TITLE OF INVENTION: MEDICAL PUMP

ABSTRACT

A pump for treating a patient is disclosed that includes a spring-biased plunger biased toward actuation against a tube; a cam shaft configured to actuate the spring-based plunger; a lever actuatable between a closed position and an open position; a shaft coupled to the lever, the shaft having a central axis centrally along the length of the shaft, the shaft coupled to the lever to rotate around the central axis in accordance with actuation of the lever; and a lift cam pivotally coupled to the shaft, wherein the lift cam pivots around a lift cam axis, the lift cam axis of the lift cam is parallel to the central axis of the shaft, and the lift cam engages with the spring-based plunger to lift the spring-biased plunger off of the cam shaft as the shaft rotates in accordance with actuating the lever to the open position.

[Fig. 1]