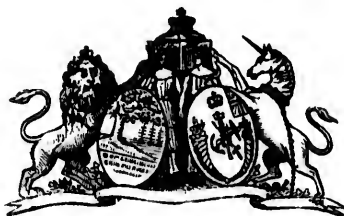


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A. D. 1849.—(CANADA.)—No. 265.

A Re-action Pump.

LETTERS PATENT to John Winger, Village of Berlin, District of Wellington, Pump Maker, for the Invention of "A RE-ACTION PUMP."

Montreal, dated 28th September, 1849.

BRIEF DESCRIPTION.

Water is drawn by the action of the pump-handle upwards as well as downwards. Across the lower pipe is placed a horizontal one from which rise two others, to which the lower valves are fastened, from these latter rise two copper pipes, in which the two upper valves work. There are two rods attached to a double lever at their upper ends, and to the upper valves at their lower ends, and crossing each other about midway. The pipes or tubes mentioned may be made of any dimensions, and of wood or metal. The advantage gained by the above invention is, that water will be obtained either by the elevation or depression of the pump-handle, and a discharge, in the same time, of about double in quantity to that yielded by the old method.

JOHN WINGER.
