THE SILENT SIMPLEX MULL

Mr. Richard Thornefall, of which he was, for many years, the head, and which is still carried on in the same style and name by a member of the family, is widely and favorably known for its fine yarn mulls, which are found in the leading establishments of both this country and the Continent, and also in several places in the United States. Still, as the field for the fine mill is a limited one, and, as progress is the order of the day, the present management,

We look upon a well constructed modern mule as the most wonderful and admirable piece of automatic machinery in existence, and in the careful examination which we made of this particular specimen, we experienced no drawback to the plausibility of statements such as an investigation usually excites. To meet the requirements of increased speeds now run, and to avoid vibration, the makers have furnished it with a strong and firm frame; the headstock being especially massive, obtaining stability of structure, particularly to that of the front headstock. The rear shaft is made of steel, with cast iron bushes for journals running in cast iron bearings, and is fitted with an arrangement for quick change of shaft. The driving pulleys are iron, diameter. The backing-off case is made larger than usual, with teeth, in pitch. The levers in connection with the

which prevents slipping, each such an objectionable feature in cases of small diameter. The drawing-up arrangement is placed under gears control, by the operator, so that he can take it out of gear at any position of the carriage when it is going up. This is accomplished by means of levers, and a connecting rod terminating in a foot lever at the front of the headstock. This gives the master power to prevent, it may be, sudden or fatal accidents, so, should discovery anybody improperly in the way between the carriage and the roller box, he can instantly arrest the forward movement of the carriage. The results on the drawing-up shaft are of an improved construction, starting the carriage slowly, gradually accelerating its movement, and before it arrives at its destination diminishing its speed and finishing slowly.

The cam shaft is driven in the usual manner.

The cam is worked by a cone, instead of a

feeling themselves justified by the success already achieved, have determined to make a new departure, and enter the field of competition with makers of a mule for medium and low counts. They have, therefore, constructed a mule on these lines, incorporating therein such alterations, additions, and improvements, as their experience with the fine mule lead them to think will prove advantageous. The mule for this purpose, as turned out from the establishments of the best makers, is, however, so perfect, that no one need be in doubt as to the construction from the hands of the greatest inventive genius. The changes incorporated therein will, therefore, be found to contain improvements in detail, the addition of some motions that will fit the work for spinning counts higher than the average, should circumstances, which they often do, render it advisable for the spinner to alter for the wants of people requiring higher numbers. These additions practically give the spinner another string to his bow. The firm have accordingly constructed a model mule on these lines, to which they have given the name of the Silent Simplex Mule.
The textile market is stable, and prices have remained steady. The demand for woolens is strong, and manufacturers are optimistic about the future. Some improvements in technology have been made, but overall the industry remains stagnant. The impact of the pandemic continues to be felt, with businesses adapting to new circumstances. The outlook is positive, but challenges remain. The textile industry is resilient and continues to evolve.