would space out the lines.

proof was taken and read by the type. proofreader to mark any errors the compositors might have made.

When all the corrections were made Wonderful Work of the Mergenthaler Linothe galley was sent, with many others, to the forms, to be made into pages.

The machine composition is placed upon

The pulling power of a newspaper is width of the columns, which are placed upon

The machine composition is placed upon

question. In the old days compositors used over and over again. When the "stick" was full the "mat- working side by side oftentimes carried

# TYPESETTING OF TODAY.

galleys in the same way, and the pro- Advertiser, the only typesetting by between the lines of type to make them his knowledge of type-setting as great of New York. cess of proofreading and correction is hand is for display advertisements, and stand out more prominently. The type as that of the printer. Few people

was argued by printers that no maconversation among the "operators," no notches or wards. Thus the magazine type on the galley at a glance, so as to center, slitting the web in the middle, forts are enlisted.

"TAKES" IN THE "DUMP."

heading which has meanwhile been set. clock is inexorable The "dump" man also inserts, accord-

# THE PROOFREADER.

familiar, with the exception of in the for the headlines. There are four lino- is placed on "galleys," long, shallow have an idea as to what is demanded of the proofreader. He must exercise the greatest possible care; at the same time the utmost speed has to be used. His duty of course is to read the proofs which are pulled on the galleys. The copy from which the matter was set is read by some one at a rapid rate. With an eye so trained that any error is detected he follows the reading of the copy. There is a capital letter where the "lower case" would have been proper; where there is a number in figures or spelled out as it hould be, where a colon is used to ounctuate instead of a semi-colon, or the small quotation mark left out when it should be in, and a general 'style" of composition has to be followed, these are instances of times when the proofreader's eye must tell him what to do as he rapidly reads. The errors are indicated on the proofs by certain marks to denote the desired changes.

When one considers that he has all these little things to attend to besides naving to know how to spell any word that might come before him, and to detect any lapsus calami on the part of editor, reporter or correspondent, it will education and training in carefulness and quickness a proofreader must have. In the reading of advertisements, where a misquoted price might mean the loss of much money, great care must be taken, and it is important in every particular that the writing of the paper should be correct. The proofreader is the last person who has the power to change any errors, and hence the responsibility of his position.

# THE ADVERTISER'S PRESS

# Best Results Can Come Only From Best Machinery.

that it gets but two feeds a day, the with the page forms of type, which are The Advertiser the difference was noits teeth. Hungrily it awaits the put- ticed, and we have had many conting in of each form, and when at last gratulatory remarks passed on the exthe eighth one is in place, and all the cellent print that The Advertiser has Papers Must Be Quickly Sent to the the names and addresses are clipped necessary screws have been tightened, appeared in. The typographical apthe paper is at once begun to be fed in- pearance of a paper counts for much, to it, and it is to have this in operation and this is a good reason for having the that every effort is put forth with the considered what an assurance it will be scribed as a trough-like affair of brass bold type to assist in rapid routeing haste that has been described.

# A FAST FLAT-BED PRESS.

In the new place the stereotype sys- readers will understand the importance tem has been done away with. Of that is attached to the obtaining of such course, there is a plant for what stereo- a press. typing is necessary, but the stereotyping of the page plates for the press, The motor is situated just outside the which has been the system employed pressroom. Beside it stands the motor for some years on the old press at the which supplies the power for the job former establishment, is not done. That printing presses upstairs. The motors system is probably the best for the are furnished with current from two greater metropolitan dailies, but for different electrical supply companies. papers of from 12,000 to 15,000 circulation | Should anything happen to the power it would have been much better to have from one, connection can be immediatebeen able to do without the stereotyp- ly made with the other motor for the ing. For years attempts were made to running of the press. This would prove supply the want—a flat-bed perfecting invaluable in the case of emergency. press, with speed sufficient to print and There is also another advantage, should deliver within the required time the edi- one of the motors become ineffectual tions of daily papers with circulations at any time, there would be the other up to 12,000 and 15,000. These attempts. motor upon which to fall back. however, were futile, and it was not until til 1891-92, that Cox succeeded in producing the "Duplex Press," developed in the "angle-bar," to a speed of 6,000 CIRCULATION DEPARTMEN an hour. Naturally the experience gained in the years since that time has enabled the makers to bring these ma- Methods Employed to Get and chines to a greater degree of perfection and speed. It is one of the latest models of the "Angle-bar" that The Advertiser has installed in their new pressroom, and after several weeks' Mailing Room Must Work With running the pressmenn are more than

