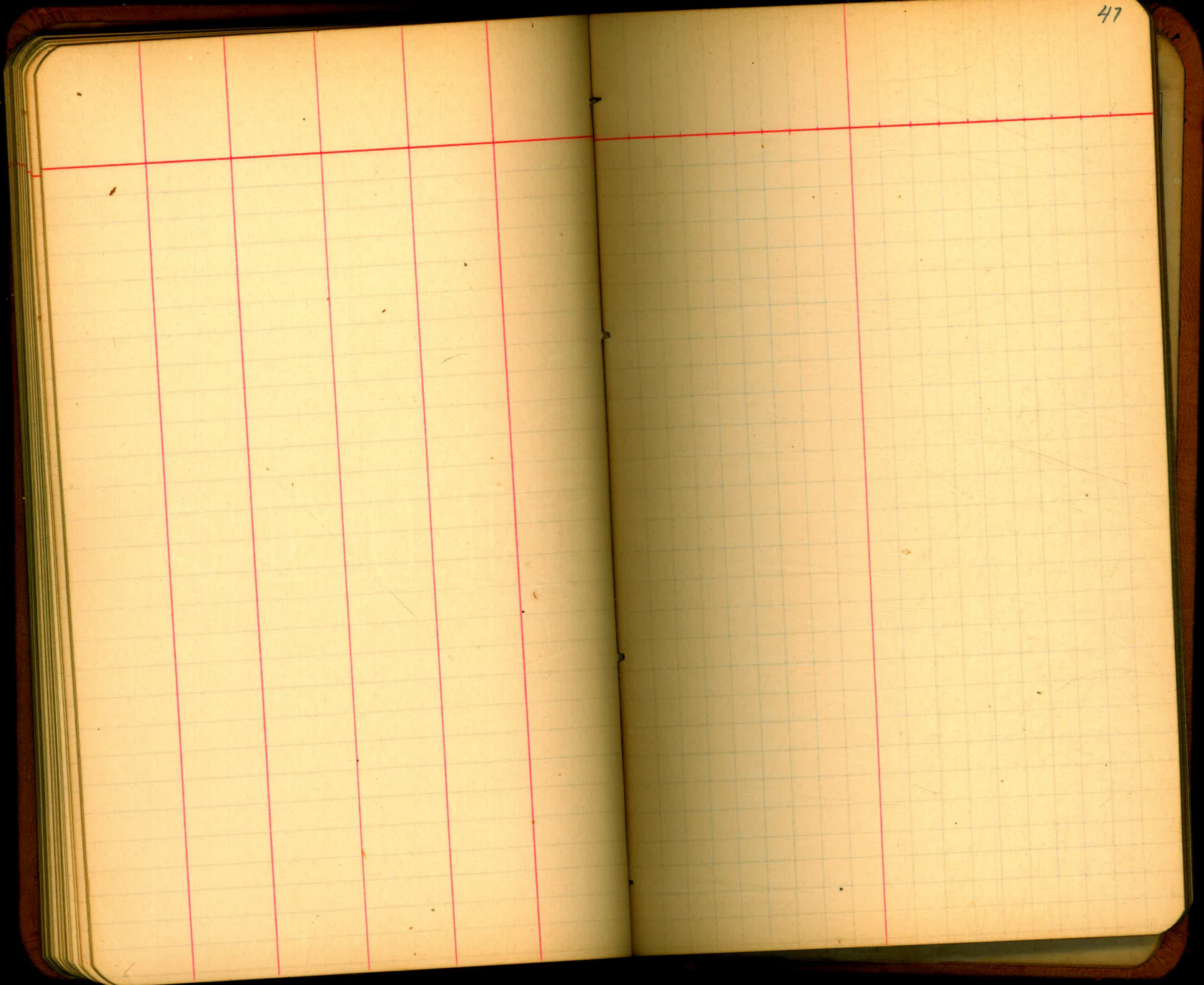


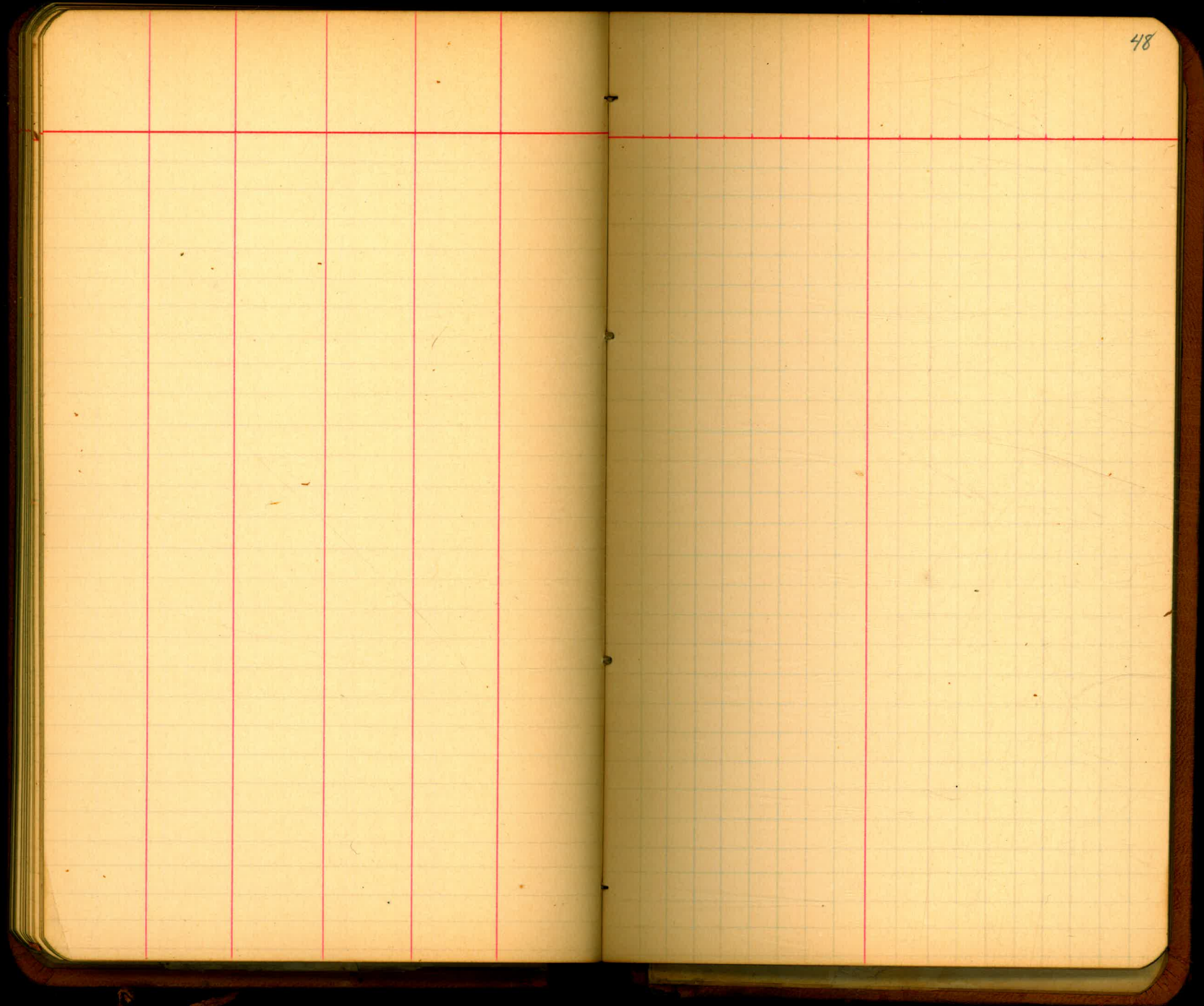


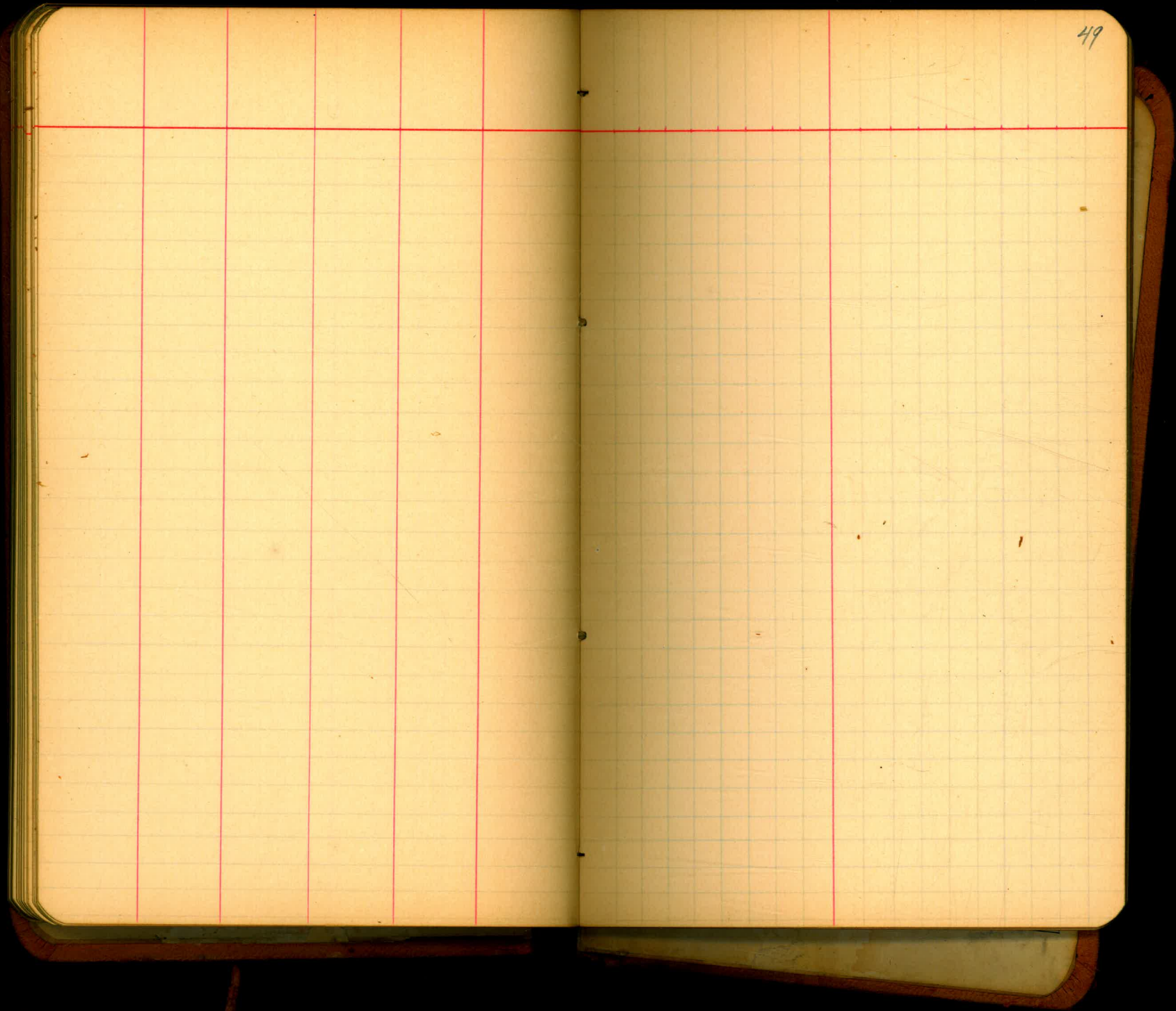
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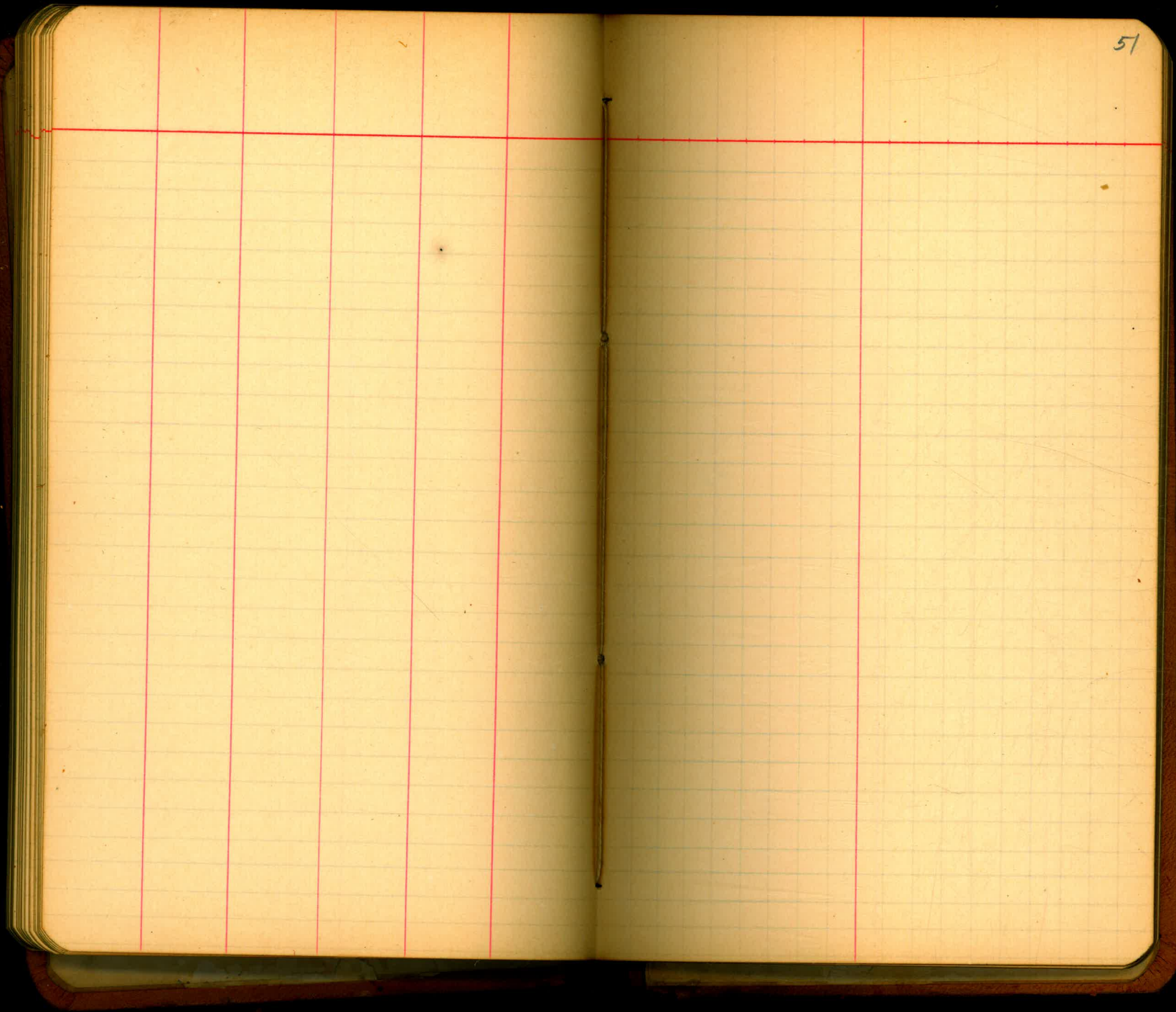


