

ESTABLISHED 1840.

CONDENSED LIST

—OF—

SURVEYING



INSTRUMENTS

(VERNIER TRANSIT.)

MANUFACTURED BY

**BLATTNER & ADAM**

OPTICIANS

—AND—

**Mathematical Instrument Makers**

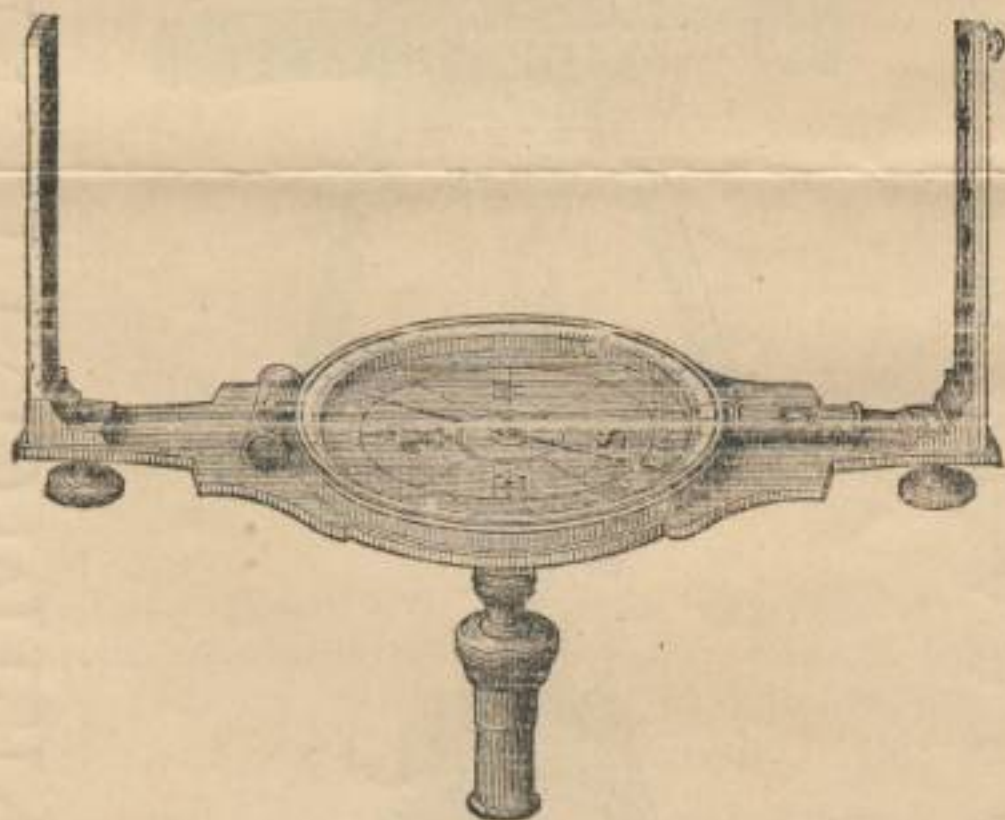
NO. 220 NORTH FOURTH STREET,

ST. LOUIS, MO.



## SURVEYORS' COMPASSES.

<i>Surveying Compass</i> ; 4 inch Needle, 12½ inch Plate, two Straight Levels, Jacob Staff mountings.....	\$30 00
<i>Surveying Compass</i> ; 5 inch Needle, 14½ inch Plate, two Straight Levels, Outkeeper and Jacob Staff mountings.....	35 00
<i>Surveying Compass</i> ; 6 inch Needle, 15½ inch Plate, two Straight Levels, Outkeeper and Jacob Staff mountings.....	40 00



<i>Surveying Compass</i> ; with Vernier (to one minute); 5 inch Needle, 14½ inch Plate, two Straight Levels, Jacob Staff mountings.....	40 00
<i>Surveying Compass</i> ; with Vernier (to one minute); 5½ inch Needle, 15½ inch Plate, two Straight Levels, Outkeeper and Jacob Staff mountings.....	45 00
<i>Surveying Compass</i> ; with Vernier (to one minute); 6 inch Needle, 15½ inch Plate, two Straight Levels, Outkeeper and Jacob Staff mountings.....	50 00

A brass cover for face of compass and a mahogany box with lock and key accompany each instrument.

### EXTRAS TO COMPASSES.

Compass Tripod, extra.....	\$ 6 00
Compass Tripod with leveling screws, clamp and tangent movement....	18 00
Compound Ball, with tangent movement, can be used with Jacob Staff or Compass Tripod.....	6 00
Adjusting Socket.....	4 00



## POCKET COMPASSES.

- Pocket Compass*, with Vernier (to two minutes); folding sights,  $3\frac{1}{8}$  inch Needle, Jacob Staff mountings..... \$18 00
- Pocket Compass*, with folding sights and Jacob Staff mountings,  
Needle  $2\frac{1}{4}$  inch \$10 00; 3 inch 12 00
- Pocket Compass*, with folding sights, plain socket,  
Needle  $2\frac{1}{4}$  inch \$8 00; 3 inch 10 00

A mahogany box with brass hooks accompanies each Pocket Compass.

## VERNIER TRANSIT

Or Transit Compass, (a Vernier Compass with Telescope in place of the ordinary sights), is by many preferred to the Vernier compass.

