#7 Ben Harrelson
& Miscellaneous
Warbasse=HiValley

VII

#28

K & E
REG. U. S. PAT. OFF.

COLLEGE FIELD BOOK
360 C

Grace D. Clark, 16 1N-2E
Padelt & Reservoir 5N-1W

NAME Wm H. Bartlett B.L.
8006 E Culver, Phoenix, Ariz.

18-19

15-16

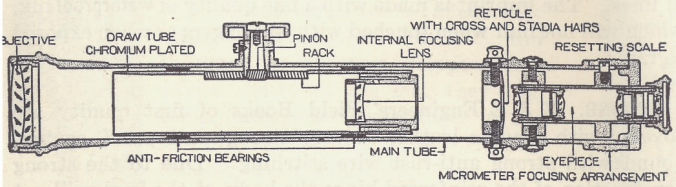
K+E SURVEYING INSTRUMENTS.

The line includes every type of instrument from the Precise Theodolite to the Builders' Level.

K & E Surveying Instruments are in use by the U. S. Coast and Geodetic Survey, the U. S. Geological Survey, the U. S. Engineers, the U. S. Army, the U. S. Navy, the U. S. Forest Service; by most State and Municipal Departments; by Engineers, Surveyors, Architects, Colleges and Schools.

Among the improvements which have created the wide demand for K & E Surveying Instruments, is the **K & E Internal Focusing Telescope** shown below.

The **K & E Internal Focusing Telescope** was first incorporated in K & E instruments in 1925 and is now standard construction on most transits and levels of the better grades.



One of the many advantages of this construction is as follows:

When the conventional type of telescope is focused by the movement of the objective lens, the volume of air in the telescope is changed, since air is pumped in or out of the telescope as the space within is increased or decreased by the change in position of the lens. Dust and moisture present in the air thus find their way into the telescope.

The illustration above plainly shows that the **Internal Focusing Telescope** has a one-piece main tube closed at one end by the objective lens, and at the other by the eyepiece. Focusing is accomplished by means of the internal lens, the movement of which does not change the volume of air within the tube, so that this type of telescope can be made practically dust and moisture proof.

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G. Gutshall 21-7S-4E Apr 26-1955

15E Avalon Dr. AM 53583

flagged 29/32 28/33 Found & Flagged 32/33

ined from 1/4 32/33, N to 29/32 28/33 = 2642.

ined on N. but

Ties NW cor S by W to E Post Cat Guard 100.5
SE to E one of 8"x8" Braced 108.0
SW to W " " " " " 119.6
E to BM
in E Edge grade

Ties SW cor NE 1/2" Pr Cor 4665
6S. SW to GS BM 6S. 388
2/6 SW to 6x6 Post. 1935

19 20 2641. 20 2631 to 5 pike

29 29

21 7S-4E 27.

Breakfasts 2.00
Luncheons 2.00 Breakfast 1.75
Suppers 2.60
Tire Rep 75
Gas 3.10

1321.75
528.700

1321.75

5280 3960 2640 1320 89° 55'

90° 00'

320.482 A

2641.2 5285.55

90° 01' 89° 59'

5284.1

1321.025 1321.025

20.024A

1320.93

80.072 40.049A

2640.9 1320.45 1320.45 2641.2 1320.60 660

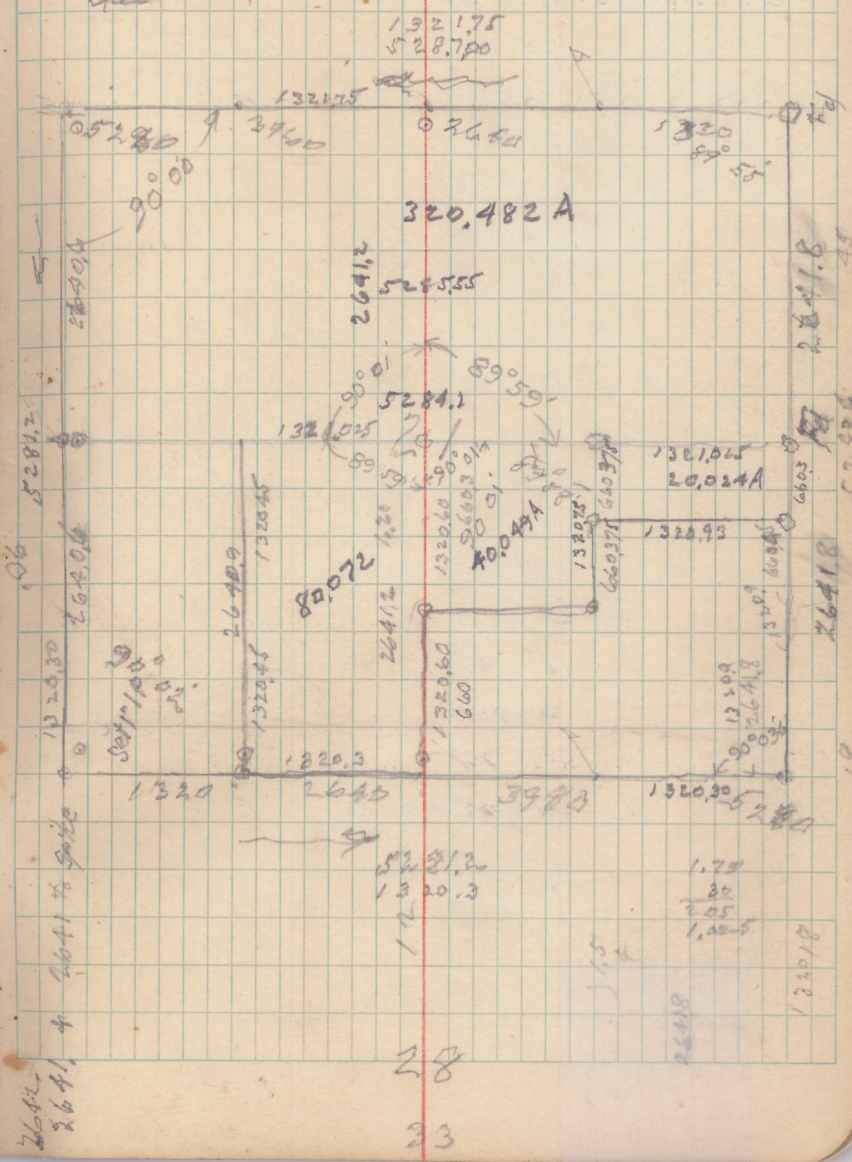
1320.3

1320 2640 3960 1320.30 5280

5281.2
1320.3

1.75
30
2.05
1.025

28



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