

A New Typewriting Machine.

Father Colendoli, a Sicilian and a member of the Dominican order has invented a type setting machine that will compose 50,000 letters an hour, a task equal to the labor of thirty-six compositors. The difference in speed, as compared with existing machines, lies in the fact that, instead of each letter being made to fall separately into the composing stick, entire words can be composed in an instant by the simultaneous application of the fingers of both hands.

The machine is a kind of harp, whose cords are replaced by metallic tubes adhering to each others in four series. The first one includes thirty-one tubes, the other thirty-three each, every one containing in the average 150 letters. All these tubes communicate through an ingenious electrical device with a keyboard, or rather checker board, divided in twenty-one small squares covered with electrical knobs three for capital letters, fifteen for ordinary letters and the three others for figures and vowels provided with accents form a horizontal line on the lowest part of the checkerboard and are operated with a pedal.

Each letter is printed on the little knobs and to avoid useless motions of the arms the squares are repeated three by three. In those squares the consonants are arranged in a very ingenious way, which permits to compose most of the syllables with a single finger in touching two kinds at the same time as be, bi, bo, bu, etc.

Practically a skilful operator plays the part of a pianist, who, by the use of his ten fingers is able to strike 50,000 notes an hour; letters replace the notes in the type-setting scheme.

An electric current is produced at the precise time the compositor raises his finger from the knobs, and instantaneously the letters drop from the tubes on the inclined wire, which is placed in full sight of the operator on the right side of the checkerboard.

The machine invented by the Dominican corrects many defects and the results of the discovery will prove simply marvelous. It means complete revolution in printing for the following causes: Lightning speed of composing exceeding the rapidity of speech, no use less material, no typesetters, suppression of distributing the types, a special machine supplying new stereotypes ready for filling the tubes: no forms to be stereotyped, as the revolving process can be operated as well by curved types, which the machine can drop as easily as horizontal types; furthermore, and this is the most important point, the same machine with the adjunction of duplicate or triplicated tubes, can set the same matter simultaneously two or three times. But this is not all. There is no reason why the keyboard should not be separated from the machine, whose tubes are put in operation by an electric motor in such a way that the editor instead of writing his articles, can discard the pen, and from his private office set up his own "stuff" with the necessary corrections and do without the services of the type setter.

As incredible as the thing may be looked upon, the most important part of the printing art—that is, the composing room—is fatally condemned to disappear.

Father Colendoli, whose name will be known to the whole literary world in a few months, is a very unassuming man, small in stature, about 55 years old, with shrewd eyes. He does not impress the visitor at first sight.

Lord Brassey will leave England for Melbourne, Australia, in July. Although his famous yacht Sunbeam is very fast, it will take two months and a half to make the voyage.

"Up to two years ago I was a terrible sufferer from Dyspepsia and Indigestion. I was recommended to try St. Leon Water by an eminent doctor who drinks it regularly himself, and am glad to say it has completely relieved me of my trouble. I drink the water every morning, and in so doing it keeps my system regular and my health in first-class condition." DAVID D. DANN, 79 Cumberland street, Toronto, Ont.

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