and the products of the latter. The true ed. substance of the cornea is invaded and the numbers, and finally repair sets in. When infiltration may extend half way through that begins the peri-corneal blood vessels, the thickness of the substantia propria. whose capillaries apparently ended at the For several weeks this state of things may limbus, project small delicate processes into remain substantially unchanged, the remedies applied or the vitality of the tissues, or ulcerated spot and repair goes on here both forces working together, retarding the pretty much as it does in other situations, progress of the disease.

No new deposits of leucocytes are form-stage is represented in Fig. 3.

The active germs do not increase in the substance of the cornea towards the with much the same results. This third

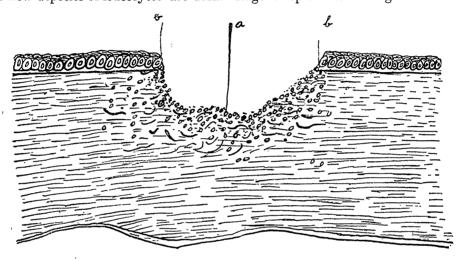


Figure 2. Second stage of simple corneal ulcer. The edges of the ulcer are at b b, where the epitheleum and anterior elastic lamina end. The bottom of the excavation, a, is covered with tissue debris.

have been absorbed into the corneal lymph- vessels disappear and the hiatus cornea atic spaces whose contents finally empty is filled by connective tissue. In other into the pre-auricular lymph stream. When words the sub-epithelial layer (of Bowman)

The outlying collections of round cells repair is complete (as in Fig. 4), the new

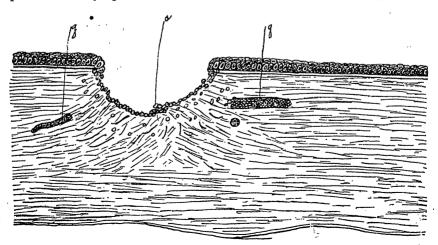


Figure 3. (After Saemisch.) Section of corneal ulcer. Beginning repair. The proliferating epithelium has covered the bottom of the ulcer a. New blood vessels have been cut through at g.