

who employs it in his comb manufactory to drive three bufs of 28-inch diameter at a speed of 700 revolutions a minute, a grindstone, a lathe, and a drill. Mr. Nelson J. Wemmer of Philadelphia also employs one of their 24-inch engines, by which, at an expense of  $2\frac{1}{2}$  cents an hour, he runs two lathes, one routing machine at 5,000 revolutions a minute, three 8-inch saws at 2,500, and one 14-inch saw at 2,000 revolutions. Messrs. Jones & White of Philadelphia have employed a double 24-inch engine of the Morris manufacture for upwards of six months, to run three mills and three mortars for grinding quartz, spar, and colouring materials used in the manufacture of porcelain teeth, one rolling-mill, four small lathes, and one grindstone; and report that they are perfectly satisfied with its operation.

A few months since, Messrs. Wm. Kidd & Co. of Rochester, an establishment extensively and favourably known for its manufacture of steam-engines, and of all articles of iron required for the use of railroads, had their attention drawn to the caloric pumping-engines for locomotives at railroad stations, and were so much struck by their singular adaptation for this purpose that they applied to Capt. Ericsson for a license to build them. They commenced immediately upon the 18-inch engine, which is the size most generally called for by the railroad stations, and which is abundantly powerful for all their pumping purposes.

But, rapid as has been the progress of the new motor in the United States, it has advanced with equally rapid strides both in Sweden and in Cuba; a fact that must set at rest the objection that the engine does not operate as well in warm weather as in cold. In Sweden, the *Aftonbladet*, the leading journal of Stockholm, of the 15th of March, transfers to its columns THE TRIBUNE'S article on the Ericsson engine of the 11th of February, and adds:

"All this from THE N. Y. TRIBUNE of the great progress which the caloric engine is making in the busy land which the inventor has selected