

QUALITY IN MICROSCOPES.

The remarkable progress made in microscopes during the past few years is well shown in the Voigtlander instruments. No other microscopes so closely approximate the essential scientific requirements of quality and optical efficiency. The most accurate and satisfactory work is assured by the use of these high grade instruments, and physicians and laboratory workers who are using them are gratified in a ratio to correspond with the eminently pleasing character of the results secured. All the latest and most useful improvements are utilized, and the various stands represent the perfection of mechanical skill and workmanship.

Those who contemplate buying a microscope should not fail to investigate the various Voigtlander models before purchasing. Their general superiority will be immediately apparent, and, in daily use, their ease and accuracy of adjustment, together with their optical powers and clarity, will prove a constant source of congratulation.

The catalogues mentioned in the Voigtlander advertisement in this issue will be found instructive and interesting, and will be sent free to physicians on request by Voigtlander & Sohn, A. G., Optical Works, 225 Fifth Avenue, New York City.

POST HEMORRHAGIC ANEMIA.

The anemia which follows the hemorrhage of trauma, gastric or intestinal ulcers, severe epistaxis, child birth, profuse menstruation or hemorrhoids presents a clinical picture that is so well-known that it requires no description.

Examination of the blood immediately after a severe hemorrhage usually shows no apparent change in its number of corpuscles, for the portion lost withdrew the blood as a whole, and the portion remaining in the body, while decreased in volume, will be found to contain a normal ratio of the fluid and cells. Shortly after a hemorrhage, however, the tissues of the body give up large quantities of fluid to restore the necessary volume of the blood and a condition of true hydremia ensues. Examination of the blood three or four hours after a severe hemorrhage, therefore, shows a very marked oligocythemia. Reconstruction must now take place and the response to the bodily demand is sometimes remarkably prompt, but in most instances it is a hard up-hill fight. This is to be expected, for the disproportion between the cells and the fluid elements of the blood, and the essential depression of all vital functions, makes recuperation a difficult process at best.