

JNO. A. BRASHEAR.

Allegheny, Pa. 1890.

Objectives made from the crown glass.

I presume you are aware that in this work, we are associated with Dr. Chas. S. Hastings, head of the Physical Laboratory of Yale University who is today at the head of mathematical optics in this country and his researches in the past two years have advanced our knowledge greatly in this line. indeed our work is now entirely removed from empiricism and we can give the exact form & corrections before the glass is made. Of course we make friends of study for every objective.

The prices of our objectives in cells are as follows, - as per your request

3 ⁴ -	50 \$	11 in	1400 \$
3 ^{1/2} ..	70 \$	12 in	1875
4 ..	100 \$	13 in	2375
4 ^{1/2} ..	125 \$	14 in	2950
5 ..	175 \$	15 in	3550
6 ..	325 \$	16 in	4350
6 ^{1/2} ..	400 \$	18 in	5800
7 ..	500 \$	20 in	8200
7 ^{1/2} ..	625 \$		
8 ..	750 \$		
9 ..	875 \$		
10 ..	1050 \$		

We make positive and negative eye pieces at 50c each
 In all powers from 15x to 24x equivalent focus. Solid eye pieces ranging from 8x to 12x according to power.
 Triple lens wide field from 10x to 15x each

diagonal 18" with one in. prism, 18" with $1\frac{1}{4}$ in
prisms, the prisms are all worked accurately plane
and are of Yena glass.

Our Polarizing Helioscope Eye piece
is perhaps the best form made. It cost 50¢
with ordinary form of brushing to fit telescope
If extra brushing is needed, it is made at
cost, $\frac{1}{2}$ in face direct vision eye piece spec-
trocopes 25¢.

We make Telespectroscopes from
200¢ (with diffraction gratings & prisms) to \$2500

We are just commencing on one
of the finest Spectroscopes yet built, for
Prof Chas a Young, Princeton Observatory, in
fact we are now building nearly all the
Spectroscopes in the U.S. Have just comple-
ted the 2^d Spectroscope for Lick Obs. (we made
the great Spectroscope) and we are now building
beside the Princeton, a fine Spec. 2 for Carle-
ton College Obs. & one for Vassar College Obs.

While I never solicit work, - as it comes
faster than I can do it - I am always glad to do
anything I can for the furtherance of our beloved Sci-
ence, as a mere living figure. You know what
wages means here, so we cannot compete with foreign
work, in some particulars. But we can keep up the
standard of our work to the highest, & so we never want for
orders, they are now many months in advance of us. I shall
always be glad to give you any further information by Corlies & S. Parker