

#### Revolution in Looms.

A new loom on totally different principles from those thus far followed has recently been invented by Mr. J. Melledge Flagg, A. M., of Providence, R. I. It is simple, original, highly ingenious, and threatens to effect a revolution in the thus far conventional principle of horizontal warps. It is entirely different from any loom ever before constructed, and is built entirely of metal, even to the shuttle. It is upright instead of horizontal; the shuttle passes through the warp instead of over it, as is commonly done, thereby making better goods, for the reason that the warp is not frayed. It does away with the tied twine harnesses, and in place of them has ingeniously contrived metallic ones, which are not only very durable, but which do not chafe the yarns. Instead of the heavy, cumbersome, slam-banging sley, the shuttle-boxes are stationary, the reed only moving to beat up the filling. The noisy rude pickers' tick is dispensed with, and instead is a curiously-contrived independent shuttle-motion, which acts at the proper time, no matter at what speed the loom is running. It is compact, being two looms in one frame, driven by one pulley, thereby saving one-half the space; requires but little power, and is capable of great speed. When recently on exhibition at Providence, it was daily visited by many of the prominent manufacturers of the country.