

no.14
photo # 29

No:7

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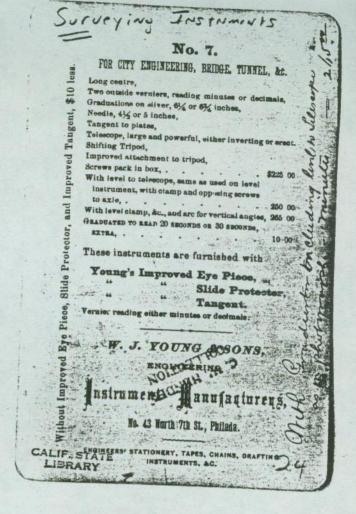
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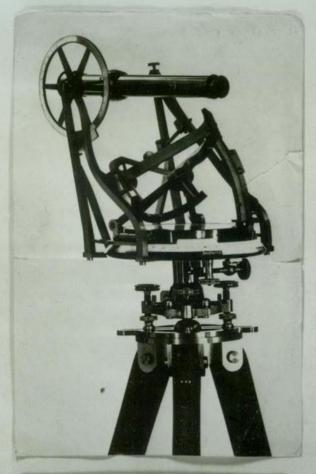
photo +27

No. 14. or Mining Fransit, 1. General dimension same as 5726 or 4. With Level to Telescope and Virtical are Mining attachments Side Telescope revolving full vertical circle independent of torical sinde, centre Telescope. Diagonal Engelsiee. Full vertical circle graduations on Silve Counter-balance Vertical circle with side Telescope and counterbalance detachable \$300 With side Telescope detachable atrached to axis, trevolving, no independent of, but along m centre Telescope, no Vertical discle \$2; graduations of plates on solid sile Clampo + tangent to bertical circle " \$ 15 Stadia hours fixed Extra " ablfustable " Thesi Instruments are furnished with Young's Improved Experience
State Protector
"Notify Whifting Trepod Am. J. Young + Sons. 43. N. 7. Sty



Survey in Enstruments No. 61. TRANSIT, with Level to Telescope and Vertical Arc. Two outside verniers, double, reading minutes or decimals, or one minutes and one decimals. Graduations, 61/4 or 63/4 inches. Needle, 41% or 5 inches. Tangent to plates. Vertical adjustment to telescope. Shifting tripod. Improved attachment to tripod. Screws packed in box. With Level, and opposing or tangent screws to telescope, and with vertical arc, \$240 00 Same instrument, with vertical arc, 225 00 Same instrument, plain, These instruments are furnished with Young's Improved Eye Piece, Slide Protector, Tangent. W. J. YOUNG & SONS. ENGINEERING anufaqturens, Instrument No. 43 North 7th St., Philada. Aneroid Ba. ometers,

no.12. Coast Survey Pattern long centre pring tangent to lower plate. Graduations on polid silver, to ten minutes, either two or four opposite verniers, reading ten seconds: Reading glasses to verniers. Telescope reverses in I bearings. blamp + spring tangent to axle of Striding Levels ground extra consitiv Bal meight on end of Tel. These Instrance furnished with Young's Somproved Coye piece. Slide Protestor. Durugina Instruments Wm. J. Young & Sons. No. 43. NH 17th At. Philada. Perma LISRARY





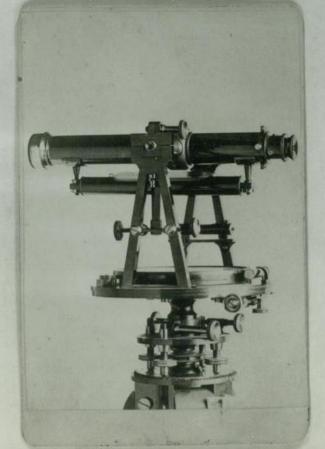




photo # 30

photo #1

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Single Centri Francis nudle. 3 inche minde Jomeis rack frinion-to plates sugle centre - Third rueying Instruments LIF. STA LIBRARY E A. HEWDEL

No. 6.

Long centre, Two ontside verniers, double, reading minutes or decimals, or one minutes and one decima ls. Graduations, 614 or 634 inches, Needle, 41/2 or 5 inches, Tangent to plates, Vertical adjustment to telescope, Shifting Tripod, Improved attachment to tripod, Screws packed in box, ... \$200 00

With level to telescope, and with clamp and opp ming screws to axle, . With level clamp, &c., and arc for vertical angles, 24) 00

Graduated to read half minutes, extra, . .

These instruments are furnished with

Young's Improved Eye Piece, Slide Protector, Tangent.

Vernier reading either minutes or decimals.

W. J. YOUNG & SONS,

ENGINEERING

nstrument anufaqturens,

10. 43 North 7th St., Philada.

THE NEERS STATIONERY, TAPES, CHAINS, DRAFTING

S. R. Sciberts. W. HENDEL CULLECTION

Surveying Instruments

CALIF. STATE LIBRARY

Long centre. Two outside verniers, reading minutes or decimals.

Graduations on silver, 61/4 or 63/4 inches. Needle, 414 or 5 inches.

Vertical adjustment to releacope. Tangent to plates.

Telescope, large and powerful, either inverting or erect. Shifting triped.

Improved attachment to tripod.

