as-it-must-run well; there is no-economy in running so that the quality will not be the best. On-combed stock there is no-question-that the twist-can-be less than standard, and on numbers finer than 65 it-will be economy to use this preparation.

The draft-should not be too-long, 131/4-on 36 yarn will have to be-decreased-on-number-42 to-make the-work-as good,-and the yarn as satisfactory. As the yarn-becomes finer, the-draft should be gradually made less, until a draft of ten and one-half is reached for 60 yarn. If it is possible to make finer roving than this requires with the carding machinery, and still use double roving, it will improve the spinning. In spinning any number it is necessary to use double roving, as the work will not be satisfactory without it. One word more about double roving, a number of mills needing more filling yarn alter a warp-frame-to the filling wind, still using-the single roving, but the results are not the best, and not a little of the fault found-with-goods-made-from-frame-filling, and the making of this filling itself, comes from just-this-method-of-spinning fill-Filling yarn will need less twist with a shorter ing varn. draft, and-if-possible to make this choice, should give the preference to one tooth less-draft rather than one more-tooth-of twist, and the spinning will show more improvement.

The best conditions can be obtained in a room where the humidity runs from 55-to-65 per cent, and the temperature can be kept low in the extreme warm weather. This would make it advisable not to put the frames on the upper floor under the roof, but on a floor below, leaving the upper by choice for the warp yarn.

The frame-should-be-made with-short-boss-rolls, the stands pitched-to-insure the twist-running-up to the bite-of-the-rolls, the saddles set so as to leave the middle-roll without weight, the thread-guides round-rather than flattened on one side, and provided with a kink arrester. There should be a trayeler cleaner, and the roving-trumpets-should be made-with as-small a hole as-possible. There should be plenty of space between the-thread board and the top of the bobbin, and the choice should always be given to a wider rather than a narrower gauge of frame.

There will be no doubt that it is economy to select as good-staple as-possible for the filling yarn-in mixing the cotton, as less twist is to be the goal always sought, the quality of the stock and the evenness of the staple are important considerations. A bobbin filled with-yarn spun-well will mean good weaving, large production and a medium amount of waste which should not be any more on twelve bobbins than is usually made by the weaver in putting one cop in the shuttle. Without question, the best-method of setting the twist: 15-to-keep-a surplus-stock of bobbins, from four-days to a week's supply, ahead-of the looms, and have the filling-kept in a damp cellar or on a rack over running water. If this cannot be-done, air moistened with water should be blown or sucked through the boxes of filling in enclosed bins. During the cold, dry weather, it will be advisable to heat the water from the returns from traps on the circulation pipes or from

There has been a great increase in the spinning of frame filling within the last few years, and first one mill and then another makes finer and finer yarn. There seems to be no question up to number 80, and the results on numbers finer than 100-seem to be very satisfactory. The saving in cost of production is not the same in every case, but half a cent per pound ought to be possible on the finer numbers of yarn. This with the large saving in cop-waste, the most expensive waste usade in a mill, makes a strong-argument for the frame and the change from mule yarn-to-frame yarn-would seem to be a move in the right-direction.

koreign Textile Centres

MANCHESTER.—In the lace departments more vigor-has been shown lately, and-agents, both-for-home-and-foreign manufacturers, appear to regard the outlook-as-good. Cluny-lace-manufacturers have made wonderful efforts, and have succeeded in bringing out some distinctly attractive designs. Embroidered hats-and-all-overs, the-latter on silk embroidered muslin, have been well sold by Plauen agents, especially to some of the foreign-markets, and black silk laces have also met with fair enquiry. Lace bed-sets, which were well bought for shipment a few-seasons ago, appear to have done badly. No-reference to hosiery would be complete that did not speak of the mercerised-effects_that-have-been brought-out of-late in-stripes-and other-styles. Some of the finest-novelties shown are in goods of this-class, and-the-continent-has-not-been-slow-to-take up-the business. Lace hosiery has received much closer attention. In striped hosiery-gray-grounds with fine stripes up have been fairly prominent. Blues and purples have met with support in foreign dyed goods, although-it-would be-difficult to express an opinion as to-the probable-length-of-their-reign. -Combinations of mercerized cotton and merino for hosiery stripes produced a tasteful effect, and sprigs, polka dots, and other designs embroidered with mercerized cotton look very well, says The Drapers' Record: In the dress goods departments the outlook appears as-satisfactory as in other branches. The abundance of employment in the great trades of the North-makes a brisk tetail movement certain, and every department of the wholesale trade will share in this prosperity. Printed silks do not seem to have such a run in this country as in some of the foreign markets, but Continental producers have paid close attention to these goods. and are showing a beautiful range of designs. In the heavier branches the feeling as far as linens are concerned is that prices will keep firm. Cuba continues to buy liberally, and the mills are-so-busy-that-manufacturers-have-no inducement to-listen-to buyers-desirous of beating prices down. In fact, in some of the linen-producing-districts labor is somewhat scarce. Most of the cloths going to Cuba are for clothing purposes, being, as a rule, of a medium or inferior grade, although some finer grades are sent. The demand, at any rate, has helped to considerably improve the general tone of the linen industry, and the outlook is -more-cheerful-for the manufacturer-to-day than-it-has-been-for-a long_time, while the distributor, as far as can be gathered here, can look forward with confidence to the results of his autumn trading. The prospects all round-certainly appear satisfactory.

BRADFORD. That part of the year 1899-which has already passed has been in the highest degree eventful for the Bradford trade, and the present-commercial situation is also distinctly removed from the commonplace, says the correspondent of The Drapers' Record, London. During the year we have seen the establishment of a successful combination of such importance that it practically controls one of the most important branches-of the Bradford trade, and other less important combinations are also taking possession of other departments of the local-industry. It is impossible to foretell what the eventual effect-of-the establishment of these trade-combinations may be. but-it-is-certain that-they must-have a far-reaching effect on-the Bradford trade-generally, and that a full-test-cannot be given to them until-they have successfully stood the strain of a long period of trade depression. We-have also seen an almost-unprecedented revival in the general trade of this country, coupled with-one-of-the-finest-summers-and-most-successful-harvests-in modern-years. As-this-prosperity-has-extended to all-our principal national customers, including the United States, every factor necessary for a good autumn business seems to be present,