

# TO THE PUBLIC OF CANADA.

Office of the Joseph Hall Manufacturing Co.,

OSHAWA, ONT., MARCH 8, 1872.

Being desirous of testing the merits of the different Water Wheels now offered for sale in Canada, as to their economical use of water, we, as manufactures of the

## GENUINE JAMES LEFFEL DOUBLE TURBINE,

Make the following CHALLENGE to the manufacturers of ANY WHEEL now made in Canada, whether it be IMITATIONS of the James Leffel Double Turbine or any other Pattern the wheels in all cases to be wholly manufactured by the competing parties:—

We will place in the hands of any responsible party six thousand dollars (\$6,000), and the party accepting the challenge to do the same, the money to be held subject to the award of the judges. The Wheels to be tested in a Flour Mill, driving the same runs of stone, grinding the same wheat, and having the same number of square inches of opening to receive the water, the amount of water discharged to be the measure of the amount used by each wheel.

The judges to be non-residents of Canada, and to be thoroughly well informed in the mode of testing the power of Turbine Wheels—each party to choose one judge, and the two to choose the third.

The owners of the winning wheel to have their money refunded to them, and the losers' money to go towards establishing a mechanical free library in any town in Canada named by the owner of the successful wheel.

The wheels to be tested at  $\frac{1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , and full gate.

Each party to give good and sufficient bonds, to the amount of \$4,000, that the loser shall pay the entire expenses of the test.

There are some wheels that give very good results with full head and full gatage which entirely fail under partial head and partial gatage. Such wheels in our climate where the water powers are affected by both cold and drought, are of no practical value.

## WE CLAIM, THAT WE ARE THE ONLY MAKERS OF THE GENUINE JAMES LEFFEL DOUBLE TURBINE,

In Canada, and that it is without a RIVAL in the world in PRACTICAL RESULTS

More than 6,000 of these wheels are now in operation in Canada and the United States. The sales of no other wheel ever yet introduced on this continent exceeded one-sixth this number.

Our wheel has been thoroughly tested in GREAT BRITAIN and has fully maintained the reputation it has gained in Canada and the United States, as the most economical water-wheel in practical operation ever yet introduced.

We are now publishing a new Descriptive Water-Wheel Pamphlet, containing 150 pages of valuable matter, which will be sent free to all applicants.

for further information address,

F. W. GLEN,  
OSHAWA, ONT.