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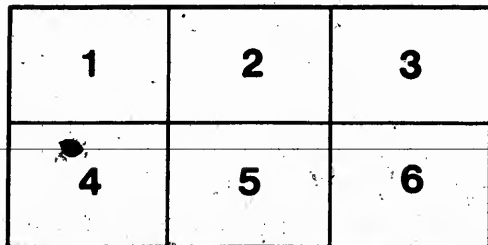
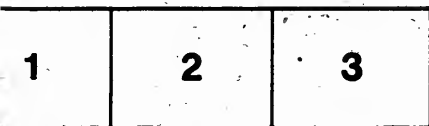
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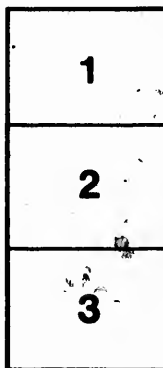
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*TORONTO, C. W.,*

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# ADVERTISEMENT.

...shing this Illustrated Catalogue, purchasers residing at  
 are enabled to know the various articles I offer for sale  
 ces thereof, and can order the same by letter from the  
 and depend upon receiving the same instrument as if  
 present. I am desirous, however, of an inspection of  
 ments, and a comparison with those of any first-class  
 American makers.

...sits and Theodolites I would direct more especial atten-  
 I believe they will be found superior to any produced  
 u this continent, and more complete and better in many  
 those usually sold by the best London makers. The  
 s and other philosophical instruments will also be found  
 the attention of parties engaged in scientific pursuits;  
 apply them on more advantageous terms than they can  
 n from any European maker of established reputation.  
 or years past been my constant aim to improve in  
 ish and efficiency the different kinds of instruments  
 ed by me; as a proof of my success, I may state that I  
 awarded the first prizes at the Provincial Exhibitions  
 1859, 1860, and 1861, every time I have competed.

...e seen that many of my prices are reduced—in most  
 English standard—but this will not be followed by  
 ion in the quality, as I employ none but skilful and  
 workmen, and every Instrument is personally exam-  
 proved, and will not be sent out if likely to injure my  
 as a maker.

A. F. POTTER.

BR (15)  
 681.412  
 P59

# THE

Best 5 inch Theodolite,  
 complete tangent  
 niens.....  
 Improved do., Fig. 1,  
 Province, with large  
 brass cap. Micros  
 attached to and m  
 vernier plate, direc  
 volving colored gla  
 glass cap, silver ref  
 polished mahogany  
 do. do. having Co

Magnetic observation  
 with much greater acc  
 pattern; and it is so d  
 other description of wor

Best 6 inch Theodolite  
 6 inch Transit Theodolite  
 6 inch Transit Theodolite  
 moving concentric  
 proved attachment  
 for illuminating cr  
 to attach to standa  
 eye-pieces with col  
 table stand, &c., th  
 strongly packed in

NOTE.—In this instr  
 will reverse both ends  
 bearing the telescope v  
 standards; the level on  
 and a striding level is

## **THEODOLITES.**

Best 5 inch Theodolite, divided on silver to 1 minute, with complete tangent screw movements, and spring verniers..... \$130 00

Improved do., Fig. 1, built extra strong for use in this Province, with large parallel plates and tripod with brass cap. Microscope to vertical arc 2 microscopes attached to and moving concentric with horizontal vernier plate, direct eye-piece inverting do. with revolving colored glasses, diagonal eye-piece and dark glass cap, silver reflector, &c., well packed in French polished mahogany case screwed together..... 150 00

do. do. having Compass with 4¼ inch needle..... 155 00

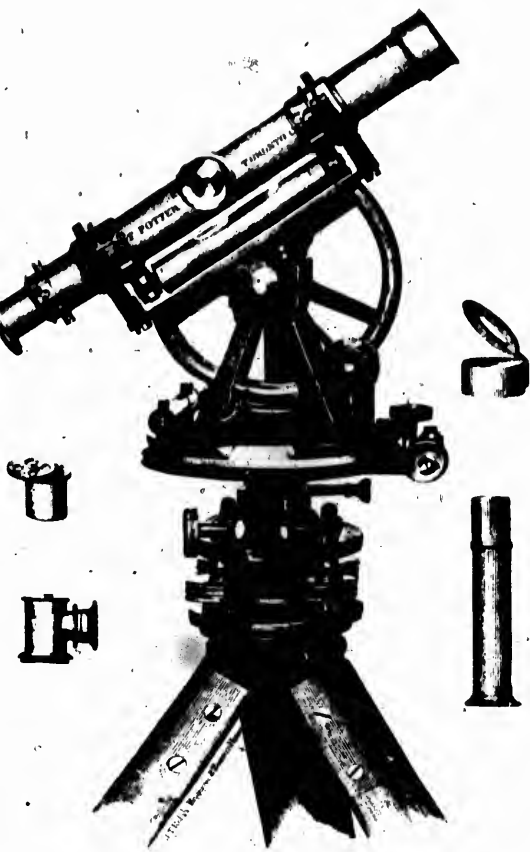
Magnetic observations can be taken with the above instrument with much greater accuracy than with Theodolites of the usual pattern; and it is so designed that it is no less efficient for any other description of work, and neither is it more bulky.

