

LIQUID PUMP DISPENSER

ABSTRACT OF THE DISCLOSURE

A miniature pump sprayer has its pump cylinder (11) mounted within a rigid vial (12) and throttles product during pumping through a resilient disc valve (35, Fig 2) or spring valve (48, Fig 7). A coaxial rod (24) within a hollow piston plugs into a hollow tube (17) extending toward the rod within the cylinder for valving the inlet closed during each pressure stroke of the plunger (19).

Fig. 2