Slide

instrument, with clamp and opposing screws

250 00 3 With level, clamp, &c., and arc for verrical angles, 265 00

GRADUATED TO READ 20 SECONDS OR 30 SECONDS, EXTRA,

These instruments are furnished with

Young's Improved Eye Piece, Slide Protector, Tangent.

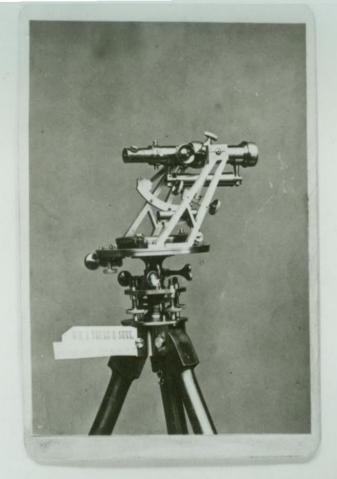
W. J. YOUNG & SONS.

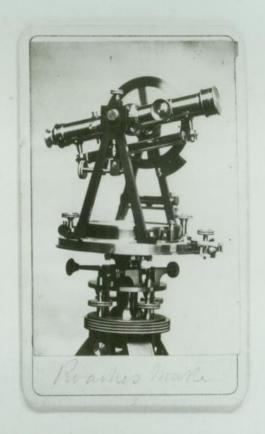
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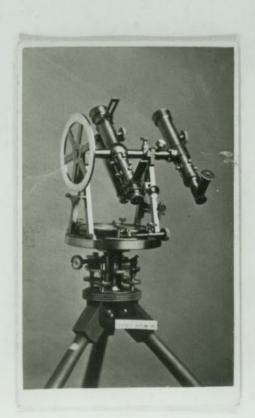
Instrument Manufacturens,

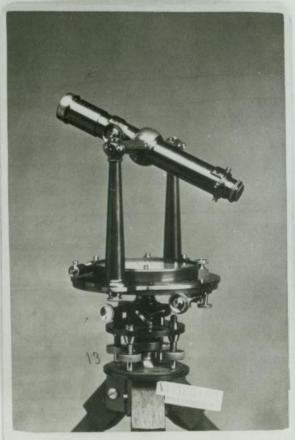
No. 43 North 7th St., Philada.

ENGINEERS' STATIONERY, TAPES, CHAINS, DRAFTING LISRARY









Juneying Instruments (Hendel Collection)
Roaches Make
photo #19

Surveying Instruments

(Alendel Collection)

photo #26 "NO. 10 transit

this instrument is designed
especially for American Engineering,
Instrument, perfection of recurrents,
as tetrable as larger of Marier

Instruments, wight without

tripod, 5 bs.

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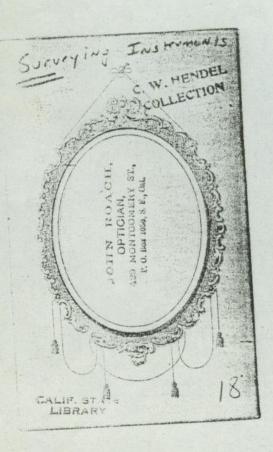
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photo #28

photo #18

Survey ins Instruents CALIF. STATE LIBRARY



TEN LB. TRANSIT.

This instrument is designed especially for American Engineering. In strength, perfection and accuracy is as reliable as larger and heavier instruments.

WEIGHT WITHOUT TRIPOD, 5 lbs. WEIGHT OF TRIPOD, 41/2 to 61/2 lbs.

Long centres. Two outside verniers, reading minutes or decimals. Graduations, 434 inches. Tangent to plates. Vertical adjustment to Telescope. Inverting eye-piece. Shifting tripod.

Screws pack in box, With level to telescope, and clamp and opposing, or tangent screws to axle, .

With level, clamp, &c., and are for vertical angles, GRADUATED TO READ 30 SECONDS OR 20 SECONDS, extra, 10 00

WITH YOUNG'S MICROMETER GRADIENTER, FOR .. 10 00

MEASUREMENT OF DISTANCES, GRADES AND DIFFERENCES OF LEVEL (including level to

13

8

W. J. YOUNG & SONS,

ENGINEERING

Instrument Manufaqturers

No. 43 North 7th St., Philada.

ENGINEERS' STATIONERY, TAPES, CHAINS, DRAFTING INSTRUMENTS. &C.

C. W. HENDEL

OITY AND TUNNEL INSTRUMENT.

Adapted especially for straight lines.

Telescope balanced, revolving in Y bearings; can be reversed in bearings Hollow pillar supports

Long centre.

Two ontside verniers, double, reading minutes or deci-mals, or one minutes and one decimals.

Graduations, 614 or 634 inches Needle, 41/2 or 5 inches. Tangent to plates.

Vertical adjustment to telescope. Shifting Tripod. Improved artachment to tripod.

Screws packed in box. Graduated to single minures.

on silver, 250 00 to twenty or thirty seconds, extra, 10 00. These instruments are furnished with

Young's Improved Eye Piece, Slide Frotector, Tangent.

W. J. YOUNG & SONS,

ENGINEERING

Instrument Manufaqturens,

No. 43 North 7th St., Philada.

ENGINEERS' STATIONERY, TAPES, CHAINS, DRAFTING INSTRUMENTS, ANEROID BAROMETERS, &C.

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