Best 6 inch Theodolite divided to 20 seconds, on silver.. 170 00

6 inch Transit Theodolite, do. do. 170 00

6 inch Transit Theodolite, Fig. 2, with four microscopes moving concentric with the verniers, and with improved attachments. Hollow axis with apparatus for illuminating cross wires at night, lamp and stand to attach to standards inverting, direct and diagonal eye-pieces with colored glasses, extra strong tripod, table stand, &c., the whole beautifully finished and strongly packed in polished case..... 200 00

NOTE.—In this instrument, the telescope which is very efficient, will reverse both ends with the short eye-piece on and the axis bearing the telescope will reverse end for end in the Y's of the standards; the level on telescope is extremely sensitive and large, and a striding level is also supplied.



**FIG. 1.**

**INSTRUMENTS CONST**

The parallel plate screw instrument mentioned pre (an advantage in cold w —bronzed with platina tion of lacquer to preser here, and like all th supplied with an adjust Engineers' Transit, (in Engineers' Transit, Fig level to telescope .

Box Sextant without to do. with teles do. artificial l

Transits or Theodoli competent workmen, un usually on hand, for sal

CC

6 inch best vernier com complete .....

5 do.

6 inch plain do.

5 do.

4 do.

Railroad Compass, 5 in

Sights made to fold

2½ inch Surveyors' Com

to.....

do: do.

Prismatic Compass, 2½

\$15 to.....

Binnacle Compasses wi

to .....

Pocket Compass in mo

do. ma

do. br

do. wa



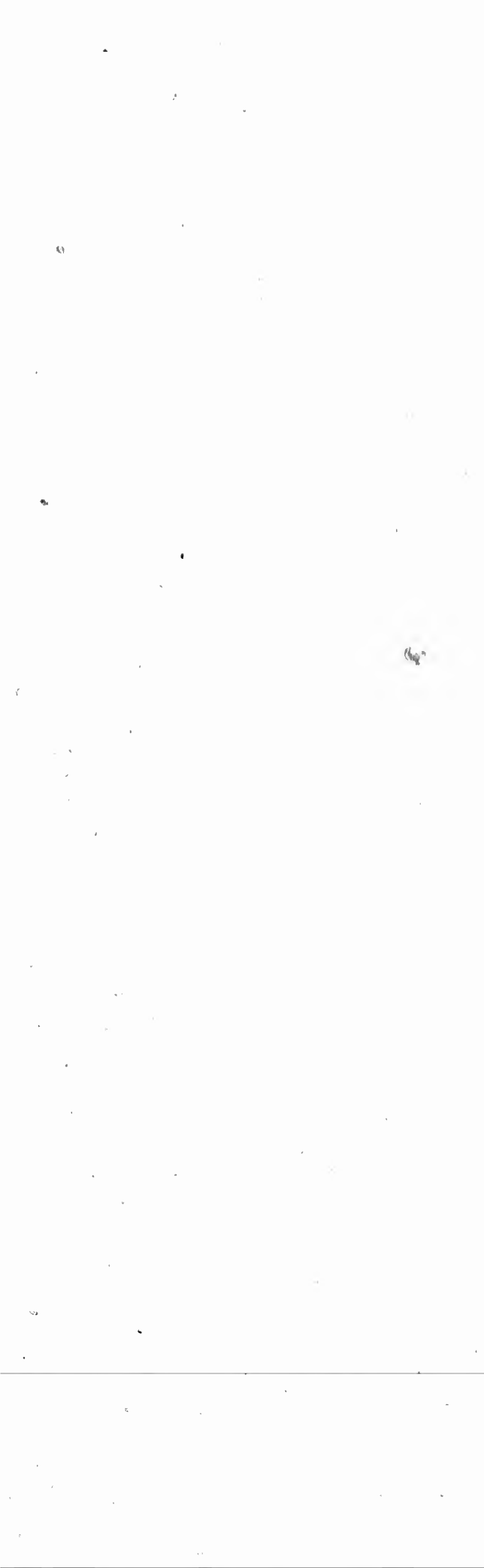
The parallel plate screws and all the milled heads are (like the instrument mentioned previously) coarsely and double or treble milled, (an advantage in cold weather) and are—unless otherwise ordered—bronzed with platina bronzo and covered with a very fine description of lacquer to preserve the metal from the action of the atmosphere, and like all the Transits mentioned in this catalogue, supplied with an adjustment to the axis.