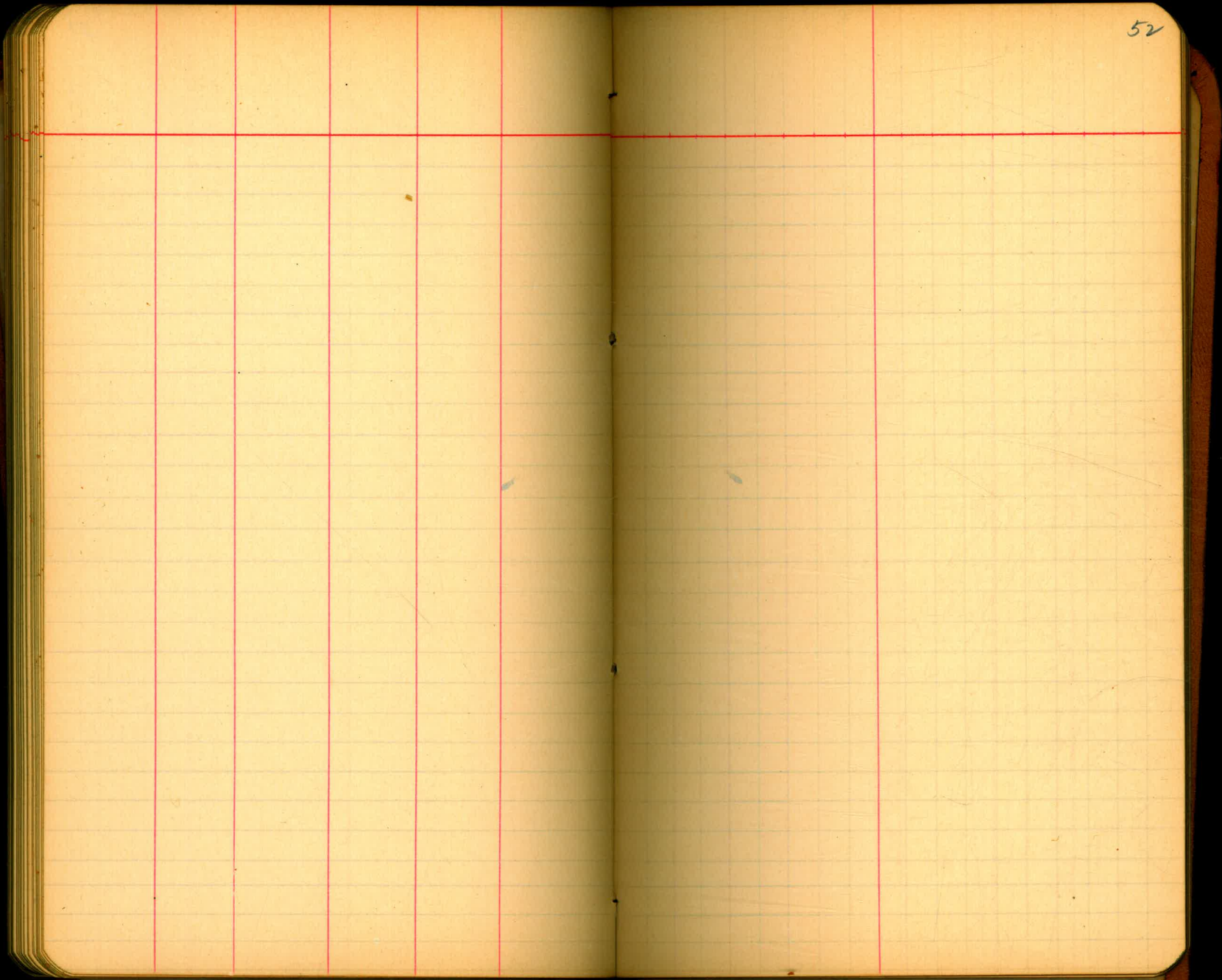


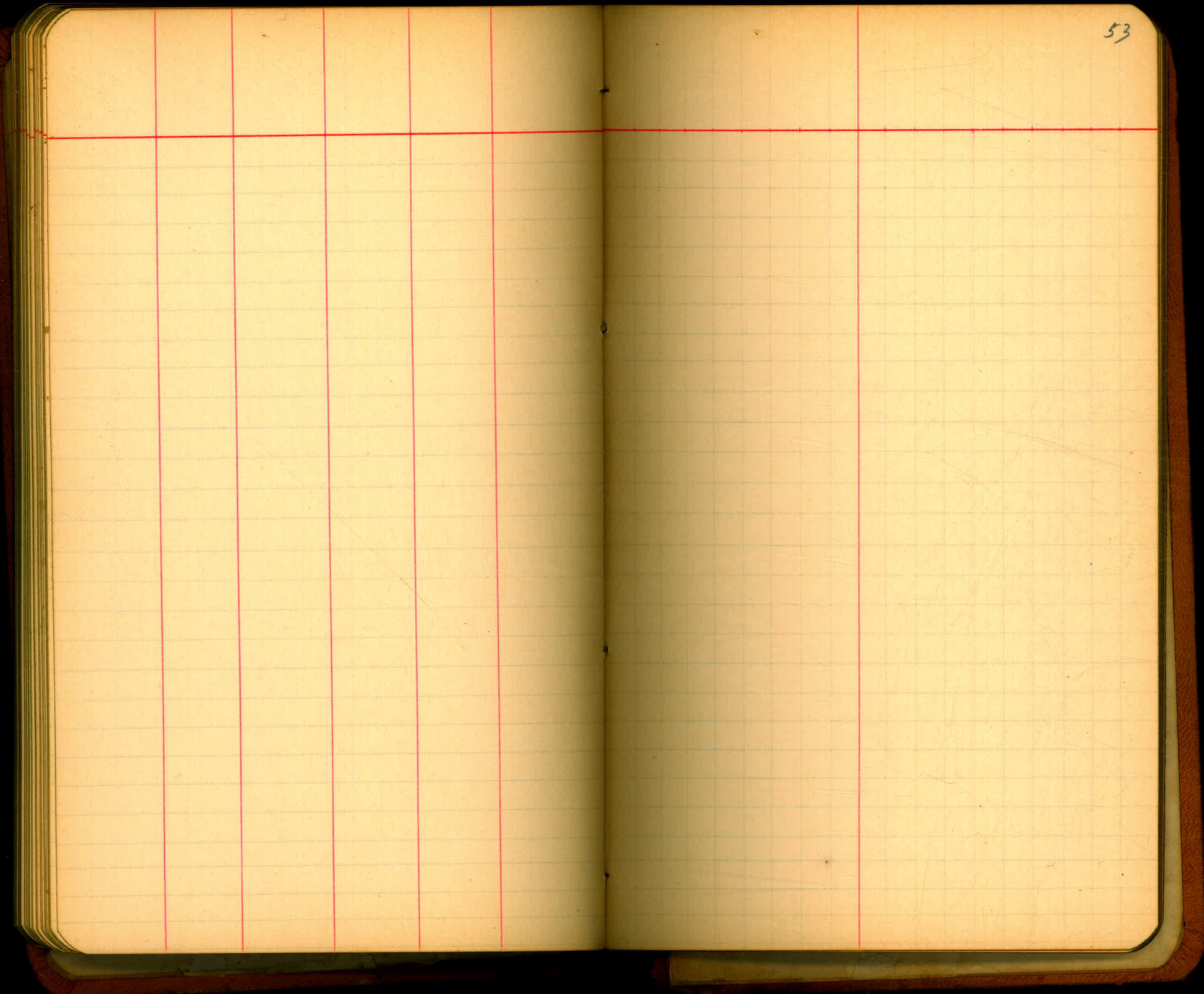


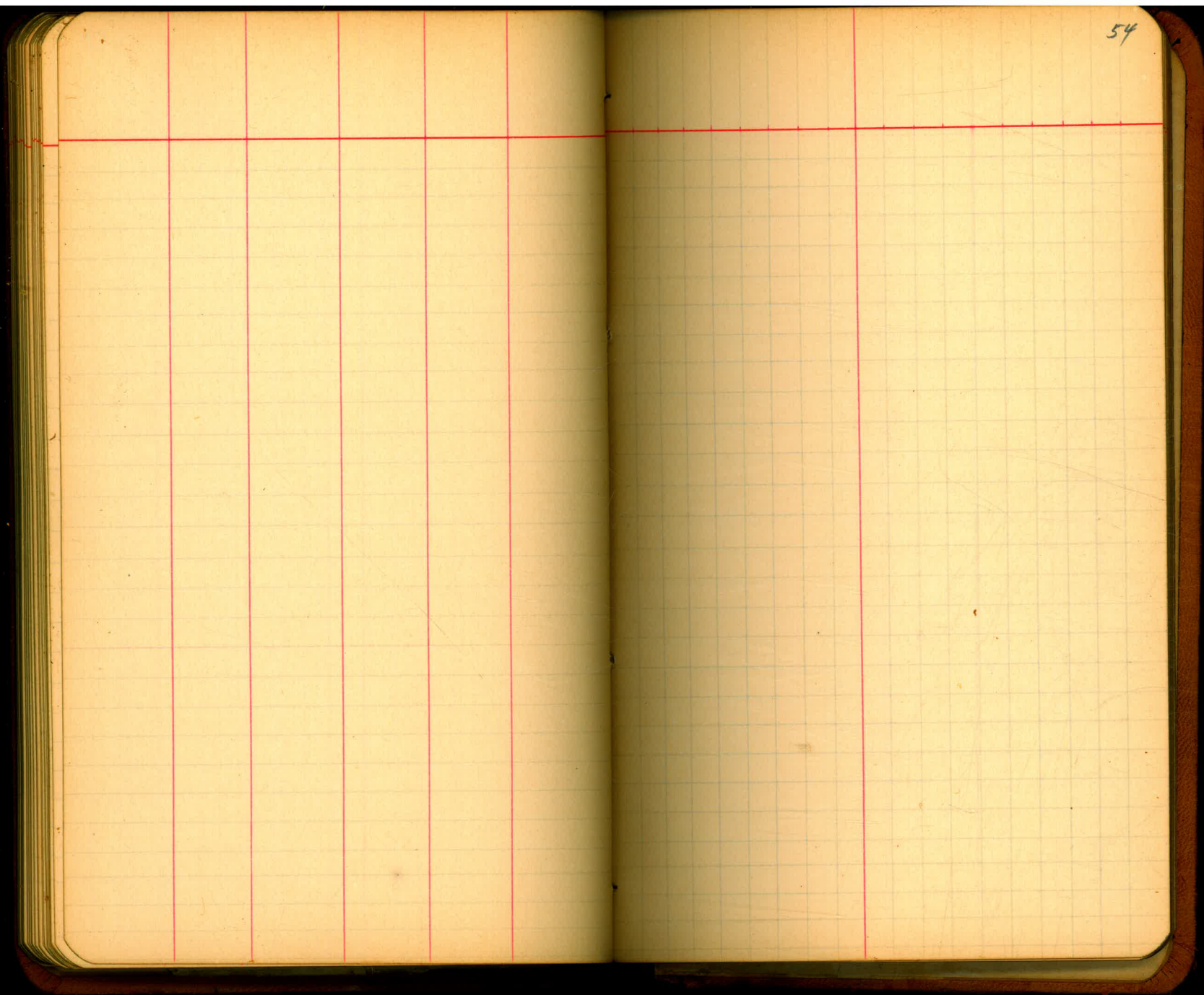


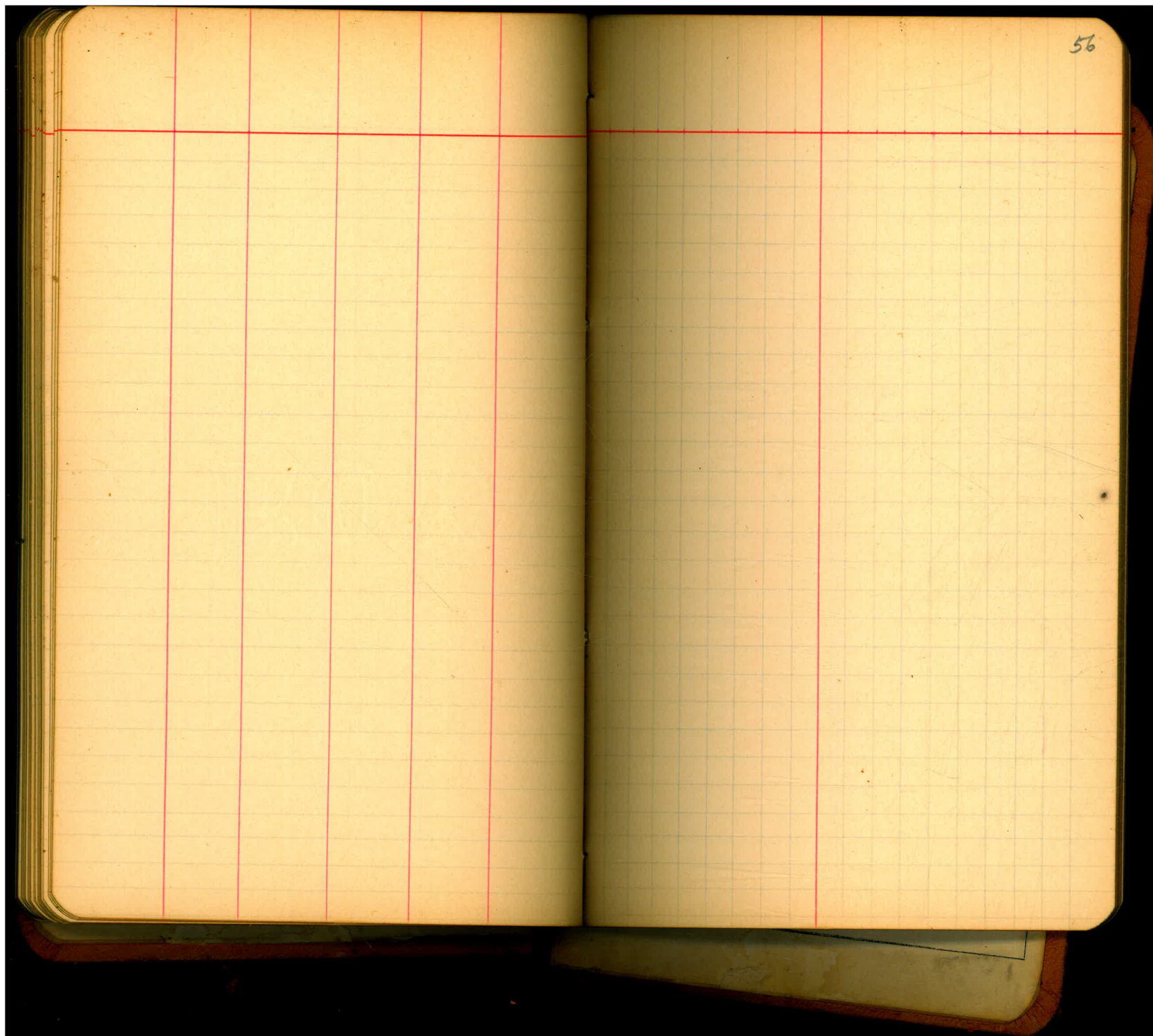


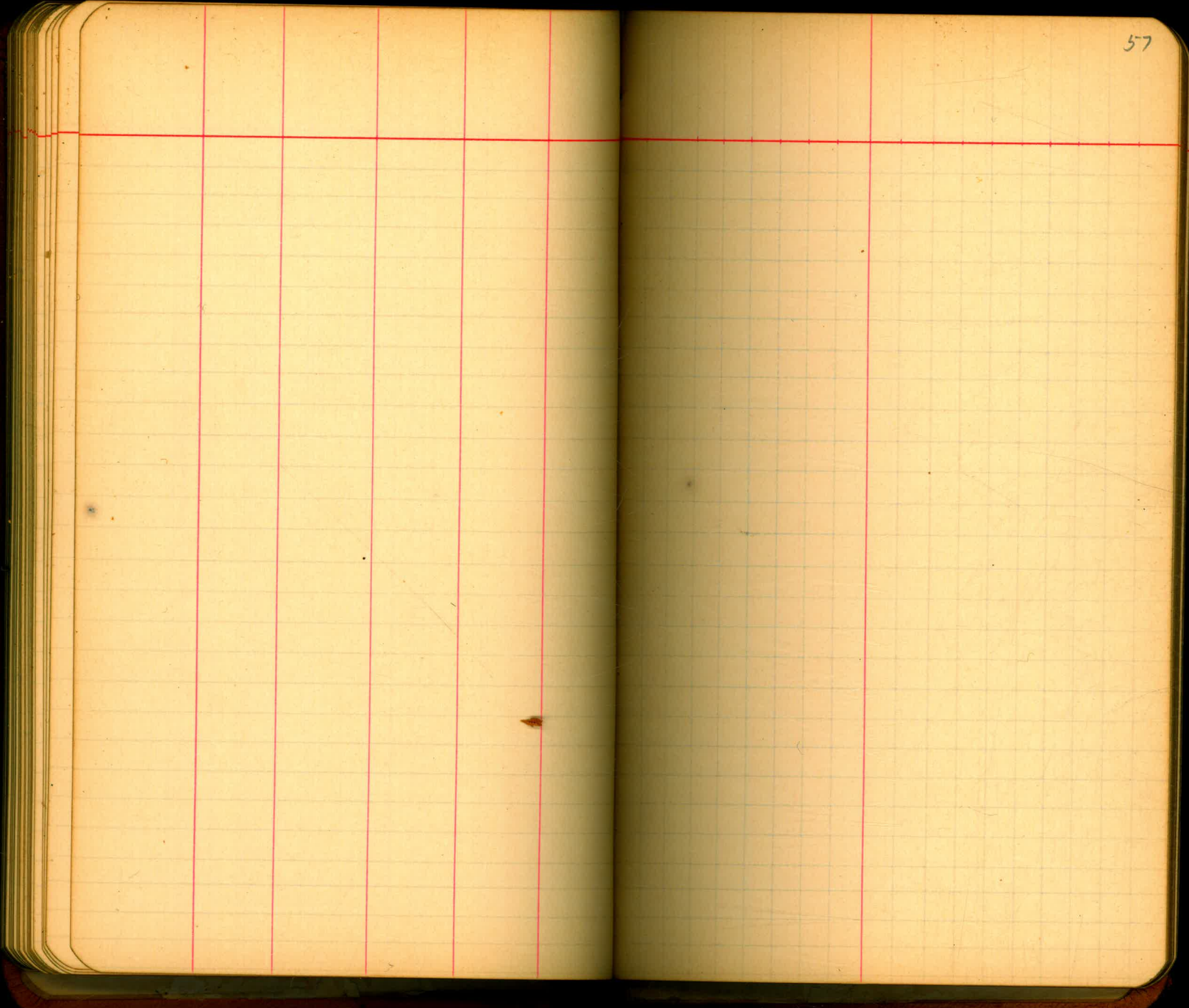


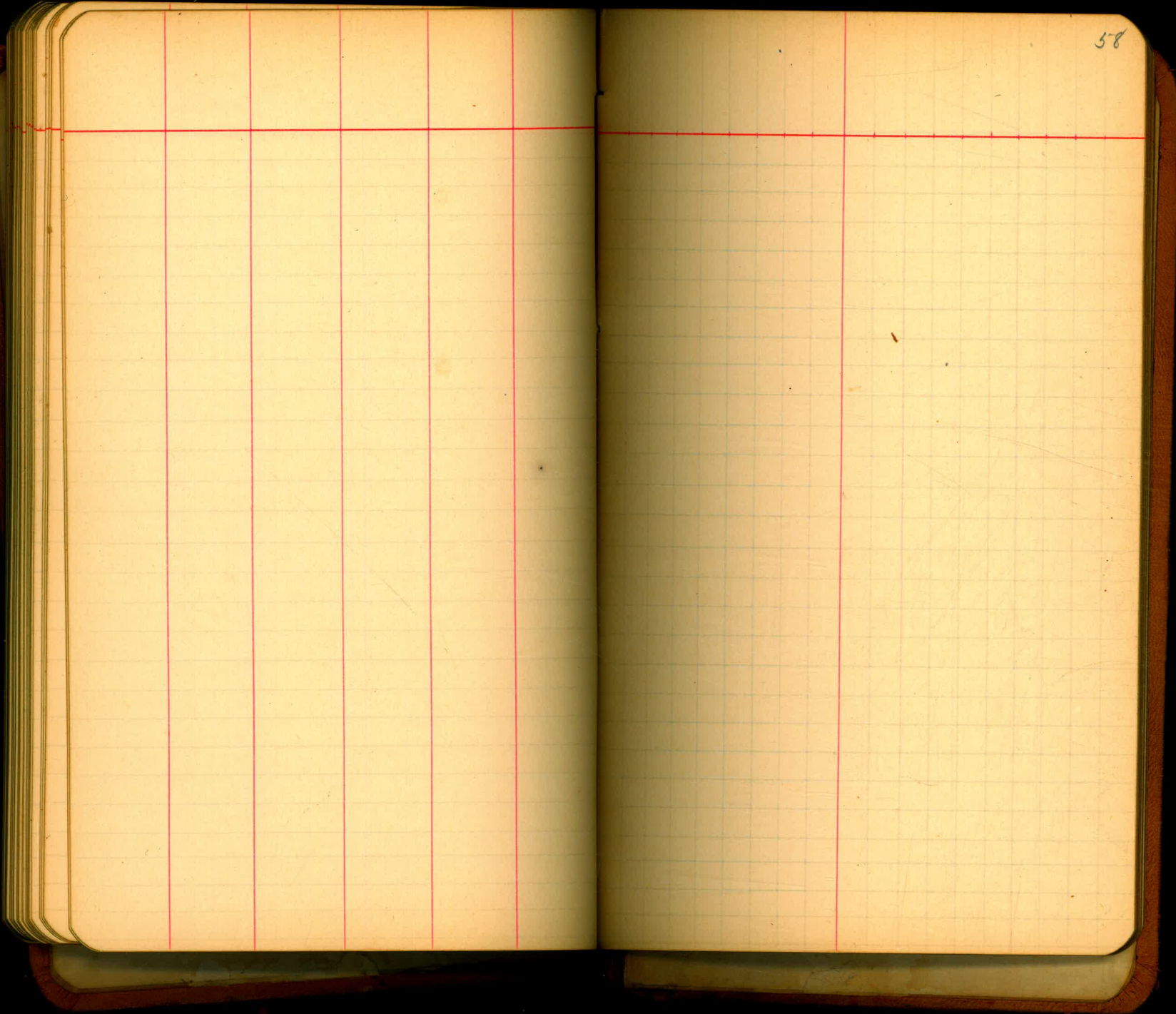




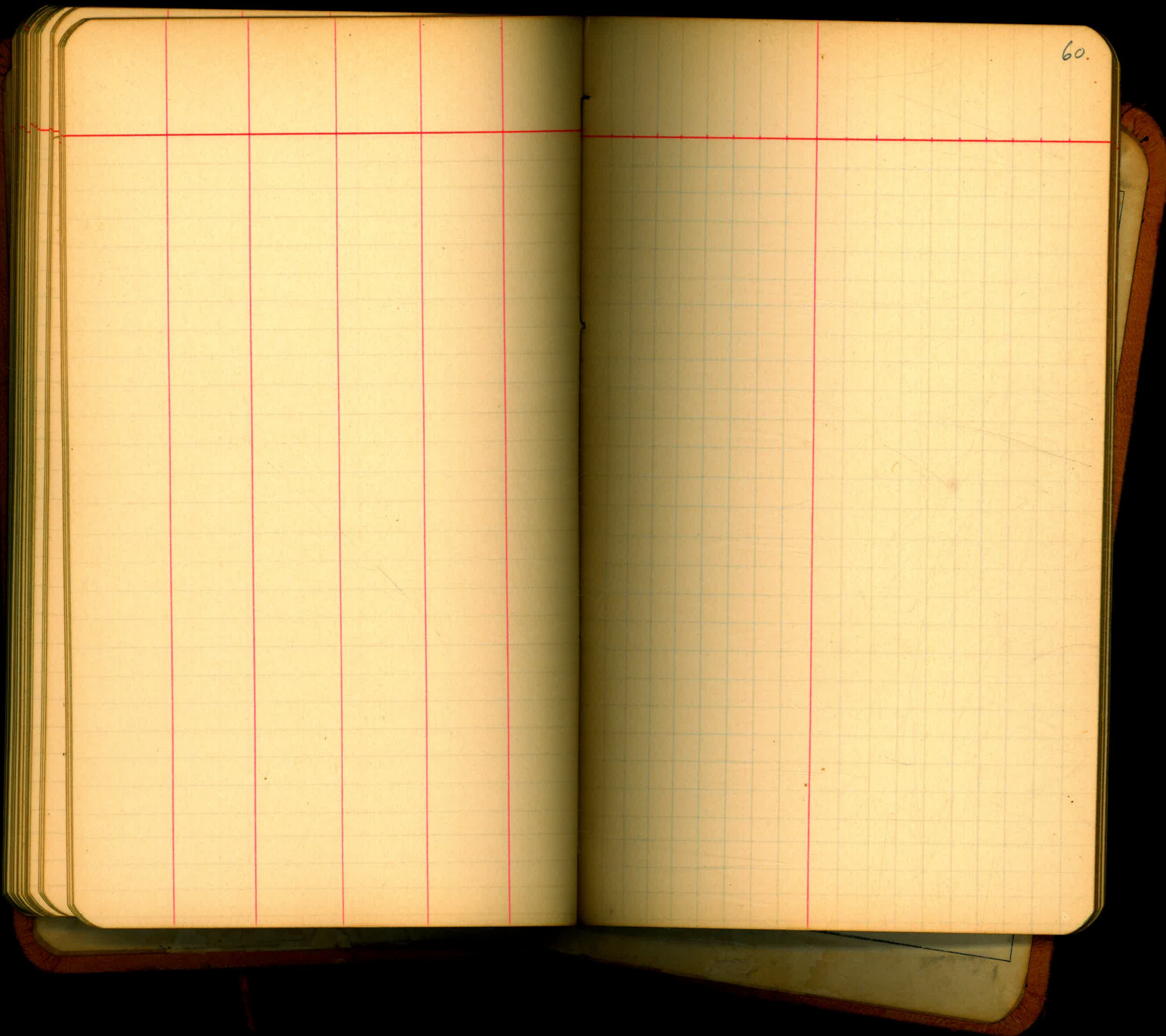


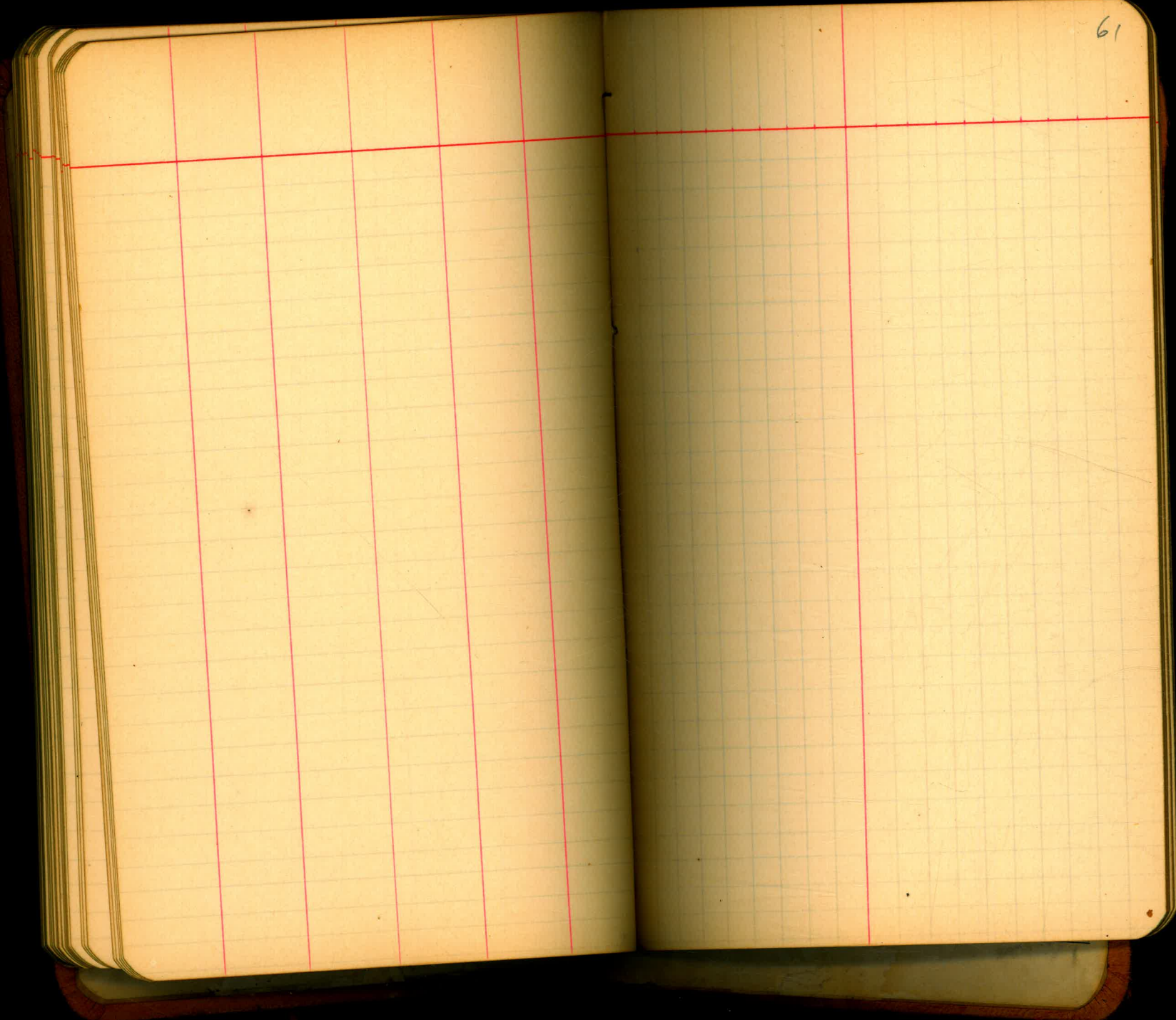


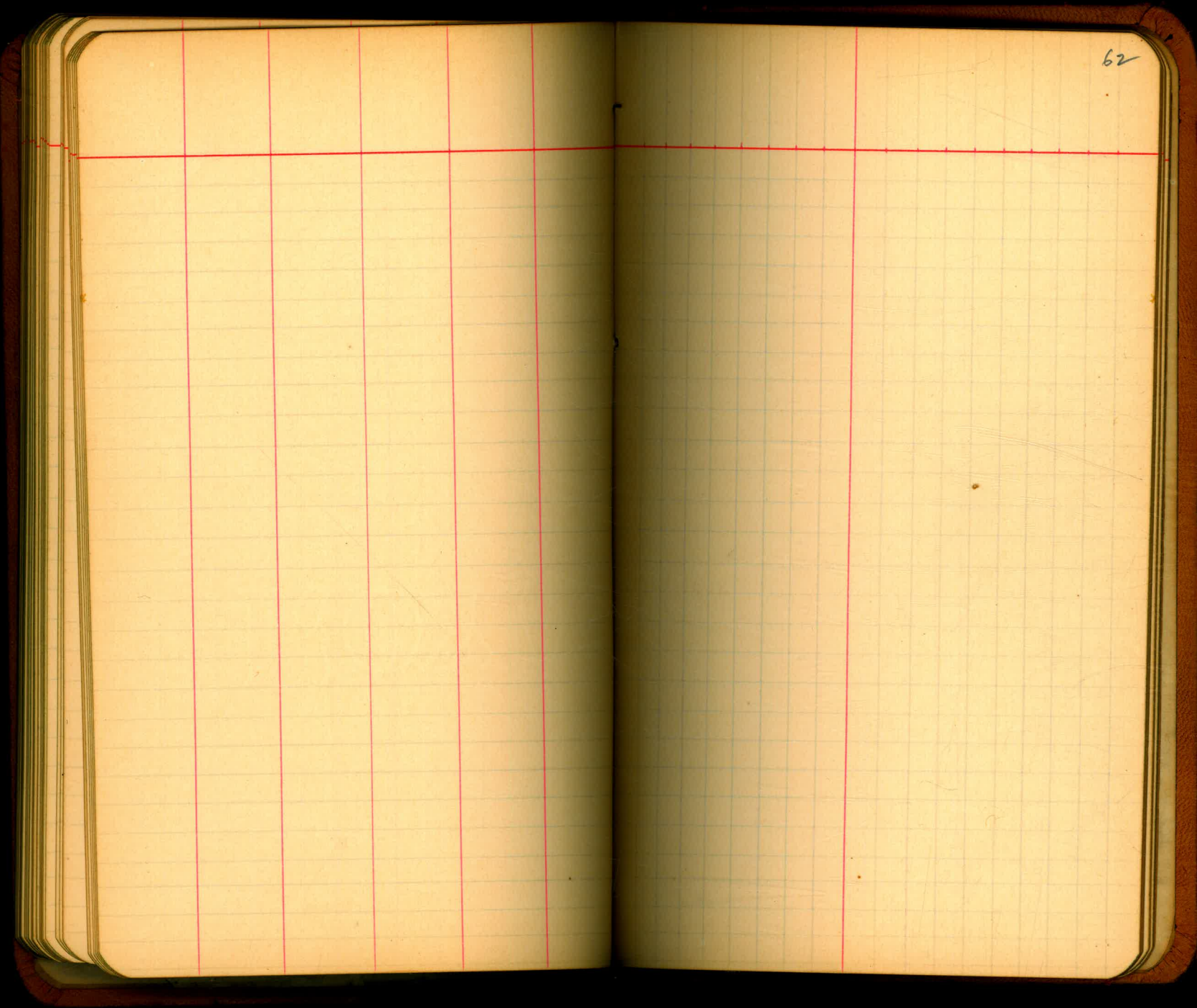