in the way of machine composition. It now. The noise of the machine makes groove which corresponds with its whole process; he must be able to read livery roller, which has a slitter in the list in his territory his most earnest ef- the belt as he turns the roller, while was argued by printers that no make his selections instantaneously, or chine could ever be invented that longer compositors, almost out of the is constantly replenished and the letters make his selections instantaneously, or local stantaneously, or compositors, almost out of the is constantly replenished and the letters make his selections instantaneously, or local stantaneously, or loca

when the suck was run the matter" was carefully lifted with the finon interesting and animated conversaWhen the operator has finished his ling. Very frequently the arrival at gers, aided by the setting rule, and put tions while their fingers were constantgers, alored by the setting rule, and put of a galley, a brass tray with ly traveling back and forth from the up to a table at his elbow; from there on to a galley, a brass tray with a property of the whole design o wooden sides and about two feet in length. When the galley was full, or kinds of copy was being transformed in charge of the "dump," whose duty it make-up and the page must be pulled first fold. The sheet is all printed, perience to be the most valuable for show him which size of wrapper each the "take" or article, was ended, a into columns of reading matter in cold is to arrange the "takes" in order, with to pieces. The decision and the alter--at the commencement—the proper ations must be made instantly, for the cutting cylinder, which is one page priced or low priced, whether it is figure addressed to towns wide. From there it has either a mail men or for women. The family news- reached by a certain train, he lays the or a carrier fold, which can be operat- paper naturally interests all members piles carefully to one side, and begins ing to the marking by the editors, based As responsible a position on a daily ed at the will of the pressman. The

> dependent upon the thoroughness with mailing machine is started in the mornwhich it is read, the length of time its ing, the 2 o'clock edition having a large

to detect imperfections which will some- bar at the top of the machine placed circulation a newspaper has, it With this machine the operator passes times creep in through haste in hand- at an angle of 45 degrees, and the part becomes important to know what from one pile of wrappers to another, upon the importance of the item, the paper as any is that of proofreader. paper is made by the Eddy Company, reaches most of the families of London eration is repeated until every mail "leads"—thin strips of brass, the exact His requirements are the same in of Hull, Que., and the ink that is used and thousands in Western Ontario.

The new press has certain advantages readers have been in the habit of read-circulation throughout the country, and



Frank Cooper, Photo Section of Composing Room Showing "Make-Up" and "Ad" Alley.

be replenished when they were "set He uses a keyboard similar to that of a places in the galleys. out." This was called distribution. The typewriter. As he touches the keys, compositor lifted from the forms a the corresponding letters or matrices When all this is done the type is carhandful of type after it was thor- fall from a magazine above, and ar- ried to the making-up tables, and here oughly wet, and, holding it securely in range themselves in line. When the the news editor acts as a guide. It is

latter, where a single error means the type machines, all run by an electric trays of brass about the length of a setting over of the whole line, as the motor. The linotype machine is, as column, and a little wider. These are in This Regard The Advertiser Is line is one piece of metal in itself. everyone knows, a comparatively re- put through the proof press and the Those were good old days, the days cent invention, and the acme of me- proof is sent to the proofreader with of hand composition. A rollicking chanical genius. It would be vain to the original copy. On The Advertiser, happy-go-lucky set were the printers attempt to describe in limited space there is one proofreader and one copyof the ante-machine period. They were so complicated an apparatus. It em- holder. One man reads from the origbest-known journalists and authors of them as delicate as those of a watch, rections on the proof-sheet. The marked press time, but must have its daily ratoday obtained their early training "at and so nicely adjusted that the dethe case." The "art preservative," as rangement of the minutest detail operator for correction. Of course, and 3:30 o'clock everything must be the trade was called, was a school in itthrows the whole machine out of gear. wherever an error occurs, the whole ready for it, and so it is, day after pages at will; pasting, folding and de-The manipulation, however, required line has to be reset. These corrected day. The huge press, however, is de-By the old process the cases had to by the operator, is comparatively small. lines are then inserted in their proper pendent upon the fitting of its mouth

# MAKING UP THE FORMS.

the left hand, proceeded with the fin- line is full, of which a bell gives warn- his duty to determine the destination of gers of the right hand to return the ing, the operator pulls a lever, and the the space, and on which page certain letters to their respective boxes. This line is pushed to a casting box in front matter shall go. To begin with, he is was a much quicker process than the of a pot of molten lead metal over a cognizant of all the important news

