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A. D. 1849.—(CANADA.)—No. 261.

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*Improved Churn, called the "Propeller Churn."*

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LETTERS PATENT to Peter Row Higley, of Oshawa, Township of Whitby, in the Home District, for the Invention of an "IMPROVED CHURN, CALLED THE 'PROPELLER CHURN.'"

Montreal, dated 30th August, 1849.

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BRIEF DESCRIPTION.

The body of the churn is composed of staves and hoops, in the usual manner. Two staves at opposite sides rise above the others, between which is a cross piece in which the top of an upright shaft in the centre of the churn works. On the upright shaft are placed, at right angles thereto, four arms or paddles termed propellers, two being a little above and at right angles to the others, and so fixed as to form an angle of about twenty-eight degrees with the bottom of the churn, thus forming a screw round the upright shaft, the effect of which is, by turning in one direction, to give an upward as well as circular motion to the cream, and by turning the other way, to give a downward or rotary motion. There are also four brackets placed perpendicularly inside the churn, to check the rotary motion and cause a complete agitation of the cream. The upright shaft and propellers are worked by means of a crank and bevel wheel working in a pinion.

See Drawing No. 261.

PETER ROW HIGLEY.

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