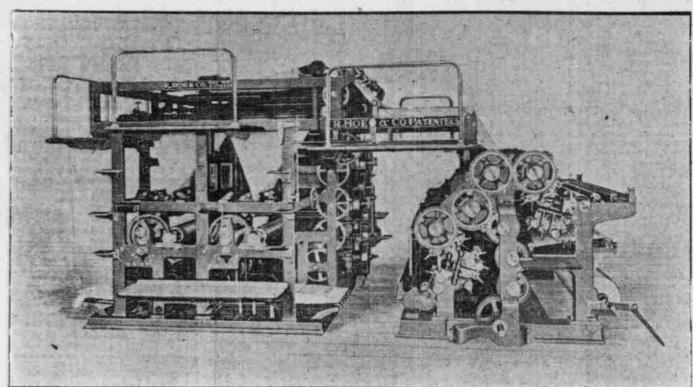
THE MORNING OREGONIAN, TUESDAY, DECEMBER 4, 1900.

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Printing the Paper		Half a Century Ago
From the Old Ramage Press to Lightning-	machanical agancies has made it possi- and compositors had to struggie with moment and than the hig machine is sat	Henry Hill's Reminiscences About
Speed Hoe-Fifty Years of Progress	ble to put creditable illustrations in the newspapers. Ten years ago nobody thought of making half-tone pletures for comes by special leased wire direct to press at the rate of 400 a minute. A large	Pioneer Printers – Carriers' Addresses
ROM the old Ramage hand press, ments in the printing press, and is still	printing in newspapers, much less papers the editorial rooms of the paper, all truck takes the papers to the mailing- printed on rapid presses with the grade typewritten and with scarcely a word room, where they are addressed by ma-	LTHOUGH much has been said, forms for the inside made up, locked
on which two men could print perhaps 100 four-page papers an unexceptionable except upon the point of capacity. This press will print 24,000 4- or, without folding, to the mod- 6-, 5-, 10- or 12-page papers, or half as	common. Coarse screens, deep etching, tion to this, special dispatches come by marks to be hustied to the postoffice or careful stereotyping and skillful press- both telegraph lines-Western Union and early train. After the carly mails are	and written by early "historians" and "pioneer" paragraphers as re- is the early days of Oregon and The
Hoe, that will turn off 24,000 many 18-, 20- or 24-page papers an hour page papers each hour, all pasted, but The Oregonian demands a machine of greater capacity.	done his best in making the drawing. In the local department also most of the city subscribers, and finish their de- With line pictures, pen and ink draw- the "copy" now turned in is typewritten. liveries before breakfast. Rapidity marks ing	gonian, some for a desire of appear- and the room was filled. I remem
nce in newspaper printing, but it has on taken by The Oregonian in its first coming Spring, a Hoe quadruple news	ern newspaper illustration, the chances grown to be important agencies for get- for failure after leaving the artist's hand ing the news, neither of which were place yesterday on the other side of the will	ent as early chronicling of events erandi of getting the first impression.



THE OREGONIAN'S NEW QUADRUPLE PERFECTING HOE PRESS.

This machine delivers papers folded, counted and pasted. It has a running speed of \$8,000 4-, 6- or 8-page papers per hour; 24,000 10-, 12-, 14- or 16-page papers per hour; 12,000 20- or 24-page papers per hour. It will be installed in The Oregonian pressroom in the Spring of 1901.

