



## An Investigation of the Air Lift Pump Volume 6, Nos. 1-7 (Paperback)

By George Jacob Davis

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1914 Excerpt:  $p_x$  = the loss of pressure, in pounds per square inch, when discharging against the pressure  $p_t$  in the foot-piece,  $v_a$  = the velocity of air in the pipe, in feet per second, when discharging into the atmosphere,  $v_x$  = the velocity of air in pipe, in feet per second, when discharging against the pressure  $p_i$ ,  $q_a$  = the volume of free air discharged, in cubic feet per second,  $q_x$  = the volume of air at pressure  $P_i$ , in cubic feet per second,  $r$  = the ratio of compression in atmospheres, the following proportion may be written:  $p_x : v_l r :: p : v_l r$  Taking  $r_a$  as 1, when discharging into the atmosphere, we have  $x v - q - q r a a x$  Hence it was only necessary to divide the loss as taken from the curves in Fig. 19 by the ratio of compression, in order to...



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