



New Inventions.

Improvement in Knitting Looms.

About a year ago, we noticed, that Mr. John Pepper, Portsmouth N. H. had made some valuable improvements on knitting machinery. He has now had for nearly two years his knitting power loom in operation and it has given great satisfaction, but since he first commenced improving, he has made some new machines which have far surpassed his first efforts. The Editor of the Portsmouth Journal has recently visited the establishment of Messrs. H. and J. Crane of the above place, where Mr. Peppers' looms are in operation, and he speaks as follows regarding their nature and operation.

"The common English Stocking Plain Hand Loom, the most perfect machine that had been in operation up to the time of Mr. Pepper's invention two years ago, will produce 2½ dozen of shirts or drawers. The English Hand Ribbed Loom will produce 2 dozen ribbed shirts or drawers per week.

The Plain Rotary Loom, invented two years since by Mr. Pepper, 44 inch machine, will produce per week by the attendance of one girl, 7 dozen shirts or drawers. His Improved Ribbon Loom of two years ago, with the attendance of one man, will produce 5 dozen ribbed shirts or drawers per week.

The last invention, which we have just seen in operation, is unlike in appearance to any other stocking looms occupying just half the space of the improved looms.

The newly invented Plain Loom, of the same width of the old, by one third of the power and the attendance of one girl, will produce 23 dozen shirts or drawers per week. The newly invented Ribbed Loom will produce 18 dozen shirts or drawers per week. All the above are 24 gage.

The looms are so constructed that they will weave strong yarns, that cannot be woven either on the English or Improved looms,—thus producing a more durable fabric than has been heretofore produced.

The machinery is so arranged that the looms can be operated in sections,—and can of course be built any width, as each section can be operated independent of all others."