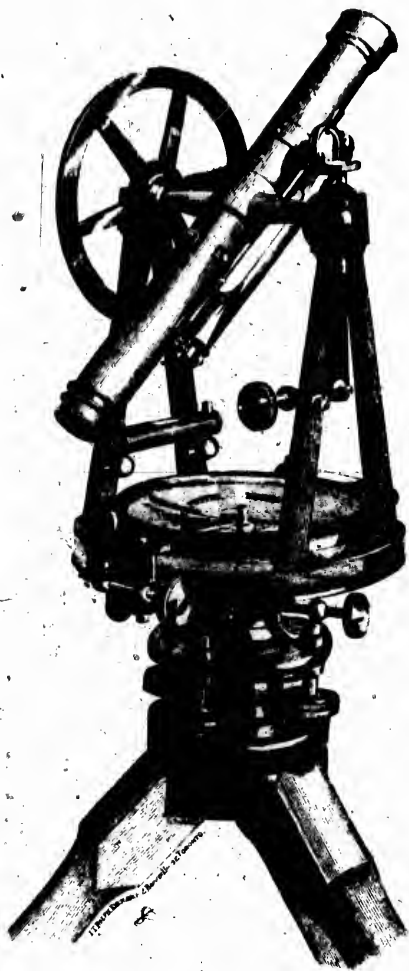
Engineers' Transit, (improved American pattern) .....	125 00
Engineers' Transit, Fig. 3, with vertical 6 inch circle and level to telescope .....	150 00
Box Sextant without telescope.....	22 00
do. with telescope .....	30 00
do. artificial horizons, \$10 to .....	25 00

Transits or Theodolites made to any required size or pattern by competent workmen, and an assortment of second hand instruments usually on hand, for sale cheap.

### COMPASSES.

6 inch best vernier compass, with ball and socket in case complete .....	\$50 00
5 do. do. do. ....	45 00
6 inch plain do. do. ....	32 00
5 do. do. do. ....	30 00
4 do. do. do. ....	24 00
Railroad Compass, 5 inch needle.	
Sights made to fold to any of the above compasses for \$3 extra.	
2½ inch Surveyors' Compass with folding sights, from \$7 to.....	10 00
do: do. with ball and socket extra, \$2 to	3 00
Prismatic Compass, 2½ inch to 4 inch card or silver ring, \$15 to.....	23 00
Binnacle Compasses with agate cap and oak boxes, \$3 50 to .....	7 00
Pocket Compass in morrocco, \$1 to .....	2 00
do. mahogany, \$1 to .....	2 00
do. brass, 75cts. to.....	3 00
do. watch form and case, \$2 to.....	6 00





