

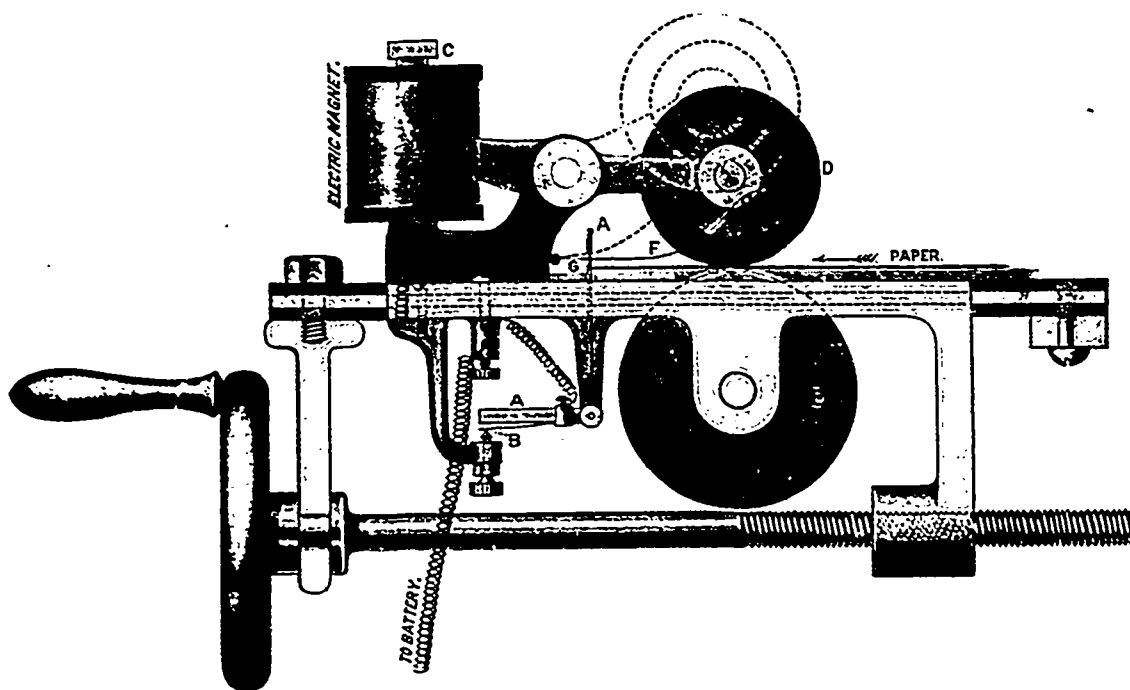
**AUTOMATIC REGISTER BY ELECTRICITY.**

**E**LECTRICITY has become so popular that its application to any new purpose meets with universal approval. It being admitted that such application means increased possibilities and a much greater degree of efficiency. A careful study of the accompanying illustration will satisfy most people that its application to the purpose of actually registering sheets of paper is a wonderfully effective arrangement, but the more wonderful for its great simplicity. The lower wheel "E" has a continuous motion. The upper wheel "D" is operated as a friction drop roller. As the sheet is coming into the folder, the drop roller "D" is elevated to the position shown by dotted lines, but as soon as the sheet reaches the first fold gauge, this roller is brought in contact with the lower roller, and the sheet being between the two, is carried endwise until its advancing edge comes in contact with the circuit making lever marked "A A"

the press that the gripper edge of the sheet comes in contact with the first fold gauge on the folding machine, so that the sheet, before it is started into the first fold rollers, is automatically registered to the same end and side used in printing, and is adjusted to the gauges with more accuracy than would be possible were they placed there by hand.

To furnish the electric current salammoniac batteries are used. Four cells give an abundance of current; two will operate the attachment perfectly. It requires no skill to keep the batteries in condition, and they are inexpensive to keep in order.

To grip the sheet of paper and carry it to a given point, and to bring each sheet into position so accurately as to give perfect register, requires the device to be very sensitive, consequently it is extremely difficult to get a mechanical movement so nicely constructed and adjusted as to give the desired results.



and tips its upper end sufficiently to cause the lower end to touch the connecting point "B," thus completing the electric circuit that lifts the friction roller "D" by its lever "C" being drawn down upon the electric magnet. This action is instantaneous, consequently, absolutely accurate and entirely automatic. The electric connection cannot be made except by the advancing edge of the sheet and there can be no variation in the point reached by the edge of the sheet each time. The movement of the lever "A A" is so sensitive that it can be operated by a sheet of tissue paper. It is perfectly balanced and the lightest pressure will bring its lower end into electric contact. The space at "G" is slightly exaggerated in order to give room to illustrate the principle of construction. The space at this point is just sufficient to allow the sheet to move freely with no possibility of its edge curling up, and even should the edge be curled before the sheet reaches this point, the fender "F" would press it out flat before it reaches the electric lever causing all sheets to lay exactly alike. The complete attachment slides in grooves, the side register being made by simply turning the hand wheel without stopping the machine.

The electric attachment takes hold of the sheet at the same point that it was fed to at printing. The forms are so placed on

The machine is made by the Dexter Folder Co., of Fulton, N. Y.

The National Reformer of London, England, has ceased to exist. The weekly was established thirty three years ago by the Charles Bradlaugh, M. P. It was the medium of his fusillades against the church and state. At one time its circulation was a quarter of a million weekly. Its decay is attributed partly to the decease of its founder, partly to the dwindling of the atheistic element and partly to the fact that the English Radicals prefer to take their politics straight rather than to have them mixed with iconoclastic irreligion.

Mr. J. E. B. McCready's retirement from the editorial management of the St. John Telegraph will be much regretted by his confreres. He has filled the position creditably for ten years, and has faithfully and vigorously upheld Liberal principles, while maintaining the reputation of the Telegraph as a clean newspaper. Mr. McCready has had a lengthened newspaper experience, and being a clever writer it is not likely that he will long remain out of journalism. His brethren of the quill in the maritime provinces will wish him prosperity wherever his lot is cast. Halifax Chronicle.