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THE PaESTONIAN WEB FERFECTING PRINTING PRESS.

This press, of which we give an illustration above, is one of the favourite new fast presies which have been called into existence by the rapidly increasing circulation of modern daily journals. The Pristonian differs from other web printing presses in the fact that it is capabie of printing not only from stercotype plates but also from movalle type. This press bas been iotroduced into Cangda by the proprictors of the Montresl Ecening Star, and is used in printing their daily editions. As mas be seen from the illustration, the press contans tro large cylinders on the interior of which are the 1 ypu forms. In contact with the first type cylinder and immediately below it is the first impression cylioder, clad with thin blanketiog, with the roll of paper to be printed fired in ciose proximity. The almost cadless she. ar psper, exlending $3 \frac{1}{4}$ miles in length, is carried ronad this im-
piession cylinder, and, as the machine rotates, the typos standing a little higher than the rest of the cylinder, imparts its first impression bere. The sheet then passes round ai adjacent cylinuer called $s$ canier cylinders and returas to the second impression cyliader, and is printed a second time on that part of the sheet imonediately preceding the first impression. The same process follows witis the thirl and fourth cylinders. It will thus be setn that in one revolution of the first type cylinder four impressions on one long, continuous sheet have been prouluced, and so long as this cylioder revolved an undivided luneth of paper printed on one side caly would be produced; but it will at once necur to the reader that the same mechanical arrangement of cylinder and type that produced a succession of impressions on one side of the paper will be capable of doing it on the other. The shect is now conducted to the second type cylinder, where, revolving over a succession of impression cylinders and carrier cylinders, identical with the arrangements alrcady described in the first