**FIG. 3.**

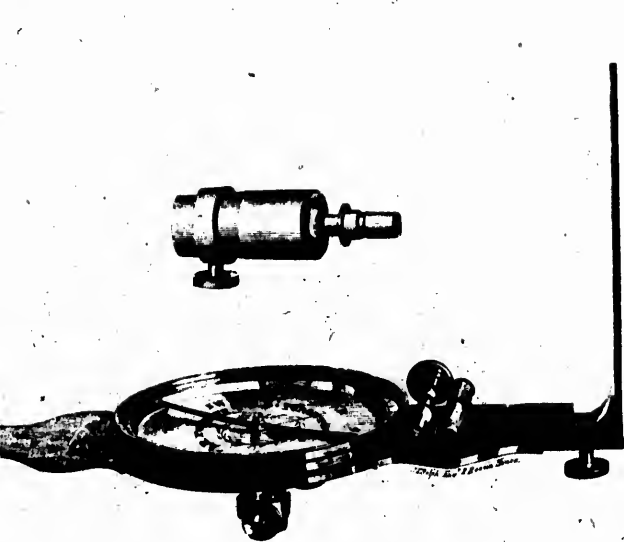
**INSTRUMENTS CONSTRUCTION**

**LEVELS**

- Y Level, Fig. 4, largest
- do. smaller
- Gravatt's 'Dumpy' Level,
- do. do.
- Farmers' Levels from
- Sopwith's improved 1-
- screwed together a
- plete .....
- 50 feet best chains, 3
- handles, marks and
- 66 do.
- 100 do.
- 50 feet Tape Measures
- 66 do.
- 100 do.
- Perambulators for meas
  
- Sets of Drawing Instrum
- do. do.
- Large Magazine cases, f
- Proportional Compasses
- do. do.
- Pillar do.
- Napier do.
- Spring bow pen, pencil,
- Ivory handle drawing p
- Railroad pen .....
- Dotting pen with box of
- Beam Compasses, \$3 to
  
- 12 inch Ivory Plotting
- 12 inch Ivory Architect
- 12 inch Boxwood Plott
- Ivory offsets, 62 $\frac{1}{2}$ , Box
- Ivory Architects' Rule

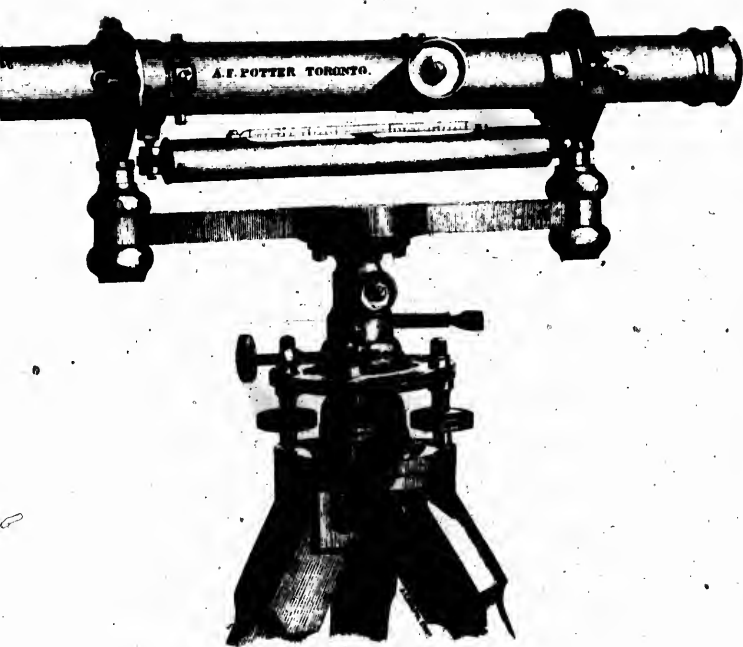
**LEVELS, &C.**

Y Level, Fig. 4, largest size.....	\$90 00
do. smaller, \$50 to .....	80 00
Gravatt's Dumpy Level, 10 inch.....	60 00
do. do. 14 inch.....	70 00
Farmers' Levels from to	
Sopwith's improved 14 feet Staff, painted divisions screwed together and strong brass mountings complete .....	15 00
50 feet best chains, 3 oval rings to each link, brass handles, marks and swivels .....	3 50
66 do. do. ....	4 50
100 do. do. ....	6 50
50 feet Tape Measures in strong leather cases.....	3 00
66 do. do. ....	3 50
100 do. do. ....	4 50
Perambulators for measuring distances, \$40 to .....	50 00
<hr/>	
Sets of Drawing Instruments of brass, 75cts. to.....	8 00
do. do. German silver, \$3 to ....	40 00
Large Magazine cases, from \$25 to .....	100 00
Proportional Compasses, German silver .....	3 00
do. do. best fully divided.....	10 00
Pillar do. do. \$5 to.....	8 00
Napier do. do. \$5 to.....	8 00
Spring bow pen, pencil, and points, set of 3.....	5 00
Ivory handle drawing pens, \$1 to.....	1 75
Railroad pen .....	2 50
Dotting pen with box of Dotters.....	3 50
Beam Compasses, \$3 to.....	8 00
<hr/>	
12 inch Ivory Plotting Scales.....	2 50
12 inch Ivory Architects' Scales .....	3 00
12 inch Boxwood Plotting Scales.....	00 75
Ivory offsets, 62½, Boxwood offsets .....	00 25
Ivory Architects' Rules, 24 inch.....	4 50



