## [From the New York Hersld.] THE WONDERFUL TYPE-SETTING AND DISTRIBUTING MACHINE.

Our reporter was present yes erday when at hand. one of these machines was taken wholly The operator has only to read his manu- It is perfectly original throug o t in its apart, and, having a thorough scientific know- script and touch his keys. From practice his construction, no portion of its movements Doyle, is creating a sensation in that city. ledge of all kinds of machinery, he enables us fingers involuntarily pass to the key, as they being copied from any other kind of machi- The sets were composed of 16. to give a clearer and fuller idea of all its parts now do to the divisions in case. He can ac- nery. and mode of construction than has ever yet quire a facility of touching these keys much The inventor, being a practical printer, as Leen laid bef re the public.

a young man named Alden, who spent his life, nals upon the "register wheel" in advance of for so his invention may be called-all the as well as life's means, in working out the the delivery-even to the extent of sixty let- thousand little converiences and agencies for sedes the uses of the compositor, and asks of alarm that the "register wheel" is full. The susceptible. him no fingers to detect and seize the several compositor then s ops to read his copy before | He was certainly a most extraordinary pertypes, set them in order and array them in him, and justifies that which he has already son, and this invention must be a most endurwords in the stick. The machine does all set up in page. All the while the letters pre- ing monument of his equal patience, s ead- fined in Sacramento on charges of murder. this like a living being, and sets them after- viously sent for are working in, and he is fastness, devotion and large grasp of mechanwards in gall y, then in page, etc.; and again ready to proceed with fresh composition. If ical genius. But, except the fame, he will asks no human fingers to separate the mass the operator makes a mistake by touching the reap none of the fruits of his discovery. and restore each type to its own sort in case. wrong key, he can easily correct it by turning Timothy Alden was a native of Massachu- a young eagle back into its shell. The ma hine can make no mistake; for its off all the signals upon the "register wheel," setts. For twenty years of his life he devotask is reduced to perfect law. An invention or a portion of them, as may be necessary. ted himself to the perfection of his invention, able of the age and world.