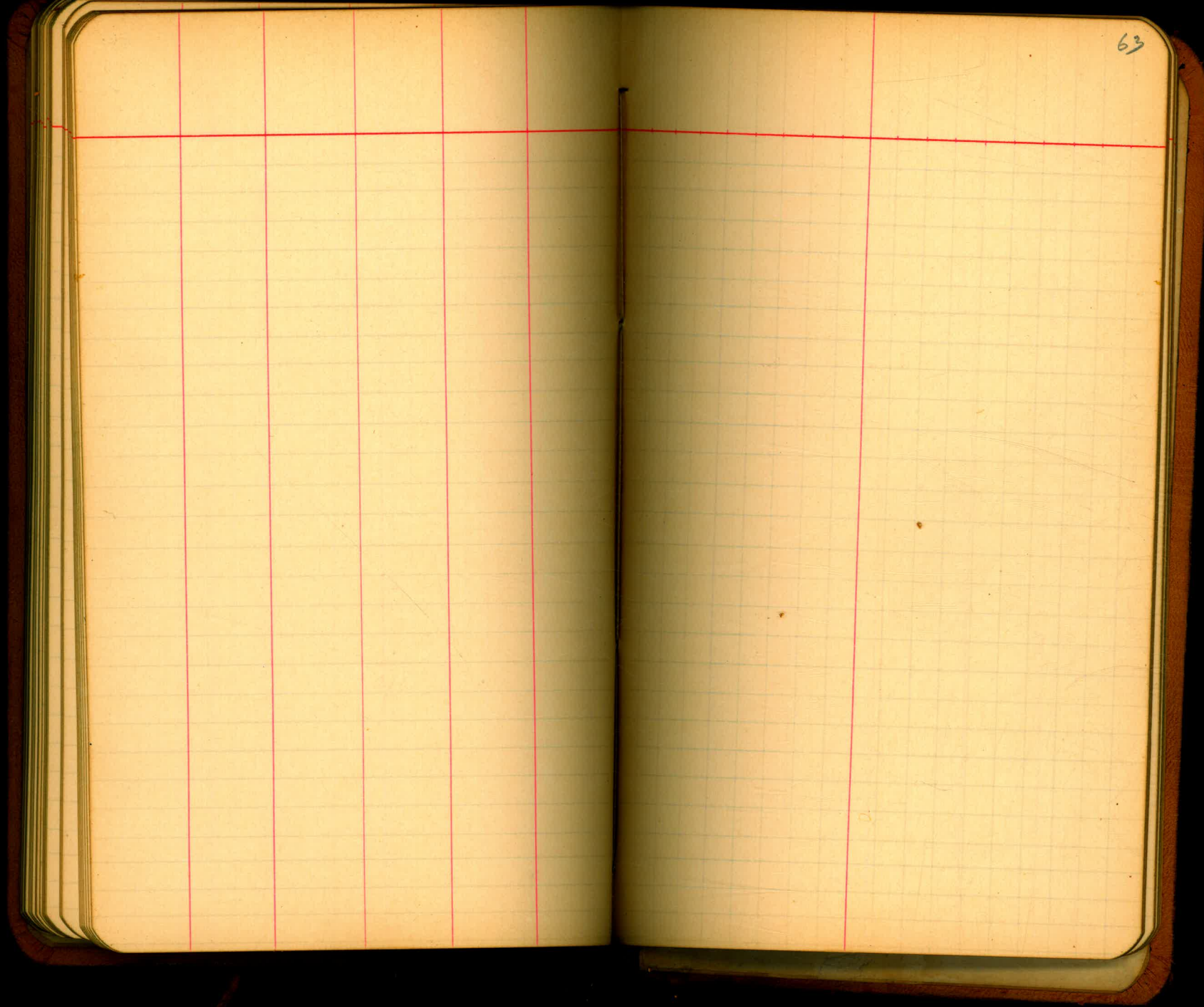


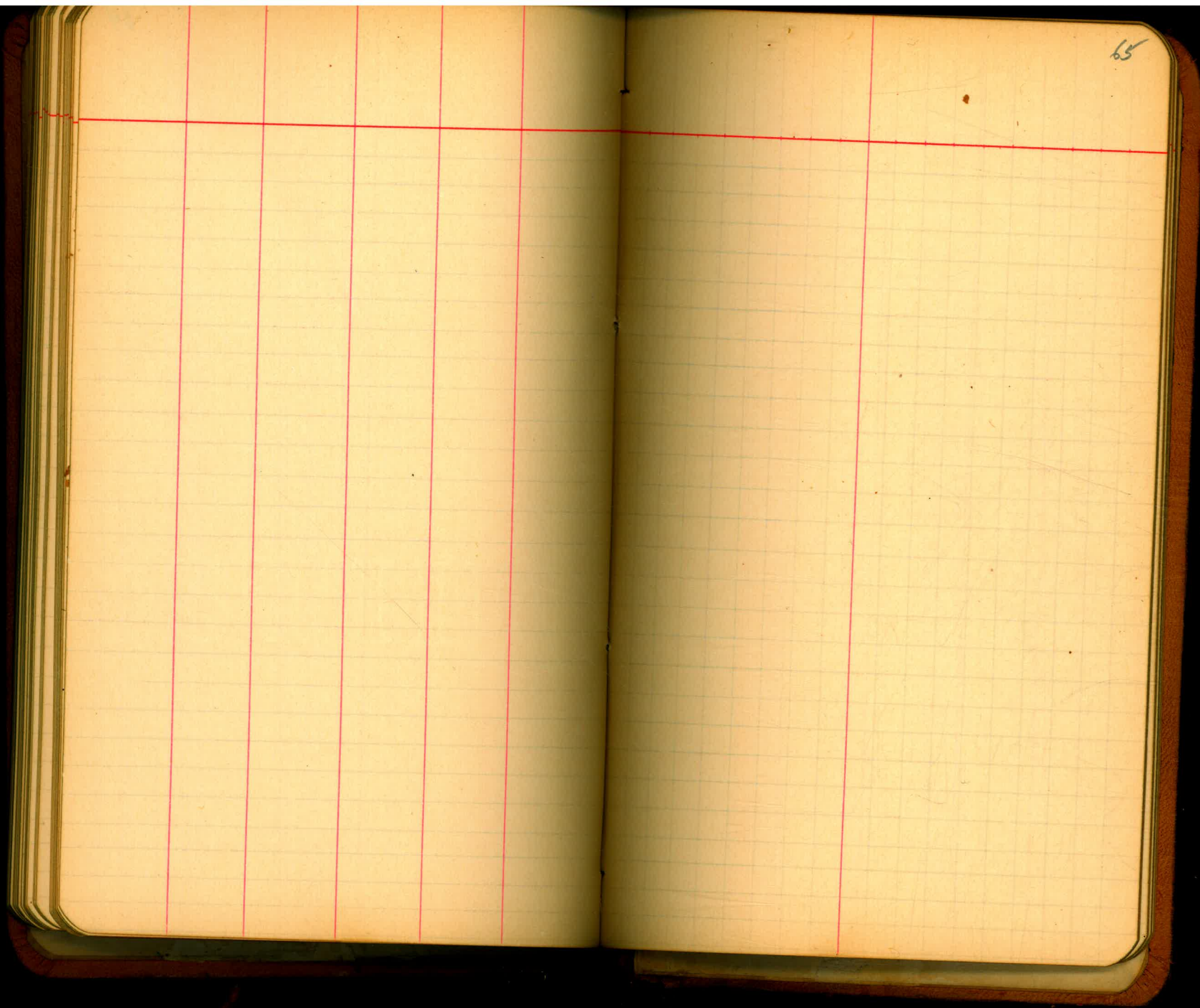
59

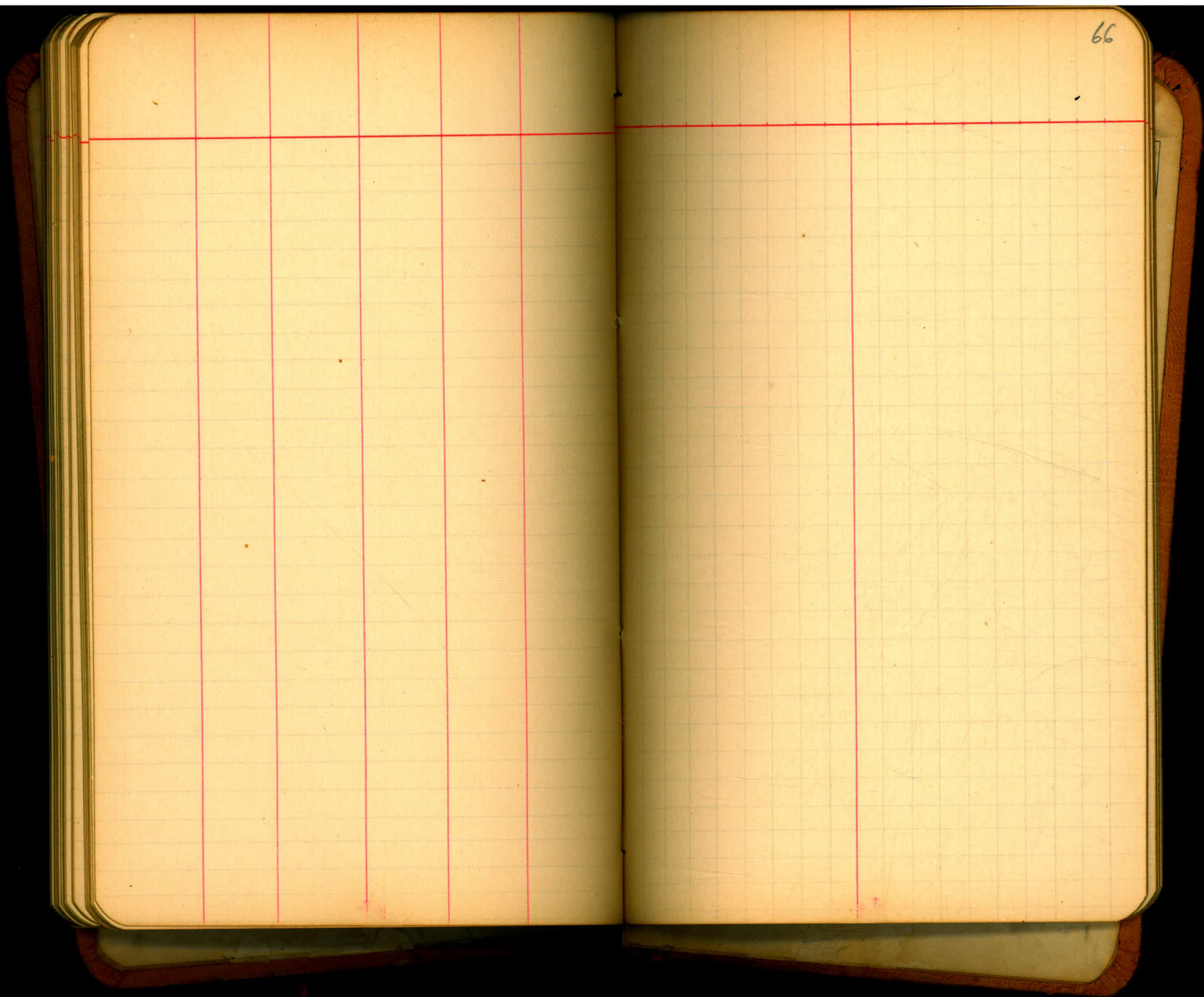


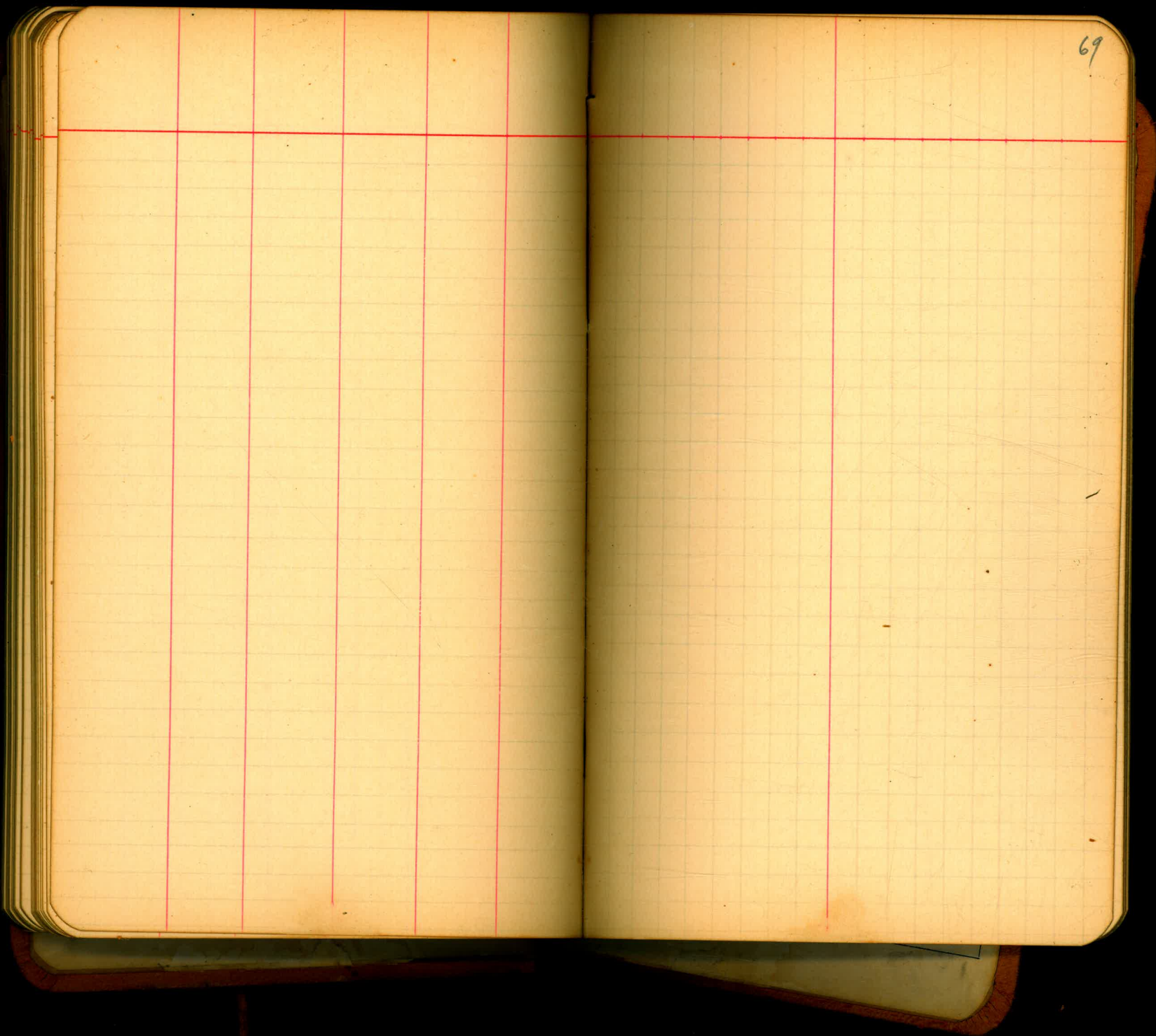


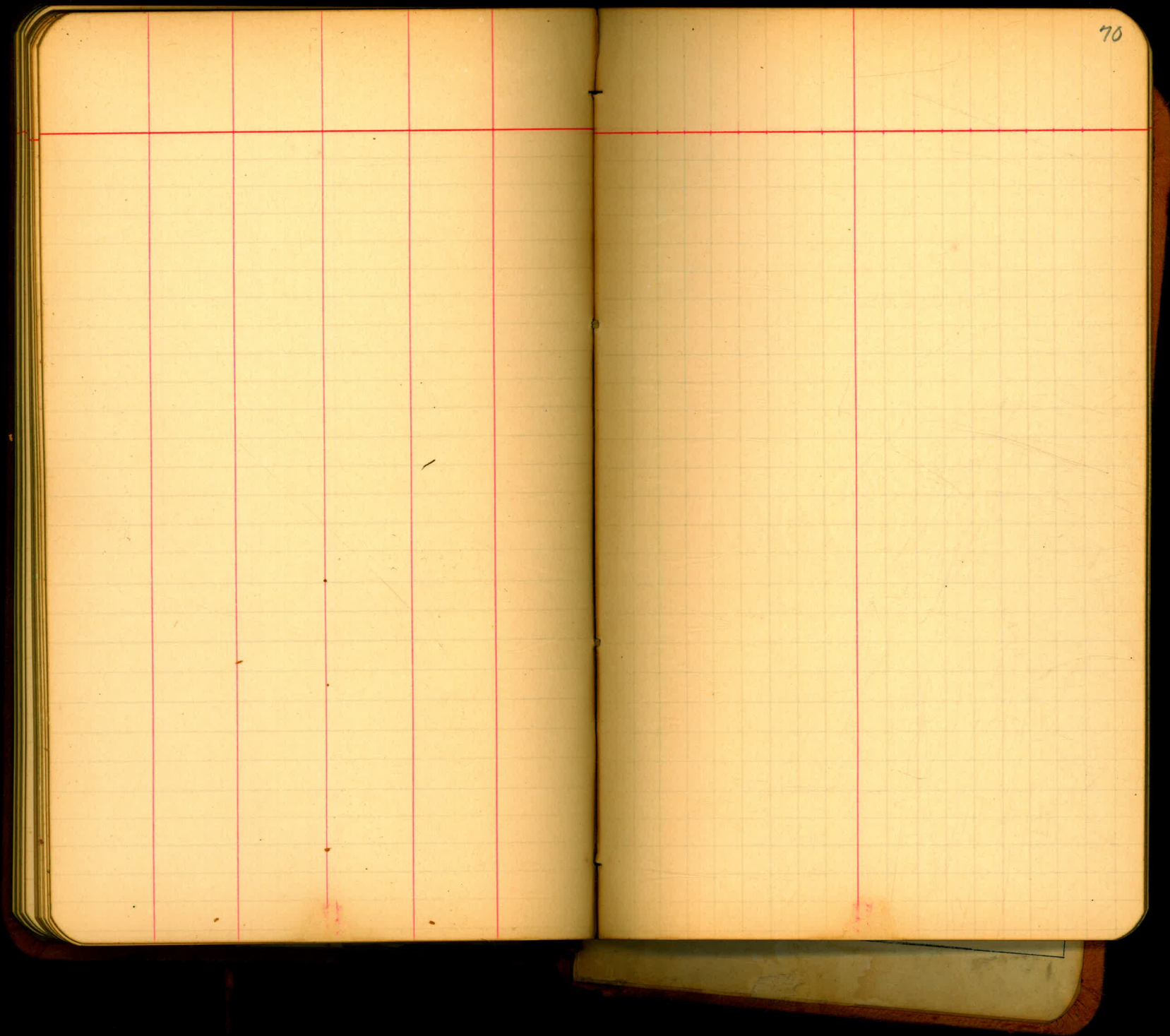


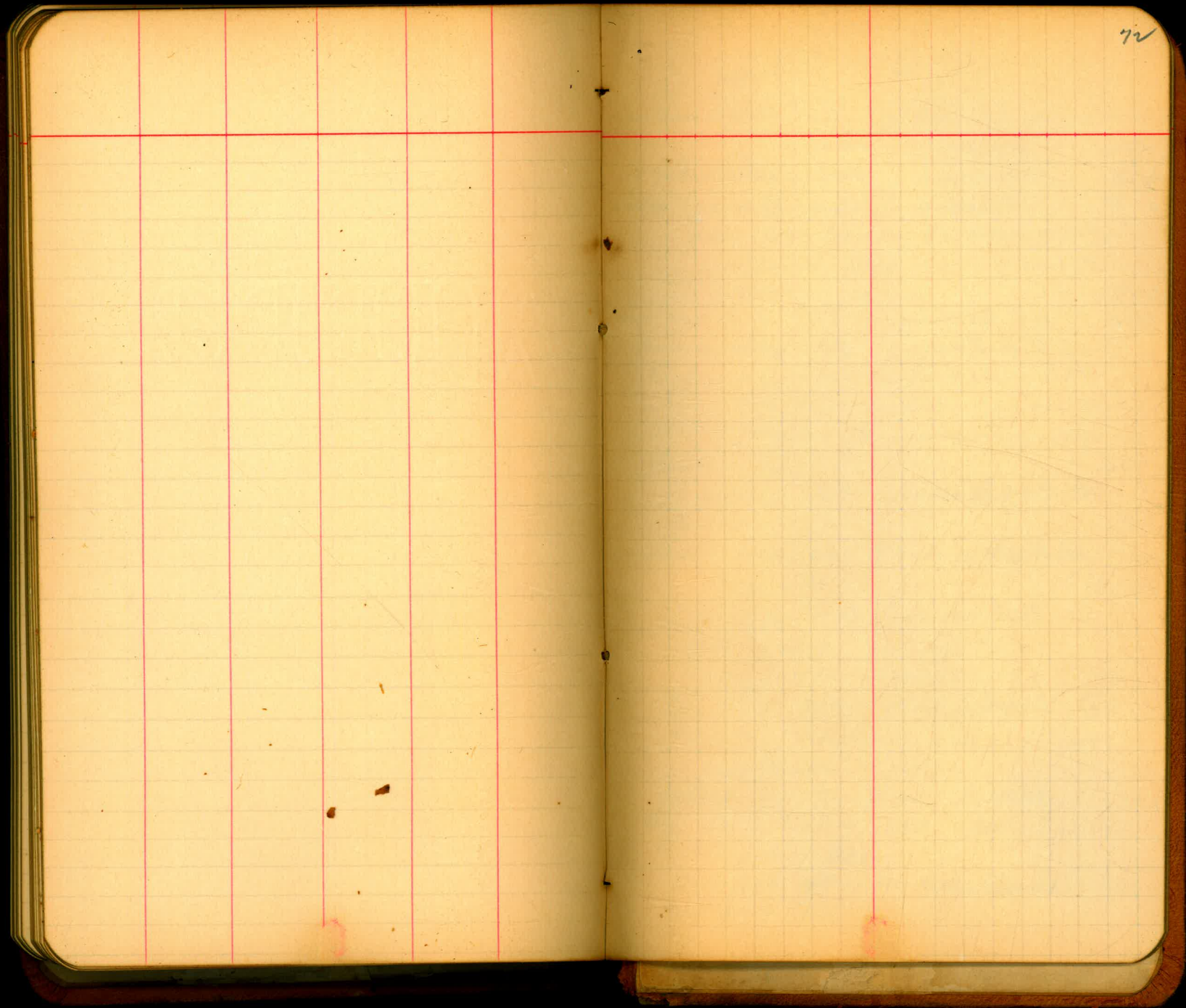












72

notes on El Capitan Res^t appraisals

| Parcel | owner | acres | |
|--------|--------------|-------|--------------------------|
| ✓ 8 | Merceran | 40 | steep brushy |
