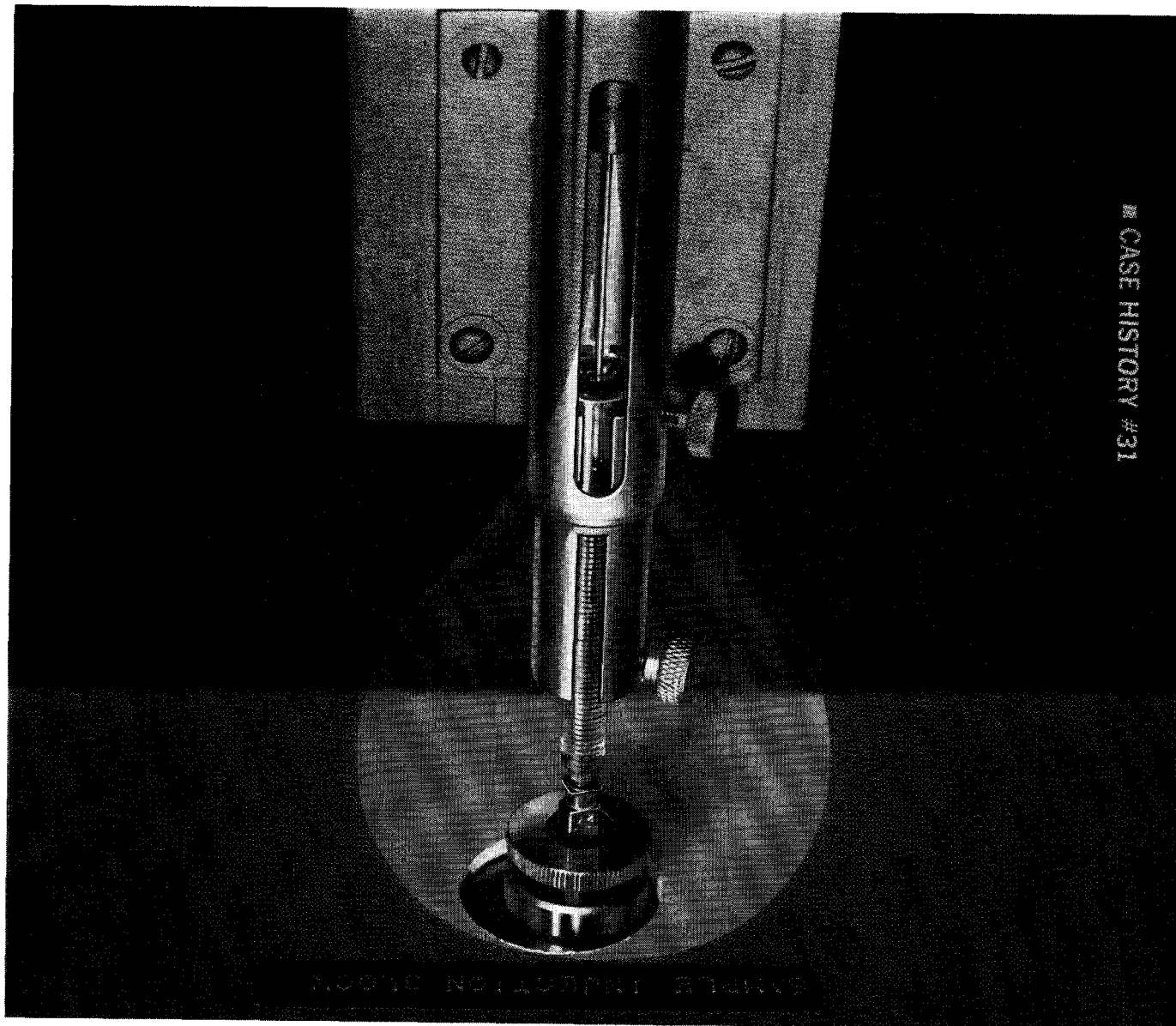


CASE HISTORY #31



"...a constant delivery rate of 0.843 μ l per minute"

The University of North Carolina recently developed a unique application for a Hamilton Gas Tight Syringe which permits the use of the frontal technique in gas-liquid chromatography. The syringe is used in conjunction with a synchronous motor and linear screw, to introduce a liquid sample at a constant rate into a moving gas stream. The 2 rpm motor turns a precision lead screw (52 threads/inch) which drives the plunger of the 50 μ l syringe resulting in a constant delivery rate of 0.843 μ l per minute. This corresponds to approximately one drop per hour! In science and industry, as well as education, research people have discovered that they can depend on Hamilton for precision measuring equipment. **Hamilton manufactures a complete line of precision syringes from a capacity of 0.5 μ l to 50 μ l and other related chromatograph equipment.**

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