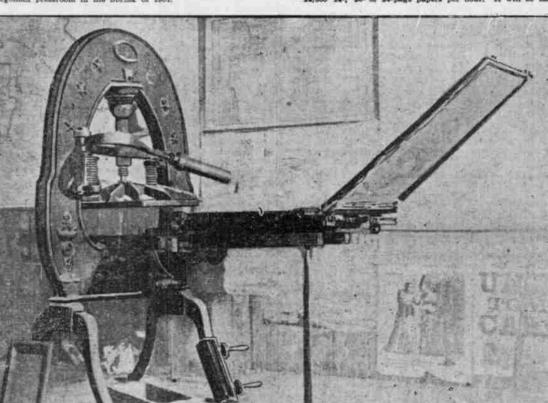
half century. Indeed, this modern fast paper perfecting press, will be capable press was installed before the paper was of turning off twice as many papers per if years old, and it is now outgrown and hour as the present machine up to eight new presses have been ordered to take pages, and it will print as many 16-page its place. One of these will print, paste, papers as the present press will of papers fold and count 24,000 15-page papers an of 12 pages. The one contracted for later hour, and it will be installed for opera- delivery is a Hoe sextuple newspaper pertion next April. The other will turn off fecting press capable of turning off per 48,000 12-page papers an hour, and it will hour 72,000 papers up to S pages each, be put in operation somewhat later.

soon outgrown. It was taken to Olym-pla, where the first paper in the territory printing in colors. Both the new presses of Washington, the Ploneer, was printed will be driven by electric power by direct A Washington hand press, upon It. which was regarded as very modern for machines. These presses represent the this country, took its place in The Ore- | very latest development in printing magomian office. This "machine" had a chines, and with them The Oregonian capacity about double that of the Ramage will have unsurpressed facilities for turnit displaced. It served until 1862, when | ing out a modern newspaper. it want to print the first paper in Idaho, and the first of the series of Hoe gonlan was installed.

applied to it until it had been printing The Oregonian about two years. An enormous amount of presswork was done on this machine, which was the only gonian kept its force and equipment in on this machine, which was the only available press for the job work and the papers printed in Porland for several ern standard always, but for many years years. The state printing was done on it that involved little except adding to the when Mr. Pittock was state printer. "Patents" or ready prints for the country type machines were put in. Ten of these papers of the Northwest were also issued from The Oregonian press in those years. In 1866 the Herald was established, and it brought an old Rallway press, but that was never used for any other purpose than to print the Herald. The Oregonian press had a bed 28x42 inches, and it could print 1000 sheets an hour. For years it was worked to its full capacity 14 to 16 hours every day. About the year 1864 the Buckley folding machine was invented down in Vermont and before the patent was a year old of the new folders was at work in . The Oregonian shop, years before a newspaper folder was used in San Francisco. This was a great strike for The Oregoman, for it soon had strong competition in this field. The Daily Union, a cooperative concern, for a time threatened the supremacy of The Oregonian, but the ability of The Oregonian to get its edition out in advance of its competitor proved of great value and the other paper fell behind in the struggle. There were carly mails to catch in those days, and The Oregonian, by reason of its superior facilities, was always in time for the mails, while the others were frequently left. This folder was an important agent in the success of the paper then. One of Hoe's largest single small-cylinder two-revolution presses was added to The Oregonian's printing facilities in 1871. This machine printed sheets 40x60 inches at the rate of 1500 an hour. The paper was "worked and turned"; that is, it had to be run through the press twice before a complete paper was produced, but at the latter impression two complete papers were turned out. Both these presses were soon crowded with work, and in 1880 a Hoe double-cylinder mammoth press, the largest press made to feed by hand, was put in. In order to make room for this machine, the old drum cylinder was sold, and it went to where it is still doing good work for the independent. The new Hoe printed 2000 papers an hour, and it enabled The Oregonian to make a great stride forward. In less than four years, however, its limit was reached, and in 1554 it was superseded by a Hoe web **POLATY** press, which printed from type placed on "turtles" making a segment of the cylinder. This was the first web. continuous sheet, printing press installed north of San Francisco. Type was used on this press until about the year 1888. when the first stereotype foundry in the Northwest was introduced in The Oregonian shop and the "turtles" were adjusted to take the stereotype plates instead of the type forms. When this press came into use, the old separate folder was laid aside, the new machine being complete with folder attachment and capable of turning off 12,000 papers an hour. The double-cylinder press was taken to Scattle, where it printed the Post-Intelligencer until its destruction in the big fire of 1885 The next press to serve The Oregonian as the one that is still printing the per, a Hoe double-supplement perfectma the iress that was installed in December, It represented the latest develop-