**FIG. 5.**





**FIG. 4.**

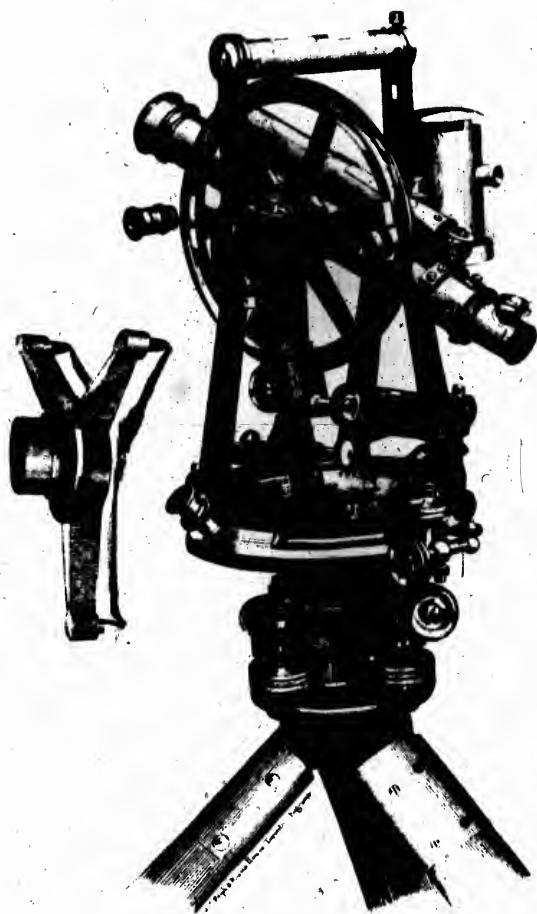
INSTRUMENTS CONSTRUCTED BY A. F. POTTER, TORONTO.

Compasses, set of, 50.....	\$6 00
Compasses, each.....	00 25
Ebony.	
Lancewood.	
Parallel Rulers, parallel inch.....	00 8
Rolling, do. ....	00 25
with Ivory edges, &c.....	00 40
Plane Edges, per foot.....	1 50
Protractor, \$1 50 to.....	2 00
Sector.....	2 50
Circular Protractor, \$3 to.....	20 00
Protractor divided to 1 minute on silver with Tangent screw movement, 2 verniers, &c....	36 00
Dividers.	
Files.	

**MICROSCOPES.**

Large compound Microscope with mechanical stage having one inch motion in opposite directions. and fine screw movements to optical part with sliding stage for holding and adjusting all the optical apparatus placed beneath the object, convex and concave mirrors and 2 eye-pieces..	\$125 00
Smaller Microscope, Fig. 6, with $\frac{3}{4}$ inch mo- tion stage, &c., but without the secondary stage.	80 00
Complete smaller Microscope, stand having $\frac{1}{2}$ inch motion to stage, and complete adjustments with convex mirrors and 2 eye-pieces.....	60 00
the above fitted as a Binocular Microscope, extra.	
the above, extra.	
Complete Microscope on brass tripods and stan- dard rack adjustments, 2 eye-pieces, 2 object lenses, condenser on stand, live box, forceps, case of tubes, glass plates packed in handsome maho- gany case.....	50 00





**FIG. 2.**



INSTRUMENTS CONSTRUCTED BY A. F. POTTER, TORONTO.

Smaller Microscope with rack adjustment, 2  
 object glasses, stage forceps, condenser  
 and live cage, glass tubes and plates in polished  
 and sunk handle..... \$35 00

Microscopes with apparatus always on hand,  
 \$12.

Microscopes in case complete, to take in micro-  
 photographs ..... 2 50  
 do. do. more complete, \$3 to 6 00

**Automatic Object Glasses for Nos. 1, 2, 3 or 4  
 Microscopes.**

Object Glass..... \$20 00  
 ..... 18 00  
 ..... 10 00  
 ..... 8 00

Object glasses will be found of first-rate excellence, although  
 so large an angle of aperture as the following.