- Vernier Transit*; 5 inch Needle, 11 inch Telescope, with light Tripod, \$75 00
- Vernier Transit*; 6 inch Needle, 11 inch Telescope, with light Tripod, 85 00

A mahogany box with lock and key, containing Plumb bob, reading microscope, screw-driver and adjusting pins, accompanies each transit.

### EXTRAS TO TRANSITS.

- Ground Level Bubble and Scale to Transit Telescope ..... \$14 00
- Clamp and Tangent Movement to axis of Transit Telescope..... 7 00
- Vertical arch  $4\frac{1}{2}$  inch diameter, with Vernier reading to one minute.... 14 00

## SURVEYORS' TRANSITS.

- Surveyors' Transit*; plain, 12 inch Telescope, two Verniers to limb,  $4\frac{1}{2}$  inch needle, Vernier to compass plate, leveling tripod, and box for instrument..... \$165 00
- Engineers' Transit*; 12 inch Telescope, two Verniers to limb,  $4\frac{1}{2}$  inch needle, leveling tripod, box for instrument..... 165 00

EXTRAS—Same as for Vernier Transit.

~~Shifting Tripod Head, extra.....\$10 00~~

- Engineers' Y Level*; 18 or 20 inch Telescope, tripod and box for instrument..... 135 00
- Engineers' Dumpy Level*; 12 inch Telescope, with tripod and box 100 00
- Builders' Level*; 12 inch Telescope, with tripod and box..... 60 00

## SURVEYORS' AND ENGINEERS' CHAINS.

- Surveyors' Chain*, 2 poles, 50 links, No. 7, iron wire..... \$ 3 00
- “ “ 2 “ 50 “ No. 8, “ ..... 2 75
- “ “ 2 “ 50 “ No. 9, “ ..... 2 25
- “ “ 4 “ 100 “ No. 7, “ ..... 6 00
- “ “ 4 “ 100 “ No. 8, “ ..... 5 00
- “ “ 4 “ 100 “ No. 9, “ ..... 3 75
- “ “ 2 “ 50 “ No. 12, best steel wire, brazed links and rings..... 7 00



## SURVEYORS' AND ENGINEERS' CHAINS--Continued.

<i>Surveyors' Chain</i> , 4 poles, 100 links, No. 12, best steel wire, brazed links and rings.....	\$14 00
<i>Engineers' Chain</i> , 50 feet, 50 links, No. 8, iron wire.....	3 50
“ “ 100 “ 100 “ No. 8, “ .....	6 00
“ “ 50 “ 100 “ No. 12, best steel wire, brazed links and rings.....	8 00
<i>Engineers' Chain</i> , 100 feet, 100 links, No. 12, best steel wire, brazed links and rings.....	15 00
<i>Texas, or Vara Chain</i> , 20 varas, 80 links, No. 8, iron wire.....	5 00
“ “ “ 10 “ 40 “ No. 8, “ .....	2 75
<i>Marking Pins</i> , set of eleven, iron \$1 00; steel.....	1 50
<i>Timber Scribe</i> , with two blades.....	1 75
<i>Chesterman's Metallic Measuring Tapes</i> , in 10ths or 12ths, 33 ft.	2 75
“ “ “ “ “ “ 50 ft.	3 50
“ “ “ “ “ “ 66 ft.	4 00
“ “ “ “ “ “ 75 ft.	4 50
“ “ “ “ “ “ 100 ft.	5 50
“ <i>Steel</i> “ “ “ “ “ 33 ft.	7 50
“ “ “ “ “ “ 50 ft.	10 00
“ “ “ “ “ “ 66 ft.	13 00
“ “ “ “ “ “ 100 ft.	18 00

*Steel Measuring Tapes*, a superior article, pronounced by those who have used them to be better than any other tape made. Divided in 10ths or 12ths of a foot. 50 ft., \$9 00. 75 ft., \$12 00. 100 ft., \$14 00

Each tape is provided with a strong leather case.

## BOOKS ON SURVEYING.

Duncan's Surveyors' Guide.....	\$1 25; postage, 6 cts.
Gillespie's Land Surveying.....	3 00; “ 18 “
Byrne's Pocket Book for Railroad and Civil Engineers... 1 75;	“ 6 “
Henck's Field Book for Railroad Engineers..... 2 50;	“ 6 “
Haswell's Engineers' and Mechanics' Pocket Book..... 3 00;	“ 6 “
Nystrom's Pocket Book of Mechanics and Engineering.. 3 50;	“ 9 “
Trautwine's Civil Engineers' Pocket Book..... 5 00;	“ 6 “

## DRAWING INSTRUMENTS.

*Cases of Brass Drawing Instruments*.....at \$3.00, 4.00, 5.00, 7.50  
 “ *Ger. Silver* “ “ at \$3.00, 4.00, 5.50, 6.00 to 75.00

A complete stock of Drawing Paper (sheets and rolls), Tracing Cloth, Scales, Triangles, T Squares, Parallel Rules, Protractors, Field Books, Odometers, Level Rods, and every description of Mathematical Instruments always on hand.

Repairs of Instruments promptly attended to. Any style of Surveying Instrument made to order.

Complete Priced and Illustrated Catalogue sent on application.