45,000 up to 12 pages, 26,000 of 16 pages, and The Ramage press on which the first 24,000 up to 24 pages, 54,000 of 16 pages, and copy of The Oregonian was printed was three rolls or webs of paper at the same connection, the motors being built in the

From Gutenberg to Mergenthaler the basis of the printing art remained pracpresses that have since printed The Ore- tically without change. For four and a half centuries men set movable type by gonian was installed. The old drum-cylinder Hoe was the first steam-power press north of San in the business and machines took the Francisco, though steam power was not basis of reckoning was established. An type machines were put in. Ten of these machines are now in operation in The Oregonian composing-room, and the entire body of the paper is set with them. A considerable part of the heading and display advertisements even is set with them. Various type faces are used, and changes may be made at any time. The



THE OREGONIAN'S NEW THREE-ROLL SETTUPLE PERFECTING HOE PRESS.

machina prints and delivers folded 72,000 8-page papers per hour; 48,000 10- or 12-page papers per hour; 30,000 16-page papers per hour; or , 20- or 24-page papers per hour. It will be installed in The Oregonian preservoor after the new quadruple perfecting Hos press is in position.

for me to try my hand in giving to your name to be given to the first paper pub-readers the trials and tribulations of the lished in Portland. A sheet was carefully readers the trials and tribulations of the laid upon the form, the foreman the first "devil" that weided the broom, the laid upon the form, the foreman the the impression, when the guests each took the impression, when the guests each took hold of the paper by the edge and carein detail for a period of 50 years, and my data may not be up to chronometer correctness; yet I will endeavor to note down events that may come to my mind connected with my career and apprenticeship on The Oregonian, and the continuance of many years' service up to the advent of the linotype, as carrier, 'devil" and compositor.

Fifty years ago! How well I remember being ushered into the august presence of the foreman, Mr. Berry, by Mr. Dryer, the editor and proprietor. In his gruff but good-natured way he remarked:

"Here, Mr. Berry, is a boy for you. Put him to work. I think he will fill the bill and make a first-rate 'devil.' "

I was somewhat astonished at the remark as to the "devil" part, but it was not long before I found out its meaning In its fullest import. This being my first acceptance of a new broom, and by the foreman was given the injunction to sweep clean. This task being finished, I

fully lifted it from the types. At this juncture Mr. Dryer proclaimed the name, "The Oregonian," amid cheers and congratulations. Those participating, as I remember, were: Messra Daniel H. Lownsdale, W. W. Chapman, Stephen Coffin (the proprietors of the townsite), Ami P. Dennison, A. P. Ankany, W. W. Baker, J. Terwilliger, Thomas and James Stephans, Job McNamee, Benjamin Allen, T. J.

Dryer, Mr. Berry, and others whom I cannot bring to mind at present. W. W. Baker and the writer are, I think, the only two now living of the party assem-bled at the christening on that memorable night. The office was afterward moved to the northeast corner of First and Morrison, the present location of the Occidental Hotel. There it was that the plant was enlarged and an additional force of printers added.

