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54 **Pipette.**

57 The present invention solves the problem of working out a design of a plain pipette which serves for drawing in, pipetting and dispensing the fluid of a strictly specified volume and which is characterized by a high repeatability of results.

The said pipette consists of a round casing /1/ being simultaneously a handle thereof, whereto, via a round nut /2/, there is fitted a multi-step shank /3/. Inside the body of casing /1/, there is a plunger /4/, being in the form of a multi-step rod, which is being displaced downwards with the aid of a press means /16/ and of a round arbor /15/, contrary to the force being exerted by a lift-up spring /13/ which makes plunger /4/ return to its initial position. Furthermore, inside the body of casing /1/, centrally in the symmetry axis of the pipette, directly under press means /16/, there is a calibration unit comprising a multi-step calibration sleeve /19/, which is blocked from the top by a hold-down element /24/, being screwed into the body of casing /1/, inside whereof there freely slides an arbor /15/ being connected to press means /16/.

The end of arbor /15/ is placed inside an elongated sleeve being a push rod /14/, which from the top rests with its flange upon the face of a stop /20/ being screwed into the internal thread of calibration sleeve /19/.

From the top, upon the flange of push rod /14/, the pressure is being simultaneously exerted by a blow-out mechanism spring /22/, which from the top rests upon a washer /18/ being blocked by a ring /17/. The lower part of push rod /14/ gets in contact with a plunger's flange /10/, whereas between plunger's flange /10/ and the end of arbor /15/ there is a narrow slot /23/.

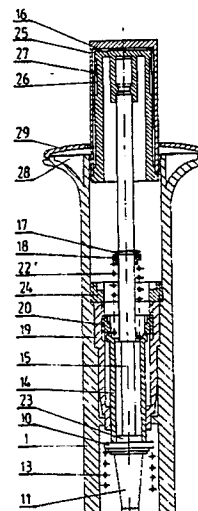


Fig. 2

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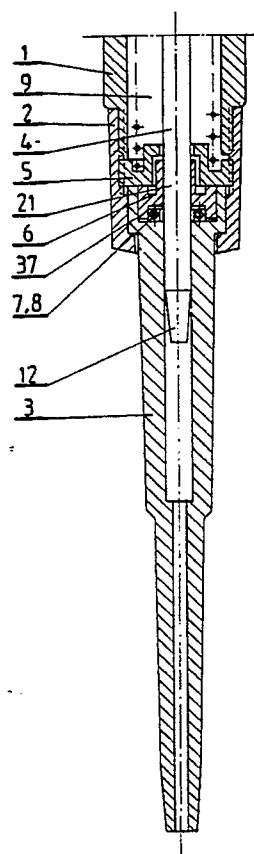


Fig. 3



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	FR-A-1 209 592 (H. SCHNITZGER) * Page 2; figure 1 * ---	1	B 01 L 3/02
A	US-A-4 096 751 (S.J. WITHERS et al.) * Figures 3,4; column 4, lines 38-46; column 5, line 56 - column 6, line 20 * ---	1,2	
A	EP-A-0 181 957 (MEDPLAST GmbH) * Figure 1; page 23, line 16 - page 24, line 7; page 25, line 23 - page 26, line 27 * ---		
A,D	US-A-4 009 611 (G.W. KOFFER) * Figure 3; column 3, line 58 - column 4, line 20 * -----	1,4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 01 L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 03-07-1990	Examiner HOCQUET A.P.E.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	