| ✓ 9 | J.C. Darling | 160 | $\frac{3}{4}$ mi of wood |
| ✓ 10 | W.R. Darling | 80 | did not view |
| ✓ 5 | J.M. Roy | 80 | steep brushy |
| ✓ 1 | McKallum | 40 | |
| ✓ 4 | Wynanawa | 160 | 1 mi of river |
| 11 | Kuhner | 160 | |
| ✓ | Smith | 40 | |
| | Heal | | |
| | Henderson | 160 | |

mountain @ 15
 grazing @ 25
 floor @ 50

73

mountain side 200
 rd creek similar to Hauer
 dove bee house 20 acres grazing
 20 acres steep brushy mountain
 apring (1/2 100) 1200
 400
 mountainside Wynanawa w. low
 Siphon lower end terminated
 when NW cor of this piece and
 water 20 has flume walkway shack
 there 400
 10 acres in river below steep mountain
 $\frac{1}{2}$ mi x 300 river 400
 x 300 = 40 ac ± balance steep mount
 400 2000
 78 new floor $\frac{1}{2}$ x 300' river
 below steep farm site 150
 barn 18 x 24 - 400 barn 33 x 26 - 600 2960
 Shed 50 12 x 24 shack 100 farming 50
 4 ac W of chocolate ln $\frac{1}{4}$ mi x 200' creek
 also traces of field
 cottage 36 x 36 - 2000 chicken hen 15 x 24
 50 - 50 trees 250 barn 36 x 48
 10300. farming 300
 trees 1100 farming 600 400 150 ha
 300 farming 150

2nd - 10 day report

Order getting done

879.12) 763 000 (800873

~~786 708~~

69 929.6

637.040

611894

251460

Paint for drollas
no meter on drollas.
Start on drollas.

74

Blue prints of piping

Replen band drollas w/eye
gate house with full size bands.
Properly painted

drollas keeper to accompany
visitors to drollas Res.

Removite drollas Res.

Prints of drollas for drollas

Signs for drollas

Keeper to clean up below Res.

B.B-27 1-12-21 Brewery
shop

40 ft. no 18 Duracord
2 crescent sawy gauges.

