

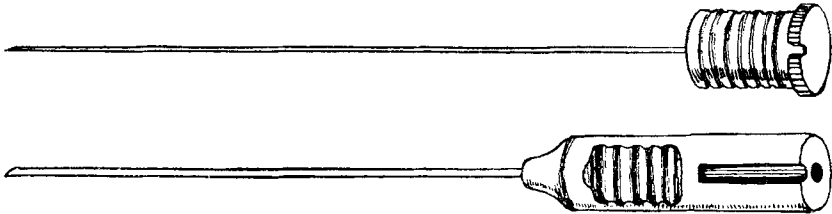
## SHORT ARTICLE.

### A LUMBAR PUNCTURE NEEDLE FOR BACTERIOLOGICAL WORK.\*

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THE needle which is here described has been designed to avoid the contamination of cerebro-spinal fluid by the hands of the operator. The stilette is mounted in a guard which, when the stilette is in the cannula, completely covers and protects the aperture of the cannula from contamination. The instrument is sterilised in boiling water in the usual way with the stilette in position. The needle with



the stilette still in position is inserted in the usual manner. The handle is serrated to afford a convenient grip for the fingers. When the point of the needle has entered the theca, the stilette is withdrawn and the fluid is allowed to escape through the aperture, which, up till the time when the stilette is removed, has been protected by the guard. The aperture has been calibrated to fit a "Record" syringe, so that serum can be injected. The instrument was made for me by Messrs Mayer & Phelps, 59/61 New Cavendish Street, London, W. 1.

\* Received March 15, 1922.