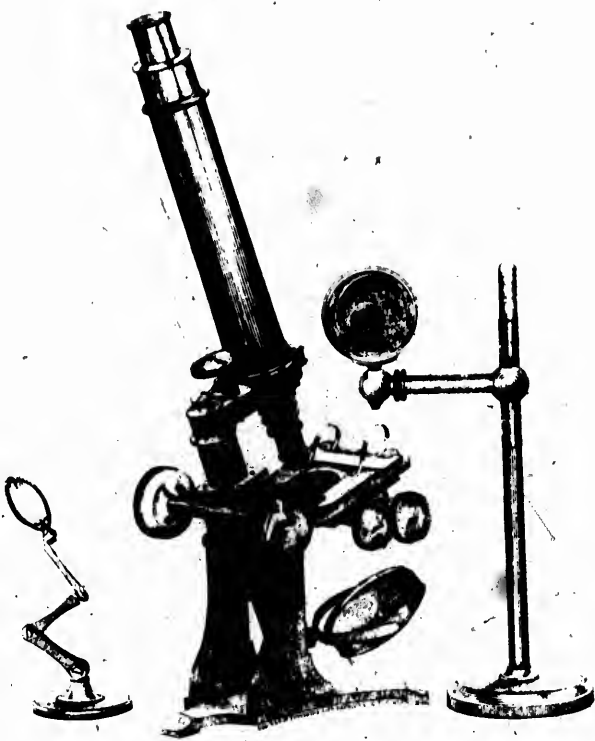
Automatic object glasses of the very best quality and largest  
 aperture.

Glasses.	Magnifying Power with the various Eye-pieces				Price.
	A.	B.	C.	D.	
.....	20	30	40	60	\$ 16 00
.....	40	55	70	90	17 00
.....	60	80	100	120	18 00
.....	100	130	180	220	25 00
.....	220	350	500	620	30 00
.....	320	510	700	910	36 00
.....	400	670	900	1200	45 00

Objectives from \$3 to ..... 10 00



FIG.



**FIG. 6.**

INSTRUMENTS CONSTRUCTED BY A. F. POTTER, TORONTO.

Apparatus for Nos. 1, 2, and 3 Microscopes.

Reflector.....	\$6 50
Obj. lens packed in brass boxes, \$2 50 to.....	6 00
Obj. lenses, A, B, C, or D, each.....	4 50
Micrometer and case.....	3 25
.....	5 00
Lucida, \$5, to.....	8 50
.....	3 50
Slide Cages, from \$1 50 to.....	4 00
Tubes.....	1 00
Prism, on stand.....	12 50
..... on stand, \$4 to.....	8 00
.....ing apparatus, \$7 to.....	14 00
..... Stage, brass.....	2 00
..... revolving Selenite Stage with Selenite.....	12 50
..... Microscopes.....	2 50
..... Microscope.....	1 75
..... Microscope Plates.....	00 30
Achromatic Condenser.....	36 00
do. do.....	12 50
..... Microscope with screw fittings.....	8 50
..... Microscope Light Modifier.....	2 00
..... Microscope Dark Wells and fittings.....	3 00
..... Microscope Accessories.....	
..... Microscope Lenses, \$2 50 to.....	3 50
..... Microscopic preparations in every variety by Topping, and the ..... best English and Continental preparers.	
..... Microscope Slides for objects.	
..... Microscope Materials and Instruments for preparing objects, including sec- ..... tioning machines, dissecting knives, thin glass and glass slides, ..... covers, cells, &c. &c.	
..... Microscope Magnifier, single.....	00 50
..... Magnifier, double and treble lenses, \$1 to.....	3 50
..... Magnifier Lenses, each.....	1 00
..... Magnifier Lens, \$1 50 to.....	4 50
..... Magnifier.....	1 00
..... Magnifier Covers, 75cts. to.....	1 50

INSTRUMENTS CON

ACHROMA

- 3 draw achromatic pos
- 3 to 8 do.
- Day or night Telescop
- Micrometer Telescop
- Opera Glasses, \$2 50
- Race or Horizon Glas
- Strong Patent Leather
- Astronomical Teles

SPECTACL

- Plain Steel Spectacles
- Fine do.
- Eye Glasses in Steel,
- Shell Frames, \$1
- Pebbles to any of th
- Gold Spectacles and

BAROMETERS, TH

- Pediment Barometer.
- do. be
- do. wi
- do. M
- Wheel Barometer, \$9
- Bourdon's do. in
- Boxwood Thermomet
- Self Register Thermo
- do. r
- Brower's Thermomet
- Chemical, Pedestal,
- Ornamental, and all ki
- Glass Hydrometer...
- Glass Saachrometer...
- Glass Urinometer in M
- Glass Alkimeter.

