HE MACHINES, and has for its object to provide means whereby
the aperture existing between the ends of the doors in front of
the mule carriage can be effectively closed and the dust thereby
prevented from entering the carriage through the said apertures.
Applied to each or every alternate door end is a slide or flap
adapted to close the aperture between two door ends, which slide
or the flap may be actuated either by hand or automatically when
opening and closing the said doors. When adapting the said
slide or flap to be actuated by hand it is furnished with a button
by which, when opening or closing the said doors, the slide or
flap can be slid or turned over or from the aperture respectively.
In arranging the slide to move automatically there may be upon
the door a bar or rod under the influence of a spring, the upper
end of which bar or rod is connected with the said slide, and
the lower end adapted to bear against the carriage or frame
to which the said doors are attached, so that when opening the
doors the spring causes the bar or rod to recede or fall and thereby
withdraw the slide from the aperture. (Accepted May 16, 1900.)

TEXTILE MACHINERY.

10,099. T. Wilde, Oldham, Lancs. Self-Acting
Mules. (15 Pigs.) May 13, 1896.—This invention relates to im-
provements in and relating to self-acting mules, twisters, and the