Ferris no meter
Peter Rickard now metered

Louis Farar Peter Rickard
Jul 1 1920 397 June 1 397 15200
Jul 1 198 56700

Logs of mv. 1916 wells.

- sand 155' static
- mud 165-180 kinetic head
- gravel Air meter test
- shale wraps for Clark
Lowell on pressure on
for 21 compressor.
Hinchman

1 to Clark
RED 1/2 Bx 1328 HMI
Rain gauge
king soil water gauge

Babcock water 1920

| | amt | bill |
|----|----------------|--------------|
| 1 | 26 00 | 435 |
| 2 | 14 00 | 205 |
| 3 | 56 00 | 570 |
| 4 | 3 00 | 125 |
| 5 | 28 00 | 360 |
| 6 | 84 00 | 780 |
| 7 | 228 00 | 2005 |
| 8 | 324 00 | 2725 |
| 9 | 406 00 | 3485 |
| 10 | 289 00 | 2535 |
| 11 | 139 00 | 1435 |
| 12 | 118 00 | 1270 |
| | <u>1715 00</u> | <u>15930</u> |

exp. of contents for air
gauge for Clark

good house keeping
 Shrubbery & porches
 Lin stock & other incidents
 grazing ground
 Am. cards.

Dr. Bill

Apr 10 1921

| | |
|-------|-------|
| | 8520 |
| | 9622 |
| | 8318 |
| | 8790 |
| | 35250 |
| | 4125 |
| | 60. |
| 18048 | |
| 9940 | |
| 27988 | |
| 30955 | |
| 2967 | |

21 1/2
 22 1/2
 23 1/2
 24 1/2
 25 1/2
 26 1/2
 27 1/2
 28 1/2
 29 1/2
 30 1/2
 31 1/2

180
 249
 624

13038
 2716

★ Polaris

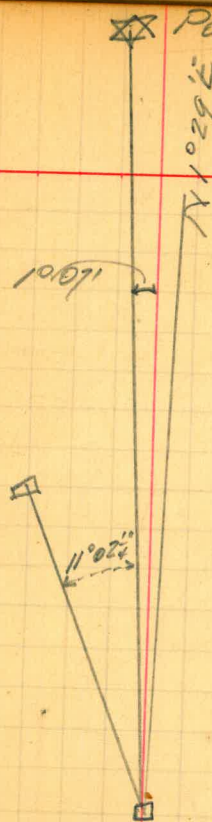
3-21-21

Wm. Bland

Bland

7:33 P.M.

76



Nectarines

5

apples

20

Crab apples

5

Pears

16

Quince

10

Plums

25

Pommes

9

Plum cot

12 5 ~~3~~

Peaches

5 7 ¹²

appricots

9

cherries

9

517
~~42~~
 475
 80
 555
 80
 635
 80
 715
 80
 795

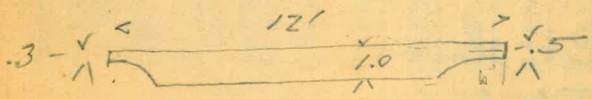
13
 25
 37
 49 1/2
 60 1/2

72 29
 46 44
 2.6 5
 2.6
 3.1

.0155
 12
 310
 1550
 1860
 12.20
 150
 7 1/2

516 84.55
 293 19
 321 | 223.0061
 1926
 3040

.6 %
 2.66 %
 1.66 %



2820. One H 434
 36-8
 26 10 33 6 10 9 5

63 6 232 x
 15 124
 48 928
 63 6 232 x
 36 21
 27 6 56
 287 68
 891 2

21 7 1/2
 10 9 5/8
 32 1 1/2
 10 9 5/8
 43 2 1/2



500
 27 6
 27 6
 13 7 1/2
 18 2 5
 8 5 0
 7 5 6 2 5
 2 9 1 6
 3 6 7 2 2 5 6060
 3 6
 1 2 0 6 7 2 2 5 607 1/2
 7 2 3 6

54
 54
 2 1 6
 2 7 0
 2 9 1 0 607 1/2
 43 1 0
 1 6 9 1/2

Burns Book
 G 101-150 1919
 Pat. plain
 Fm 21?

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

FOR SINGLE TRACK EMBANKMENT.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1 1/2 TO 1.

| | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | |
|----|------|------|------|------|------|------|------|------|------|------|----|
| 0 | 7.0 | 7.2 | 7.3 | 7.5 | 7.6 | 7.8 | 7.9 | 8.1 | 8.2 | 8.4 | 0 |
| 1 | 8.5 | 8.7 | 8.8 | 9.0 | 9.1 | 9.3 | 9.4 | 9.6 | 9.7 | 9.9 | 1 |
| 2 | 10.0 | 10.2 | 10.3 | 10.5 | 10.6 | 10.8 | 10.9 | 11.1 | 11.2 | 11.4 | 2 |
| 3 | 11.5 | 11.7 | 11.8 | 12.0 | 12.1 | 12.3 | 12.4 | 12.6 | 12.7 | 12.9 | 3 |
| 4 | 13.0 | 13.2 | 13.3 | 13.5 | 13.6 | 13.8 | 13.9 | 14.1 | 14.2 | 14.4 | 4 |
| 5 | 14.5 | 14.7 | 14.8 | 15.0 | 15.1 | 15.3 | 15.4 | 15.6 | 15.7 | 15.9 | 5 |
| 6 | 16.0 | 16.2 | 16.3 | 16.5 | 16.6 | 16.8 | 16.9 | 17.1 | 17.2 | 17.4 | 6 |
| 7 | 17.5 | 17.7 | 17.8 | 18.0 | 18.1 | 18.3 | 18.4 | 18.6 | 18.7 | 18.9 | 7 |
| 8 | 19.0 | 19.2 | 19.3 | 19.5 | 19.6 | 19.8 | 19.9 | 20.1 | 20.2 | 20.4 | 8 |
| 9 | 20.5 | 20.7 | 20.8 | 21.0 | 21.1 | 21.3 | 21.4 | 21.6 | 21.7 | 21.9 | 9 |
| 10 | 22.0 | 22.2 | 22.3 | 22.5 | 22.6 | 22.8 | 22.9 | 23.1 | 23.2 | 23.4 | 10 |
| 11 | 23.5 | 23.7 | 23.8 | 24.0 | 24.1 | 24.3 | 24.4 | 24.6 | 24.7 | 24.9 | 11 |
| 12 | 25.0 | 25.2 | 25.3 | 25.5 | 25.6 | 25.8 | 25.9 | 26.1 | 26.2 | 26.4 | 12 |
| 13 | 26.5 | 26.7 | 26.8 | 27.0 | 27.1 | 27.3 | 27.4 | 27.6 | 27.7 | 27.9 | 13 |
| 14 | 28.0 | 28.2 | 28.3 | 28.5 | 28.6 | 28.8 | 28.9 | 29.1 | 29.2 | 29.4 | 14 |
| 15 | 29.5 | 29.7 | 29.8 | 30.0 | 30.1 | 30.3 | 30.4 | 30.6 | 30.7 | 30.9 | 15 |
| 16 | 31.0 | 31.2 | 31.3 | 31.5 | 31.6 | 31.8 | 31.9 | 32.1 | 32.2 | 32.4 | 16 |
| 17 | 32.5 | 32.7 | 32.8 | 33.0 | 33.1 | 33.3 | 33.4 | 33.6 | 33.7 | 33.9 | 17 |
| 18 | 34.0 | 34.2 | 34.3 | 34.5 | 34.6 | 34.8 | 34.9 | 35.1 | 35.2 | 35.4 | 18 |
| 19 | 35.5 | 35.7 | 35.8 | 36.0 | 36.1 | 36.3 | 36.4 | 36.6 | 36.7 | 36.9 | 19 |
| 20 | 37.0 | 37.2 | 37.3 | 37.5 | 37.6 | 37.8 | 37.9 | 38.1 | 38.2 | 38.4 | 20 |
| 21 | 38.5 | 38.7 | 38.8 | 39.0 | 39.1 | 39.3 | 39.4 | 39.6 | 39.7 | 39.9 | 21 |
| 22 | 40.0 | 40.2 | 40.3 | 40.5 | 40.6 | 40.8 | 40.9 | 41.1 | 41.2 | 41.4 | 22 |
| 23 | 41.5 | 41.7 | 41.8 | 42.0 | 42.1 | 42.3 | 42.4 | 42.6 | 42.7 | 42.9 | 23 |
| 24 | 43.0 | 43.2 | 43.3 | 43.5 | 43.6 | 43.8 | 43.9 | 44.1 | 44.2 | 44.4 | 24 |
| 25 | 44.5 | 44.7 | 44.8 | 45.0 | 45.1 | 45.3 | 45.4 | 45.6 | 45.7 | 45.9 | 25 |
| 26 | 46.0 | 46.2 | 46.3 | 46.5 | 46.6 | 46.8 | 46.9 | 47.1 | 47.2 | 47.4 | 26 |
| 27 | 47.5 | 47.7 | 47.8 | 48.0 | 48.1 | 48.3 | 48.4 | 48.6 | 48.7 | 48.9 | 27 |
| 28 | 49.0 | 49.2 | 49.3 | 49.5 | 49.6 | 49.8 | 49.9 | 50.1 | 50.2 | 50.4 | 28 |
| 29 | 50.5 | 50.7 | 50.8 | 51.0 | 51.1 | 51.3 | 51.4 | 51.6 | 51.7 | 51.9 | 29 |
| 30 | 52.0 | 52.2 | 52.3 | 52.5 | 52.6 | 52.8 | 52.9 | 53.1 | 53.2 | 53.4 | 30 |
| 31 | 53.5 | 53.7 | 53.8 | 54.0 | 54.1 | 54.3 | 54.4 | 54.6 | 54.7 | 54.9 | 31 |
| 32 | 55.0 | 55.2 | 55.3 | 55.5 | 55.6 | 55.8 | 55.9 | 56.1 | 56.2 | 56.4 | 32 |
| 33 | 56.5 | 56.7 | 56.8 | 57.0 | 57.1 | 57.3 | 57.4 | 57.6 | 57.7 | 57.9 | 33 |
| 34 | 58.0 | 58.2 | 58.3 | 58.5 | 58.6 | 58.8 | 58.9 | 59.1 | 59.2 | 59.4 | 34 |
| 35 | 59.5 | 59.7 | 59.8 | 60.0 | 60.1 | 60.3 | 60.4 | 60.6 | 60.7 | 60.9 | 35 |
| 36 | 61.0 | 61.2 | 61.3 | 61.5 | 61.6 | 61.8 | 61.9 | 62.1 | 62.2 | 62.4 | 36 |

Calculated by Julien A. Hall, M. Am. Soc. C. E.