

# Just arrived



ANNOUNCING THE BIRTH  
OF A NEW IDEA  
IN SHUTTER CONSTRUCTION

## Betax, Gammax and Deltax Shutters



Note the unusual simplicity of mechanical parts. The little wheel shown at the bottom is not a gear but an escapement wheel that makes only a partial revolution.

WHILE there have been many changes and improvements in other photographic apparatus in recent years, there have been no fundamental changes in the mechanical construction of shutters. This state of affairs does not indicate that perfection had been reached for the ideal shutter should possess a variety of *accurate* speeds, simplicity of mechanism and exactness of exposure—a combination that has been heretofore unobtainable.

The Wollensak organization has achieved marked success in the manufacture of shutters in the two decades that it has been in business. Yet we have recognized the need of a fundamentally different mechanism that would give the

## —Shutters of "Xact Xposure"

desired combination of qualities.

As a result of extensive experiments, we have developed a new line of automatic shutters which incorporates an entirely new mechanical principle. No gears nor pumps are employed but the shutter speeds are governed by a retarding device, similar to an escapement wheel on a watch, which gives an extreme accuracy of exposure. The elimination of air pumps, gears and complex mechanism insures exceptional reliability.

Accuracy of speeds, simple and sturdy mechanical construction, and attractive, durable finish make these shutters a most desirable equipment. When you purchase a hand camera or



External finish of the new shutters is just as attractive as the internal mechanism is accurate. All shutters black lacquered with gold engraving.

a lens, insist on the new Wollensak shutters of "Xact Xposure" and insure the satisfaction that only a reliable shutter can give.

These three shutters are similar in mechanical construction, differing only in sizes available and variety of speeds.

No.	Light Aperture	Betax	Gammax	Deltax	Automatic Speeds (besides T. and B.)
0	$\frac{9}{16}$ inch		\$4.00	\$3.50	Betax: $\frac{1}{100}$ , $\frac{1}{50}$ , $\frac{1}{25}$ , $\frac{1}{10}$ , $\frac{1}{5}$ , $\frac{1}{2}$
1	$\frac{3}{4}$ inch	\$ 8.00	5.00	4.50	Gammax: $\frac{1}{100}$ , $\frac{1}{50}$ , $\frac{1}{25}$ , $\frac{1}{10}$
2	1 inch	9.00	6.00		Deltax: $\frac{1}{100}$ , $\frac{1}{50}$ , $\frac{1}{25}$
3*	$1\frac{3}{8}$ inch	12.00			
4	$1\frac{3}{4}$ inch	15.00			
5	$2\frac{1}{4}$ inches	18.00			

\* Ready Dec. 1, 1921

WOLLENSAK  
Optical Company



ROCHESTER  
New York