ESTIMATE of MACHINERY by FAIRBURN, KENNEDY and NAYLOR, Leeds, to the Hon. J. VOGEL. MACHINERY to prepare and spin about 14 cwt. per day of Rope Yarn, average No. 20, from Hemp, Manilla, or New Zealand Flax.

1 Combined Spreader and Drawing Frame, two bosses, 66 in. reach, 16 in. width of gill, wood pressing rollers	£1,170 0 0
1 Second Drawing Frame, one head, four bosses, 52 in. to 58 in. reach, 8 in. width of gill, wood pressing rollers	
2 Spinning Frames, twelve spindles each, 10 in. x 5 in. bobbin, 41 in. to 45 in. reach, patent leather pressing rollers	
1 Manilla Lapper, 6 ft. diameter of drum, complete, with covering ...	

Packed and delivered f.o.b., Liverpool or London.

Payment:—one-third when the order is given, in cash bills on London, net; and two-thirds when the machines are ready for delivery, also in cash bills on London, net.

Leeds, 5th June, 1871.

The power required to drive the foregoing machinery will be about 15 indicated horse power.

The workpeople necessary for the foregoing machinery will be about 7 girls, 3 boys, and 2 men.

"20's Yarn" means yarn of which twenty being used for a strand, three such strands would make a 3-in. (circumference) rope.

"Manilla Lapper" is specified—precisely the same machine would be made if New Zealand flax is to be the material operated on.

Machinery for making the strands and then ropes, would cost about £2,000 or £2,500.

The firm always send a man to erect their machinery—selected with a view to fitness to act as manager of the works.

PAPER.

GENERAL ESTIMATE of Cost for all requisites for a small Mill, such as has been sent to Victoria, supplied by Messrs. BENTLEY and Co., Lodge Bank Works, Bury, Lancashire.

MACHINERY for making about 12 tons Paper per week:—	£
1 Chopper	50
1 Willow	55
1 Duster	25
4 Boiling Pans	200
1 10-cwt. Washing, &c., Engine	230
2 Batting Engines	300
1 Paper-making Machine, wire part, first and second presses, seven drying cylinders, calenderers, felt rolls, reeling apparatus, knotters or strainers, stuff pump, back-water pump, stuff chest, and steam-engine	1,200
Cutting Machine and Steam-engine	165
Teagle, without woodwork	25
Gearing, steam pipes, and valves	200
2 Steam-boilers, 7 feet diameter, 24 feet long, with 10 Galloway tubes ...	500
1 Engine 42-inch stroke, 20-inch cylinder, with fly-wheel, to turn from 40 to 50 horse-power	350
Wires, felts, straps, hot-water cisterns, &c., for about twelve months work (less stock on hand should not be kept)	300

An ordinary water-wheel or turbine, of equal power, might be substituted for the last specified engine—in which case, one of the specified boilers (cost £250) would be dispensed with.

Hands required:—One steam-engine tenter, two or three hands in the sorting room, who would also attend to the chopper and willow; one for washing machine, &c.; one for the batting-engine; one for paper-making machine; two girls for the cutting machine; three hands for the finishing room.

A thoroughly competent manager for such a mill would be paid in England from £3 to £4 per week.

The wires and felts are the most expensive portions of the apparatus that require renewing. A competent manager would, while his wires, &c., were not much worn, keep producing (as far possible) only good qualities of paper, and when the wires, &c., were worn, he would use them for coarser papers, for which they would then be quite as good as if new.

London, 22nd June, 1871. E. FOX.

BLANKET MACHINERY.

ESTIMATE by Mr. JOHN TATHAM, Moss Lane Works, and Milnrow Road Works, Rochdale. (A plant, such as that estimated for, has recently been sent by Mr. Tatham to the Cape of Good Hope.)

12 Looms.	1 Soaker.
2 Double Carding Engines, with condenser.	1 Beaming Frame.
2 Mules.	1 Twining Mill.
1 Teazle.	

Cost of the above, with the necessary cards, which would be procured by Mr. Tatham, about £1,400.

Power—10-horse, nominal.

Hands, 14.