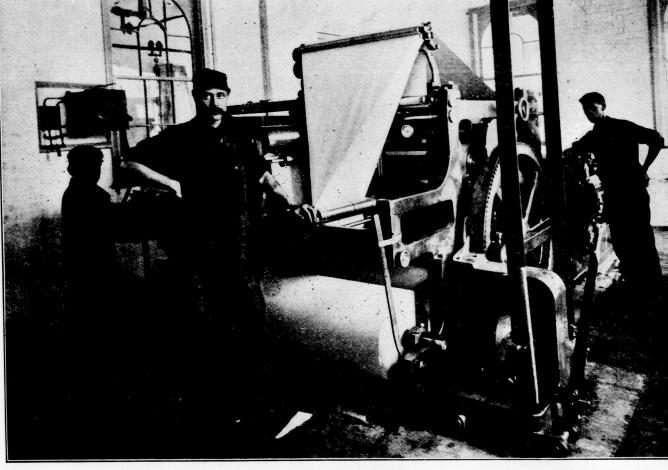
Splendidly Equipped. Seemingly ravenous, from the fact

satisfied.

# MINIATURE TROLLEY SYSTEM.

placed is well lighted and ventilated, the reader at the earliest possible moand is convenient for all purposes. In- ment. The functions of this depart-

assembled for their work. Not so is it zine each one drops into the particular The news editor keeps an eye on the der. The paper then goes into the der. The paper then goes into the der. The paper then goes into the der.



Frank Cooper, Photo

NEW PRESS' ADVANTAGES.

# A View of the Press Room.

that the old one, which was operated in | ing it, and the confidence they place | nearly all of it requiring to be mailed. connection with the stereotype system, in its contents. In all three of these The wrappers for news dealers and subdid not have. It can be started imme- respects the pulling power of the Ad- scribers are made ready the first thing diately after locking the forms, and any vertiser is a maximum. It is read in the morning, in a room which is fitdesired change in the form can be made through and through by the people of ted with long tables, covered with easily, while plates, half-tones, electro- London, every column in it, every ad- smooth sheets of zinc. Here the galtypes and line cuts can be used, as on vertisement in it, by both men and wo- ley proofs from the mailing-room are any flat-bed press. At the same time it men and by people in all circumstances used. These galley proofs are taken has all the advantages that the costliest of life. It has been read in this way from the galleys on which the names

# THE MAILING DEPARTMENT.

Subscribers. The mailing machine is an ingenious numerous or where connections are exactly at half-past three every day best press for the purpose. When it is time-saving device. It might be de- close, special labels must be printed in that there will be no delays in the get- about 15 inches long, the depth taper- at transfer points.

long sheets are sent to the deliveryroom, down alongside the presses, where many cases where changes of trains are

ting out of the various editions, our ing towards one end. Down the center The galley proofs are cut into strips

# The operating is done by electricity.

# Supply Readers.

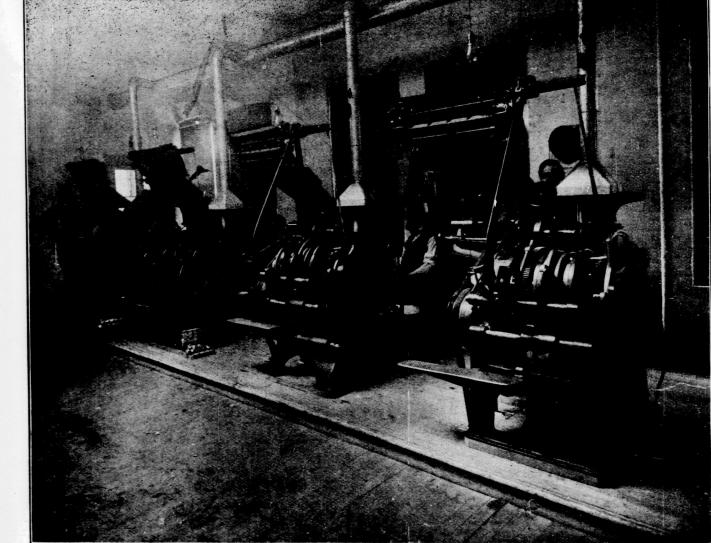
Amazing Celerity.

