

• The above photograph has been enlarged eight times, yet the smallest detail is accurately and faithfully reproduced from the original negative. Notice the sparkle and brilliance of the highlights . . . the crisp definition that extends to every corner. This is the kind of all-over sharpness you can demand and expect with a Wollensak Raptar Enlarging Lens.

RAPTAR is not a formula or construction, but a standard representing the highest quality in lens performance and optical design.

✓ **DEFINITION**—High resolving power without sacrifice of contrast—ability of the lens to separate images of closely spaced lines determines brilliance and clarity of your enlargements. Extreme flatness of field found in Raptar Enlarging Lenses, eliminates fuzzy, out-of-focus corners.

✓ **CONTRAST**—In a negative, internal reflections and flare affect highlight areas most. WOCOTING plus careful correction of Enlarging Raptars prevent dulling of highlights.

✓ **COLOR PURITY**—Raptar's precise color correction of lateral chromatic aberrations means excellent color register on your enlargements. Without such correction, various colors would magnify to slightly different degrees, causing color fringes.

✓ **LIGHT TRANSMISSION**—Even distribution of light over the entire print results in corners as carefully and accurately lighted as the center of the enlargement.

✓ **FOCAL LENGTH**—Various focal lengths permit equally fine definition and sharp reproduction overall, from miniature negatives $1\frac{1}{4} \times 1\frac{1}{8}$ to 8×10 .

✓ **WOCOTE**—Each Enlarging Raptar is specially treated with this Wollensak anti-reflecting hard coating to eliminate light reflections or flare from lens surfaces. The symbol \mathbb{C} on every Raptar lens is your guarantee of greater contrast and brilliance.

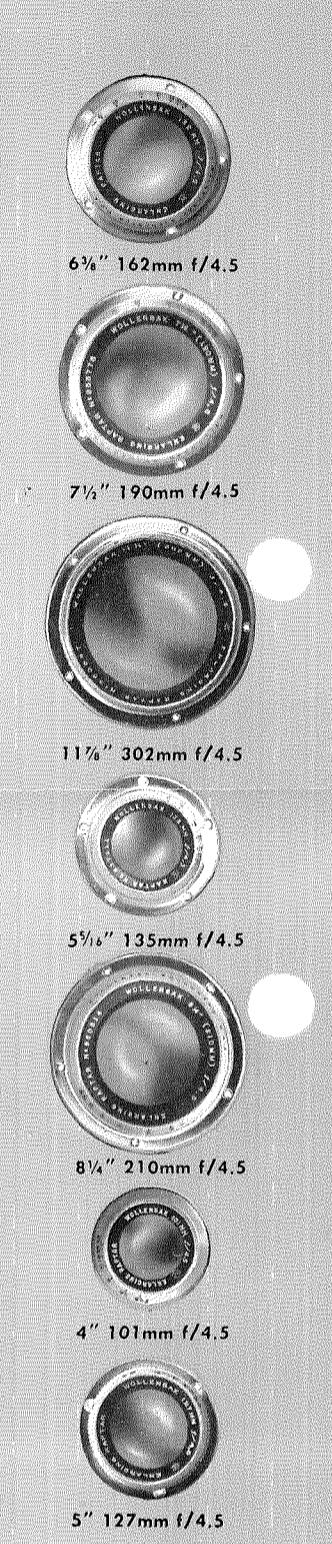
RAPTAR

ENLARGING LENSES

Series f/4.5

Only by using a specific lens designed for a particular job can near-perfection in photographic reproduction be achieved. A lens which gives entirely satisfactory camera results may not be equally as good for use as an enlarging lens. The camera lens is designed for versatile recording of any image from closeup to infinity, with sufficient depth of field. The enlarging lens, however, is designed specifically for a flat field at short range to project *from* a flat surface *to* a flat surface.

Since an enlarging lens is usually focused by visual inspection of the projected image, it is important that chromatic aberrations be exceptionally well corrected. Light should be distributed evenly over the entire print surface, with corners as fully lighted as the center portion of the enlargement. High resolving power without sacrifice of contrast produces overall sharp enlargements.



For many years, Wollensak Enlarging Lenses have been first choice with men who have made photography and photogravure their life work. Today, with new improvements to assure finer, more accurate results, Wollensak Raptar Enlarging Lenses continue to maintain their outstanding reputation for highest quality.

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RAPTOR ENLARGING LENSES FOR SPARKLING PRINTS . . .

YOU SHOULD KNOW THIS STORY ABOUT LENSES

The use of Wollensak lenses by leading camera manufacturers and by millions of amateur and professional users is proof of Wollensak superiority. Here are some of the factors behind the excellence of Raptar camera and enlarging lenses:

1. Experience of more than fifty years in a field where master craftsmen are developed only through years of apprenticeship.
2. Quality control and rigid inspection *throughout* production, with final resolution and contrast tests.
3. Careful selection of highest quality materials from Wollensak's large stockpile of raw glass permits adherence to critical qualities included in original lens designs.
4. To meet rigid tolerances unsurpassed in the optical field, special tools are designed and built at Wollensak for particular requirements of a specific lens.
5. Precision mounting of lens elements in the lens barrel is as vital as lens quality itself to assure fine lens performance.
6. Wocoting—a long-lasting hard coating improved by Wollensak for utmost reduction of internal reflections and flare.
7. Consistency in uniformity—All Raptar lenses have the same high standards of performance.

SPECIFICATIONS RAPTOR ENLARGING f/4.5 (Wocoted)

Catalog Number	Equiv. Focus		Film Size	Mounting	List
	Inch	MM			
710	*2	50	1 1/4 x 1 1/8	In No. 1 Iris Diaph. Barrel	\$26.50
711	*3	75	2 1/4 x 2 1/4	In No. 1 Iris Diaph. Barrel	29.00
712	*3 1/2	90	2 1/4 x 3 1/4	In No. 1 Iris Diaph. Barrel	30.00
713	*4	101	2 1/4 x 3 1/4	In No. 1 Iris Diaph. Barrel	35.00
714	*5	127	3 1/4 x 4 1/4	In No. 2 Iris Diaph. Barrel	42.50
715	*5 1/8	135	4 x 5	In No. 3 Iris Diaph. Barrel	45.00
716	*6 1/8	162	4 x 5	In No. 4 Iris Diaph. Barrel	60.00
717	7 1/2	190	5 x 7	In No. 5 Iris Diaph. Barrel	82.50
718	8 1/4	210	5 x 8	In No. 6 Iris Diaph. Barrel	125.00
719	9 1/2	241	6 1/2 x 8 1/2	In No. 6 Iris Diaph. Barrel	160.00
720	11 1/8	302	8 x 10	In No. 7 Iris Diaph. Barrel	215.00

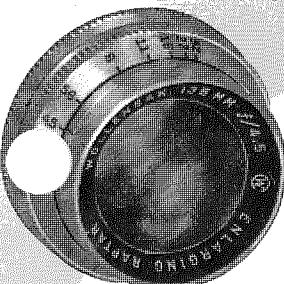
*Supplied with click stops.

Wollensak
OPTICAL COMPANY
ROCHESTER 21, N. Y.

Form No. 700—5M9531H

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RAPTOR



RAPTOR ENLARGING LENSES

for professional and
amateur use

Wollensak