A cylinder must be as nearly as possible a perfect one; in the second, the band, whether flexible or inflexible, over which the flats travel must be equally true, so that the latter may be perfectly concentric throughout the whole of their traverse; third, the working surfaces must be finished to a similarity perfect condition, which requires that each be formed to accurately constitute a section of the imaginary circle of which they form a part. But this is not all, they must be maintained in this condition. These are two elements that militate against this, the first being the wearing down of the ends of the flats, and the second the grinding away of the wire. The tendency of these two is to counteract one another, but it is not much more than a tendency. To secure perfect of one and every flat to the cylinder perfectly uniform, so that the wire of every flat throughout the course of its traverse, when properly set, shall not be separated from that of the cylinder by more than the 1/1000th part of an inch. It will be obvious that the solution of this problem requires the greatest skill and the nicest handling and adjustment of details. There are three or four methods for more or less perfectly accomplishing this, but these we need not stop to describe. It is sufficient to observe that they leave something to be desired. We may, however, refer to one of them with a little detail, as the invention under notice is to some extent based upon the same plan. This is the one in which the grinding roller is supported on a vertically sliding bracket, and is raised as each flat passes, the latter being carried over a rigid supporting piece, and their working surfaces coming into contact with the vertically sliding brackets.

In the invention under notice the grinding roller at the end is so mounted that during the operation of grinding the vertically moving staff or bracket which carries the bearing for the roller shaft, is supported upon the working surface of the platform. Each flat as it passes beneath the grinding roller is adjusted to the required angle against the under surface of the above-mentioned bracket, which is inclined to form an internal angle of from 120 to 170°. These details will, however, be more easily comprehended by the aid of the accompanying illustrations. Fig. 1 is a portion of the front elevation; fig. 2, side elevation with parts in section; and fig. 3, sectional side elevation of the upright bracket and vertical sliding staff. The letters indicate in each illustration the same parts. The parts shown are the bend A, the flexible bend B, several flats C, the grinding
THE TEXTILE MERCURY.

News in Brief.

From Local Correspondents and Contemporary.

ENGLAND.

Bolton.

A new company is in course of formation, to be known as the North End Spinning Company. The promoters contemplate that the mills will be provided to contain 70,000 spindles, on land near Mesnes, Barrow and James's Golden Hind, Bolton.

The quilt, which is to be presented to Mr. Gladstone from the working men of Bolton, has been on view in the streets, and has attracted great crowds. A complete set of material to make the quilt has been provided, and the workers have been encouraged by the promise of prizes for the best work. The quilt is to be presented to the University of Manchester, in recognition of the town's contribution to the expansion of cotton manufacturing.

Notices have been posted in the works of Messrs. Dickinson and Co., cotton spinners and dyers, of Hall's Hill, to the effect that the mills will be closed on Monday, May 13th, and reopened on Tuesday, May 14th. There are about 24,000 spindles in the mills of Messrs. J. B. Crossley and Sons, Ltd., which have been closed for a week, as a result of a dispute between the workers and the management.

The success of the new company in the town of Rugby, following the closure of the local cotton mills, has led to a rise in the wholesale price of cotton. The company has already secured a contract for the supply of 10,000 bales of cotton, and is planning to expand its operations in the near future.

Leicester.

A receiving order has been granted against the estate of Mr. C. H. Humberside, hosier manufacturer's agent. Mr. W. T. Rowsell has been appointed as receiver for the estate of W. E. and F. Brown, who are retailers from business, and have been declared insolvent. The insolvency order was made on the 26th and 30th of last month.

We regret to announce the death of Mr. Walter Whitham, who took place suddenly at his residence, on Tuesday morning. The death was unexpected, and the details of the funeral arrangements are not yet known.

A New York paper says——Mr. McColl, who is agent for the firm of Messrs. Edward Potter and Co., Manchester, England, has just returned from a trip to the several large cities of the West. His tremendous sales, turkey red, handkerchiefs (and other specialties) have been greatly admired by the houses to whom they were shown. Some orders were procured and the styles of work, colouring and execution are so novel and superior that the business with this country will doubtless be largely increased, especially in the better grades of goods. It will enable houses to have patterns and styles not common in the market, which will be quick sellers and at a satisfactory profit.

The principal topic of conversation in dry goods circles during the past week has been the changes recently announced in the management of the firm of J. C. Westhead and Co., Ltd., who are well known amongst shipping in connection with certain lines of goods. Mr. J. C. Westhead was seen to direct his mind towards the next account for cotton, Westhead paying it by personal interest towards those in hand, and the company being obliged in case of balance being on the wrong side; that but only suffering in personal. The balance sheet at the present time amounts to 3,225, and recent inquiries elicited the information that the stock-in-trade in the pound. The company has been very successful of late; two months ago a dividend of 8 per cent. was declared, and the dividend for the first quarter just concluded was 10 per cent. This, however, is not to be paid, the shareholders having suspended the payment of the dividend pending further inquiries. Messrs. Bradbury and Tandy are carried on concerns under the style of Bradbury and Tandy, a well-known firm.

Manchester.

The marriage of Mr. Edward W. Glazebrook, M.P. for South Aberdeen, Registrar of Civil Law at Luton, and Miss Elizabeth Arden, second daughter of Mr. Arden, who was formerly a partner in the firm of Thomas Randle, a well-known manufacturer of silk goods, has been announced. The marriage took place in the Unitarian Chapel, Hyde, on Tuesday last. The parson left for the North, whence they would proceed to the South of France.

The will of the late Mr. R. Peacock of Coddenham Hall, Waltham Abbey, co. Essex, and member of the division of Lichfield, has been proved at the Manchester District Registry. The gross personal estate amounts to £26,017, and the net estate to £22,200, including lands, etc. He bequeathed his property to his second wife, Miss R. Peacock and Mr. William Frederick Peacock and other relatives. The will is to be of interest to the hosiery and millinery trade, and to the manufacturers of fine goods. It will enable houses to have patterns and styles not common in the market, which will be quick sellers and at a satisfactory profit.

Shortly after six o'clock on Thursday morning an outbreak of fire occurred in the machine room of the Messrs. O'Malley's Mfg. Co., Ltd., and the works were immediately communicated with, and Mr. Upton, the operator, took charge of the blaze. The fire was extinguished in a short time, and no damage was done to the works.

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