The press was installed some days The circulation and mailing departbefore the rest of the plant was moved ment brings one to that place where from the old building, and it was put the final stage of newspaper-making is up in three days, under the makers' reached. It is at that point where the agent, Mr. L. H. Bechman, of Battle writers, artists, typesetters and press-Creek, Mich. A special foundation was men have all done their work, and the built for the machine, as it weighs 12 product of these persons' brains, energy tons. The room in which it has been and skill can be placed in the hands of

and one might hear the choicest bits of differently, so that when the steel hand piecing out a small section of type to called coaxer rollers, then entering for in behalf of the paper, and as the down, which cuts and sticks the label pers delivered to subscribers outside the reparatee and wit when the men were shoves them sideways over the maga- make the columns the right length. its second impression on the top cylin- agent's profits are entirely dependent to the wrapper. Then he repeats the city, while in the city an excellent de-



Front View of Linotype Machines.



Frank Cooper, Photo.

# Rear View of Linotype Machines.

THROWING IN.

setting of the type. The compositor gas flame. By a process which is so that is to appear in the paper, having stead of the paper being brought in on ment are twofold; in the first place, Frank Cooper, Photo. became so proficient in his work of wonderful that it almost defies analyread it in the proofs, which are supdistribution that the letters took their places almost as if by intuition.

| Control that the letters took their places almost as if by intuition. | The proof this molten metal is place to furnish the metal is place to furnish them with their news-injected into the casting box to meet knows the relative values of the difference of th injected into the casting box to meet knows the relative values of the differ- hook. This is attached to a trolley from papers as soon as time and distance ly over rollers. Underneath it is a rethe letters. These stamp themselves ent stories so as to give them their the ceiling, and whereas by the old way will permit. Compositors on morning newspapers on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move are climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move are climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move are climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move are climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move are climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move are climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move are climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move are climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move a climbed off the lists and pasted on the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move a climbed of the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move a climbed of the metal, which quickly hardens, proper position, or weed out the least it would take a couple of men to move a climbed of the metal, which quickly hardens, and the metal was a climbed of the metal. usually repaired to the composing room and is ejected on to a little shelf in the material of them when it becomes nea few hours before time was called in form of a solid finished line—a lino- cessary to squeeze ten columns of type anyone. As it swings along the track before a wider circle of readers. Col- by a spring, but easily depressed by the the evening and "threw in" their cases. type. The letters, or matrices, into seven columns of space. This dis-If a compositor was anxious to use the having now done their work crimination must be exercised without pressroom and swung into the proper been identified with The Advertiser for the operator holds it with his left hand, is done with great rapidity by the time the following afternoon he re- for the time being, by im- waste of time; in a trained newspaper position at the agents are and between his forearm and his left mailing machine above described. mained in the office after the "jig was pressing themselves on the metal, are man it amounts to an instinct. As each through the process below described. on the territory, all the time, looking side. He passes one of the long proof up" or "30" was in, expressions used caught up by a great steel arm, page is completed it is trundled to the The machine is constructed with two out for collections, brings them in close slips through the back and lays it on to convey the information that the pa- which reaches down, takes them up, elevator and rapidly sent down to the side frames, two beds, one over the touch with the readers, and this keeps the rubber belt, wet with paste. With per had gone to press, and distributed and carries them up back to the maga- pressman on the ground floor. Towards other, two oscillating cylinders, and a The Advertiser well informed as to the one finger he turns a metal key pro- train times, and often this involves his cases before seeking his bed. On zine to be used over again. The action the close every minute becomes pre- crank motion. The paper is fed in from reasons people have for taking the pa- jecting from the front roller, causing considerable difficulty. However, The evening papers distribution was done of this arm in catching up the matrices cious and the making-up of the final a roll which is two to two and a half per or discontinuing it. The agents of the belt to move and shove the paper Advertiser's circulation department has before leaving the office in the after- and redistributing them is almost hu- form, which now is the first page of The miles in length. It enters the feed rolls The Advertiser never permit an oppor- over the front of the machine and unman. Each of the matrices resembles Advertiser, is invariably the scene of and from there it takes its first impres-The composing-room was always a a small flat brass key, the letter being feverish activity, as many as three or sion on the bottom cylinder. From When a family moves into a house the chine, which is slightly elevated from and stage connections are so figured out place where good fellowship existed, stamped in one edge; all are notched four men jumping around it, each one there it takes turns over what are agent or the route boy calls upon him the surface of the wrapper, is pressed that no time is lost in having the pa-