**ACHROMATIC TELESCOPES, &C.**

3 draw achromatic pocket or tourists' Telescope.....	\$2 50
3 to 8 do. do. do. \$3 to..	15 00
Day or night Telescopes, \$5 to .....	20 00
Micrometer Telescope for civil or military engineers, from	12 00
Opera Glasses, \$2 50 to .....	30 00
Race or Horizon Glasses, \$10 to .....	30 00
Strong Patent Leather cases and straps, for do. ..	3 00
Astronomical Telescopes supplied to order.	

**SPECTACLES AND EYE GLASSES.**

Plain Steel Spectacles.....	\$1 00
Fine do. \$1 50 to.....	3 00
Eye Glasses in Steel, Horn, India Rubber and Tortoise Shell Frames, \$1 to.....	2 50
Pebbles to any of the above \$2 extra.	
Gold Spectacles and Eye Glasses equally low.	

**BAROMETERS, THERMOMETERS, & HYDROMETERS.**

Pediment Barometer.....	\$4 50
do. better finished with Thermometer ..	10 00
do. with rack verniers, \$14 to .....	25 00
do. Marine .....	18 00
Wheel Barometer, \$9 to.....	30 00
Bourdon's do. in case, \$22 to.....	25 00
Boxwood Thermometer from .....	00 50
Self Register Thermometer, (minimum) .....	2 00
do. maximum and minimum, \$4 50 to .....	8 00
Brewer's Thermometer, \$1 to .....	3 00
Chemical, Pedestal, Bracket, Pocket, Ivory, Dental, Hydrometer Ornamental, and all kinds of Thermometers always on hand.	
Glass Hydrometer.....	3 00
Glass Saachrometer.....	3 00
Glass Urinometer in Morocco case.....	2 00
Glass Alkometer.	

INSTRUMENTS CONSTRUCTED BY A. F. POTTER, TORONTO.

Acetometer.

Oiliometer.

Phantasmagoria Lanterns and Dissolving View apparatus fitted with either oil lamps or apparatus for producing the oxyacetylene or the oxy-hydrogen light, always on hand and at the lowest possible prices. Also an assortment of painted and colored photographic views, comprising comic, scripture, historical and educational, cinematographs, fountains, lever sliders, &c., suitable for public exhibitions.

Galvanic Magnetic Machines with battery and handles, in box, \$8 50 to .....	15 00
Galvanic Electric Machines for medical use .....	12 00
do. do. 2 magnets..	15 00

Electrical Machines and apparatus.

Air Pumps and apparatus.

Bunsen & Kirchoff's Spectrum Apparatus.

