



### New Inventions.

#### Improvement in the Power Loom.

Mr. B. P. Cunningham, of Abington, says the Norwich (Conn.) Courier, has for some time past been at work upon an improvement which promises, so far as we can judge, to be of no small importance to manufacturers. The improvement consists mainly in this, that with a given amount of power, any ordinary loom can be made to do much more work with, than without the improvement.

If we are rightly informed, the average speed of the power loom commonly in use, is about 100 picks per minute, while the improved loom will bear a variation in speed very much below or above—even as high in cases as 200 picks per minute;—and Mr. Cunningham is entirely confident that a loom with his improvement may be increased in speed from at least 15 to 30 per cent, without any increase of breakage of yarn, or wear and tear of machinery.

[It would be well in all cases, in describing improvements on the power loom, especially in relating the number of shots thrown per minute, to mention the quality of weft used, whether 20's, 36's or 40's or 50's, and also the number of picks in the *glass*. We do not care how well a loom may be constructed, we defy a weaver to make any more than 50 picks per minute, with some kinds of weft but we know of some looms working at this moment averaging 30 per cent, above the average speed mentioned in the above paragraph, with good weft.—Ed.]