

DOUBLE PURPOSE INSTRUMENT FOR KERATOPLASTY

NEW HANDLE FOR RAZOR BLADE KNIVES:
MANNER OF PREPARING THE BLADES

IMPROVED NEEDLE HOLDERS

MOTORIZED INSTRUMENT FOR DACRYOCYSTORHINOSTOMY
AND CATARACT EXTRACTION BY SUCTION

NEW DOUBLE-BLADED KNIFE FOR KERATOPLASTY
AND OTHER SURGICAL PROCEDURES

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DOUBLE PURPOSE INSTRUMENT FOR KERATOPLASTY

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MORE than fifteen years ago I developed a double spatula to be used for keratoplasty. The instrument was never reported separately, but an illustration of it appeared in an article published in 1941.¹ One end of the instrument was an iris repositor and was used mainly to handle the iris and to even the tension of the sutures after they were tied. The other end was wider, resembling the flat spoon used for cataract surgery and measuring approximately 5 by 7 millimeters. This spoonlike portion of the instrument was used to lift and hold the corneal graft. At the time the above-mentioned instrument was described, the average graft used varied from 5.0

a much larger graft carrier seemed to be required. The present instrument was developed to handle grafts as large as 11.5 millimeters in diameter.*

One end of the new instrument retains the same iris repositor (B) described in the previous model. The other end is circular (A), has a flat fenestrated plate 12 millimeters in diameter. Along the edge of the plate a ridge rises 2 millimeters, with openings in opposite ends 5 millimeters wide. The graft, once dissected, is deposited in this graft carrier where irrigation with antibiotic solutions and other manipulations, such as inserting sutures, etc., can be carried out before placing the graft in the recipient's eye.

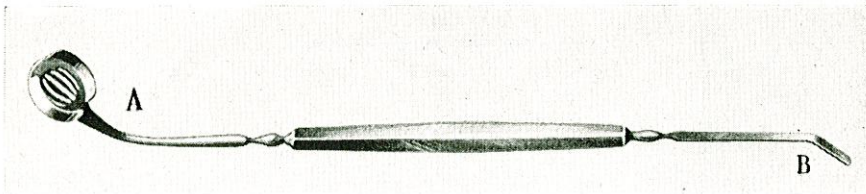


FIGURE 1.

to 6.5 millimeters and the size of the graft carrier was adequate.

During the past few years, with the use of much larger grafts such as those employed for total lamellar and total penetrating keratoplasties, which measure up to 11.5 millimeters in diameter,

The fenestrations in the plate and the two openings in the ridge surrounding the plate serve to drain the irrigating fluids poured onto the graft.

REFERENCE

1. Castroviejo, Ramon: Keratoplasty: comments on the technic of corneal transplantation; source and preservation of donor's material; report of new instruments, *Am. J. Ophth.*, 24:7 (Jan.) 1941.

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* Manufactured by E. B. Meyrowitz Surgical Instrument Co., Inc., 520 Fifth Ave., New York.