are made to stand, and these "a leys" (num- machinery of itself then takes charge of it. But he succeeded. He triumphed even be- with his face toward the east sea and his bering one hundred and eighty) are the sub- One line at a time becomes separated from the fore death; he lived just long enough to cry hinder part toward the u most sea, and h s stitutes for the usual boxes or divisions in mass or page by a powerful "lifter," and "Eureka;" to put the finishing stroke to his case. Into these "alleys" are placed one other appliances of machinery carry the line labors; to see his machine in successful and come up, because he hath done great things." hundred and fifty-four different characters, along to the end of a deep "alley," and then wondrous operation. Twenty years of his and they are so arranged as to hold exactly the "distributing conveyors" stop, and each, life, and life itself, and above forty thousand [ the same proportionate number of types that taking a letter, carries it home to its proper dol are in money, were expended in bringing passengers who recently arrived there by the the divisions in case contain. For instance, "alley." Nor can it be possible to make a into successful use a single one of his ma- Delta, from Bermuda, were Commodore Maury there are three "alleys" for the lower case a, mistake by misplacing a letter; for the gov- chines, and then his eyes closed upon the and a number of gentlemen who belong to while there is but one for the letter b, two for erning power is law itself; and that control- work forever. c, five for e, and so on throughout. These ing power is the different combinations of One man feeds the "distributor," composes, England. The Colonist thinks it is quite safe "alleys" are divided into six different sections, nicks in the type. The type, by the way, justifies and reads his own matter (thus doing with handles attached, allowing them to be may be cast at one-half cent less per pound away, in a great measure, with proof-readers,) raised up instantly, in order to change their than that made in the usual way, which is and is less liable to mistakes than by the more of the large Confederate war steamers font of ty, e to any other size. Directly before the ope ator is the "key- Old type, of any description, can be nicked there are a great many more "typographical board,' eight inches wide and fourteen in by the thousand with a simple plane, gaged errors' made in distributing than in setting Mason and Slidell from the Trent, lately length, and upon which are one hundred and to any form, and adapt i'self to this machine. type; and it is impossible for the "fingers" of chased two rebel steamers into Nassau, N. P., fifty-four keys, with silver-plated heads, re- The principle of "distribution" is much the this machine to place a type into its wrong where they found shelter and protection under sembling those of the concertina. These keys same as that of "setting," the only difference "alley." Hence its correctness. are all plainly lettered, and the entire alpha- being, in setting the leading power is the During the last twenty years of the invenbet of each class of letter is arranged within touch of the keys, while in distributing nine tor's life he depended mainly upon his cousin, spanning distance of the hand. They embrace little steel fingers feel out from the "distribu- Henry W. Alden, for funds to enable him to the Roman upper and lower cases, small caps, | ting box" into the nicks of the type, forming | continue on experimenting. He conceived the italics, double letter, numerals, punctuations, a particular combination, which is signalized plan of setting and distributing type by ma- to have been a carnival of blood. One of the signs and spaces. In the center of the table is the "main and the "fingers" upon it being changed from apprentice boy, standing at his case picking loon at the Commercial Hotel, who was knockwheel," thirty inches in diameter, revolving lower to upper grooves upon the "excavated up type. He was then heard to say that "if ed in the head, by a soldier, with a slung upon friction rollers, and upon its circumfer- rim," comparing with the combination of fin- his life should be spared to him, he would in shot. ence are thirty-six "conveyors," or hands, gers wh ch have dropped into the nicks upon vent a machine that would relieve compositors every other one of which attends to setting up the type. The other end of the fingers having of that offensive profession they were led to type, while every other alternate one is re- dropped against a "graduated stop," allows follow." He frequently remarked, too, that "Oh, war, wai! When will thy reign of terquired to distribute old matter into the same a passage way to open just the width of the "he should never live to reap the fruits of his ror cease-when will the nations learn war "alleys" from which the setting "conveyors," type, which is passed out through to the "con- discovery." He died at the age of thirty-nine, no more? Has the Prince of Peace forever or hands, take their type. Within the "main veyor," which receives it naturally and fol- just as he had golten out his patents in this departed, and are we lost in the vortex of wheel" is another, three inches wide and lows on with the "main wheel." The "con- country and Europe. Upon his death bed he twelve inches in diameter, revolving also upon veyors" go through the same revolution that directed his cous n how he should proceed in wife, and my childrer; my home-my allfriction rollers-encircling which there are the "setting conveyors" do in composing. nine rows of movable steel pins (the size of a As a matter of necessity, the machinery is and other relatives and friends, who Lad aided tide, and engulfed in national ruin?" eight inches in diameter, and on the outside seemingly a very complicated one, while, in of which there are eighteen grooves of pol- truth, its adjustment, as finally reached by the proceeded to make valuable improvements body's mouth. ished steel, filled nearly full with excavations. discoverer, is the simplest thing in the world. upon the machine, as he had been directed to Upon the inside of this "excavated rim" there One "alley," one "conveyor" and one key do by his cousin while on his death bed, in are nine steel rods connecting with the "inner constitute almost the entire machine-all the or er to insure perfect success. After having or register wheel," containing nine rows of rest is duplication. All the "keys" are alike, completel three machines, he caused one of steel pins. At one end of these rods, nearest all the "conveyors" are alike, and the "alleys" them to be put into practical use. There the the "inner wheel," there are "levers" attach- holding the type are also all alike. ed. The 'main wheel' revolves around the If the sorts in setting and distributing type means to go forward with manufacturing. outside of the "excavated rim," carrying with do, not run equally, or nearly so, there is Affairs remained in this way for a long time, it the "conveyors." Upon one end of these always a surplus kept ahead. When there until Char'es C. Yeaton became interested recently from sheer destitution, who was the "conveyors" there are nine movable polished are letters in the alphabet occupying more with Alden, and through that indomitable claimant under a will to an estate of no less steel ' fingers," which are protected outside than one "alley," the "conveyors" invariably perseverance and energy so characteristic of than seventeen millions of dollars. by sheet brass, and capable of being formed set from and distribute into the first line first. the man, he has been enabled to organize a into 512 different combinations (yet it is only If that "alley" becomes either full or empty stock company of \$100,000, and c mposed necessary to make a combination of 154 to the "conveyor" passes on to the next line. If chiefly of capitalists of this city. From the cause every type to be set up). The "fingers" the machine is distributing and not setting hour of his advent in the concern it has been glide along in the grooves upon the "excavated the types; and the "alleys" become full, the in active progress-order after order has been rim" (there being, of course, two grooves for "conveyers" stop no longer at the "alley," sent it-every hour brings some celebrity to each finger to work in), and when they reach but glide along to the "pi bag," and drop the examine the wonderful in chanism of the mathe part of the table nearest the operator all surplus therein. When the "pi bag" is full chine; and to this enterprising young man, the crinoline of a female smuggler at Memthe "fingers" are thrown flush into their lower the type is again set upon the table, and is cousin of the inventor, its assured success must groove. From the "keyboard" to the "r-gis sent to its allotted place. "Could anything be credited. ter wheel," having the steel pins upon it, be more like brain turned into brass?" We there are nine other rods attached. When the will defy any one to find the least fault with composer touches a key, signifying the char- any portion of this novel affair. there being a acter he wants, the signal is passed out to the provision made for any and every emergency "register wheel," through the rods, which act throughout the entire machine. No wear kees love the nigge ." The Louisville Journal also pledged themselves not to kill on the as a medium, and there registers the charac- whatever is made upon the type.

