

**NO. 28. CARL ZEISS OPTISCHE
WERKSTÄTTE
JENA: MICROSCOPES AND
MICROSCOPICAL ACCESSORIES**

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No. 28. Carl Zeiss Optische Werkstätte Jena: Microscopes and Microscopical Accessories by Various

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VARIOUS

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1889.



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Every article specified in this Catalogue will be supplied singly or otherwise at the prices subjoined.

The price of completely fitted Microscopes is in all cases the sum-total of the individual items.

Payment must be made in ready money without discount, either in cash or bills drawn upon a chief town in Germany, cheques drawn upon English banks also accepted.

Goods are forwarded, value declared, at the risk and cost of the receiver—foreign orders are despatched by the shortest route and with every precaution.

It is requested that the name and destination be plainly written in all orders and, to prevent any mistakes, please quote the number or date of this Catalogue.

Jena, 1889.

Carl Zeiss,
Optische Werkstätte.

A selection of completely fitted Microscopes for the most varied requirements will be found at the end of this List.

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Those pieces of apparatus indicated by an asterisk are such as have originated in our factories, i. e. either introduced by us as absolutely new or, at any rate, first made by us in the manner here described.

Objectives and Eye-pieces.

Since the publication of our last catalogue in 1885 a considerable advance has been made in the optical equipment of the microscopes constructed in our factories. The technical glass factory established here with our cooperation, after years of experiment and research by D^r SCHOTT and Prof. ABBE, has produced a series of new glasses (borate and phosphate glass in particular) for optical purposes, which in refractive power and colour dispersion greatly excel the ordinary crowns and flints. By the use of this material and the application of new formulæ in the construction of the lenses, since the year 1886 we have produced microscope objectives which possess a considerably more perfect correction both of chromatic and spherical aberration, and therefore a much greater concentration of light in the image, than has hitherto been attained. For special use with these objectives we have likewise introduced eye-pieces of new construction which, in addition to other advantages, give almost perfect achromatism and sharpness of image over the whole visual field.

These new productions, first brought out in August 1886 under the designations Apochromatic Objectives and Compensating or Projection Eye-pieces, have since become widely known and universally accepted. During

Carl Zeiss, Optische Werkstätte, Jena.