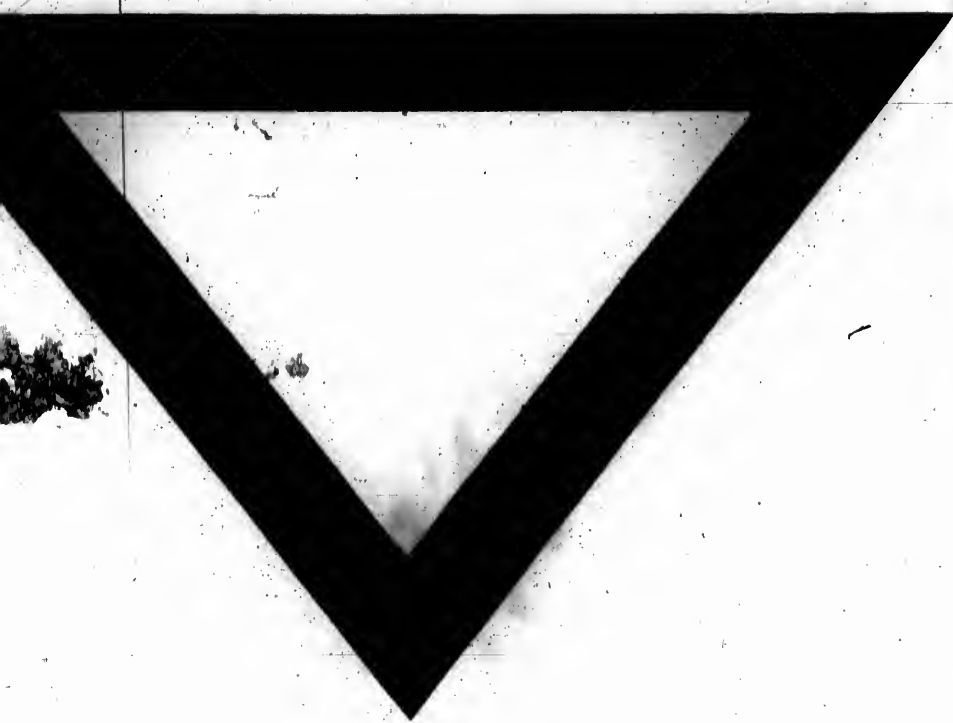
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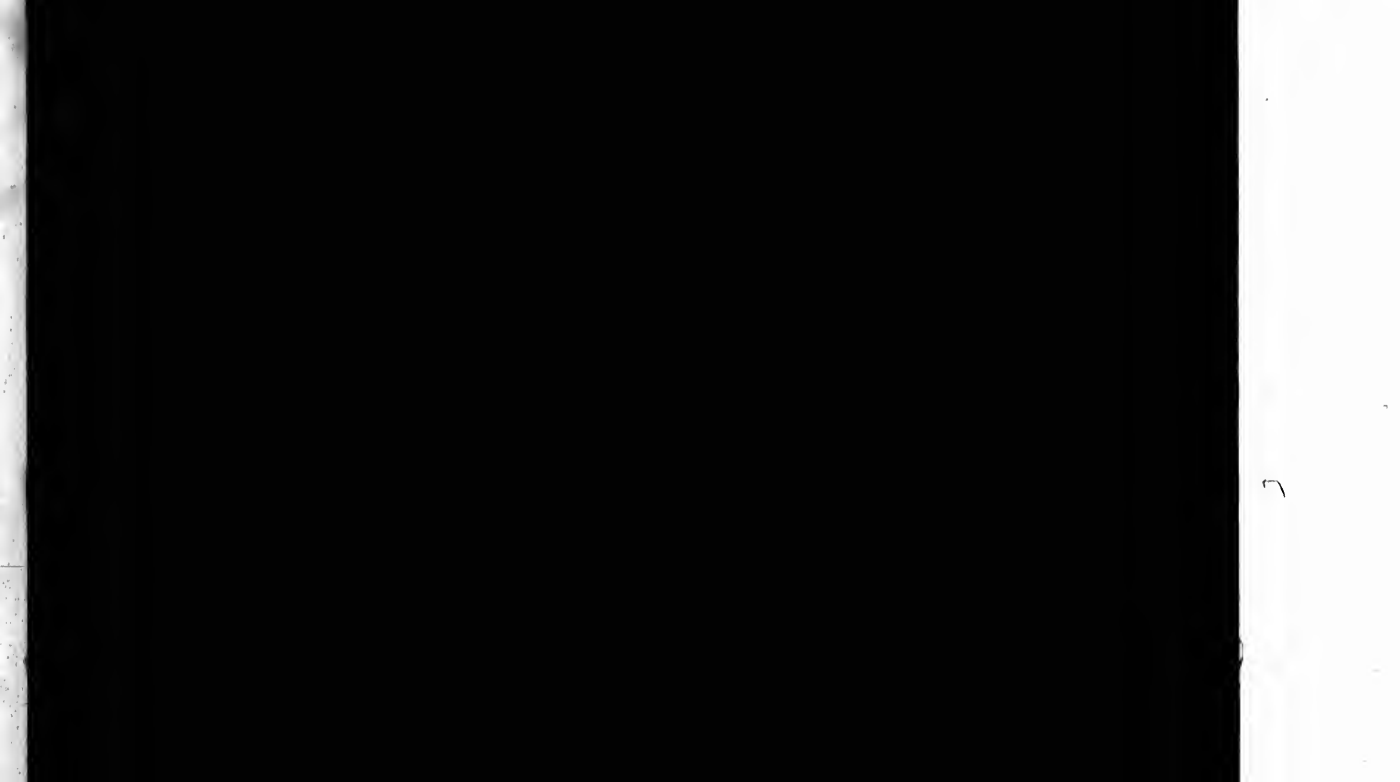
Cellurians.

Chemical Balances.

Globes, and every description of Philosophical and School apparatus made on the premises and supplied at the lowest possible prices. Also for sale, sets of Photographic apparatus of the latest construction.

Instruments requiring adjusting, alteration or repairs, will receive immediate attention at the lowest prices.





100

100

100