Wages at that time were \$25 per week. job on my own hook. I feit somewhat important. My first "official" act was the There are those yet in Portland who will most of whom have joined the silent ma-jority. W. A. Daly arrived about this time, first mate of a vessel from Honowas taken into a small room in the rear of the composing-room and introduced to soon teek a situation on The Oregonian, a large copper kettle, known by the where he worked for a number of years, pressman as the "composition kettle," John Riley, Daniei Lindsay, Edward Shet-with an order from my worthy boss to field, George Lee and E. T. Gunn were extract the glucose substance from the among printers who were at various times employed in the office. H. L. Pitto work with a will, and after about 10 tock became foreman of the office, in course of a few years, and were it not for his well-known aversion to appearing in public print, I could and would chroncile many incidents in his administration of affairs that made the "boys" happy, as matters were in a somewhat muddled condition when he took charge. To my To my own knowledge, it was a continuous struggle during the '50s and '60c. The carrier boy's experience in the early, days of Portland was varied, and considerable hardship and fatigue was gone through, as he was always loaded with from 100 to 150 copies on each of his titps, going first north from Morrison and then south to the southern limit. The streets, if such they could be called, were in a primitive state-no effewalks, and some not even graded. In fact, they were nearly in as bad condition as some of them at the present day. In those days the carrier looked forward with great expectations and pleasure when his "carrier's address" was to appear, generally New Year's day, whereby he was kindly, remembered and remunerated by his patrons, some giving Bberally, other scantily; but, all in all, it was cheering to the faithful carrier. One centleman, I remember with kindly feelings, gave me \$5 for a copy of my first address, and his nextor neighbor gave me25cents very reluctantly with the admonition that he wished after this I would "get his paper to him by 6 A. M., as he desired to be at his store by 7." Comment is unnecessary, as he doesn't need the paper now. T. J. Dryer wrote my first address, Sylvester noyer my second, and my good friend and fellow-craftsman, Ed Sheffleid, my third. The latter, I learn, is now practicing law in some of the Eastern cities The practice of giving carrier boys a New Year's address has seemingly gone out of date, being supplanted by monster New Year editions, whereby all concerned are benefited by large sales. and a corresponding large per cent to the carrier. A few months after the establishment of The Oregonian-I cannot state as to the exact time-there came upon the field seeking patronage and support a news-paper plant, editor, proprietors and printers, the Star, which had made a start at Milwaukie, Clackamas County. The above town was considered then the future metropolis, being at that time thought to be at the head of navigation. This paper was edited by John Orvis Wa-One man can, on a Margenthaler linotype, perform the labor of five compositerman, a Vermonter, but nevertheless a the old hand process. Ten of these machines are running day and night Democrat of the Jeffersonian-simplicity stripe. The proprietors were W. D. Car-ter and R. D. Austin. They located their office on First street, between Stark and Washington, afterward on Washington between First and Second. Mr. Dryer was globe are waiting for us at our door when | tory services by being sent to a first-class we rise this morning. While one set of hotel near by after a "bucket of edi-men was getting the telegraphic news torial." The office was at that time lo-be truthfully said, fought for that which he thought was right and just, at great odds against him, during the territorial The Oregonian made no attempt to maintain an art department or to print preparing "copy" have greatly improved charlot of destruction against anything C. H. HILL.

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COMPOSITOR AT HIS CASE.

by hand has been superseded in the The old-time compositor, showe in the above illustration, has given machines. way before the advance of improved machinery.

change from hand composition to ma- are comparatively few. This form of chines is the only material one that has illustrating is by no means outgrown. come to the art of typesetting since The Haif-tone pictures have largely super-Oregonian first appeared, and this paper soded line drawings, however, in cases artist has drawn a portrait of the leading into the paper, another set was attend- cated in the second story of a building was among the earlier ones to take ad- where good photographic copy can be ob- General or map of the battle-field, and it ing to local news, and another set to ad- at the northwest corner of Front and vantage of the improvement.

maintain an art department or to print preparing "copy" have greatly improved mercotyping-room, where an impression illustrations until about 10 years ago since the first number of The Oregonian of it is taken in molet paper-mache, that Then an artist was added to its staff, and appeared in 1850. For many years there is baked hard, and this serves as a mold past half century been more marked.



and numbers them, and compositors each take a "take" and set the matter at the machines. A galley boy takes proofs of the matter, and these go to the proofreaders, who mark any errors that may have been made in setting. The proofs then go to the men who set the matter, and they set corrected lines, which are then put in place of the faulty ones. Then the matter goes to the imposing stone, where the forms, or pages, are

made up, and the battle news, being important, is put on the first page with a big heading over it. In the meantime an

inner lining of said receptacle. I went hours' scraping and polishing handed my work over as finished in good shape. I was then promoted to washing rollers. mixing ink, etc., winding up my initia-

into the paper, another set was attend- cated in the second story of a building

man endeavor has the progress of the what a time was indulged in at the birth. chariot of past half century been more marked. The outside had been printed, and the Democratic

tors by the old hand proc in The Oregonian office.

THE MODERN TYPESETTING MACHINE.