## THE DESERET NEWS.

wheel," and passes the type into a deep, long ment, thereby setting and distributing 40,000 tion-"that all negroes shall have their rights, "alley," directly in front of the operator, as ems solid in the same number of hours. nicely and delicately as it is possible for the There is no possibility of the machine wear- skins and straight hair, as well as any other We can safely say that we have never natural fingers to execute. One character ing out with constant use, in twenty years, man." examined any other invention with so much follows another in the same way, and in-the and it is scarcely liable in any way to get gratification and astonishment as the "Alden same order in which the keys touched by the out of repair, as it is composed entirely of Tope-Setting and Dis ributing Machine." | composer's fingers may require; and when the iron, steel and brass. The only delicate parts Not only ourselves, but inventors and machi- matter set up reaches the further end of this of the works are covered up, and well pronists of the highest order, in this country and "alley," everything is broken into page, and tected from any accident likely to rise from from Europe, have inspected and witnessed there justified, ready to be carried off to the carelessness on the part of the operator. its operation, and without a single exception, press to be printed from. The "quads," thin Very little oil is used in working it-not over all look upon it with wondering admiration. spaces' and "hyphens" are distributed close a thimblefull in a month's time. It is designed

more rapidly than the 'carrying wheel' re- well as a fine inventive and patiently media-This machine is the work and invention of volves; and by so doing, he accumulates sig- tive genius, has introduced into his system-

like this must assuredly be the most remark- The most remarkable part of this machine and in a firm concentration of will and brain they make beer better. is the "distributing department," which is and money he exhausted all the resources of

You see before you a table of brass almost purely automatical. Both operations may be life, and wore out life itself prematurely in delivered to his troops on a recent Sunday a

then tilts and passes on with the "main eight revo'utions, which is still a slow move- - A new light Abolitionist defines his posi-

di covery. We need not say that it super- ters-at which instant a bell inside gives the expedition of which the art of type setting is

and ought, in justice, to be entitled to white

-Manufacturers of "fine cut" tobacco bave put up the price 33 per cent., and cut down the quality of the article in like proportion. This makes an increase of 66 per cent. in the price; and the fine cut now in market is made of old mattresses saturated in tobacco juice.

-A new dance-the ' York and La caster to be worked by steam, horse or treadle power. quadrilles"-introduced at a hall given lately at Halifax by His Excellency Major General

> -The rates of passage from San Francisco to New York, byregular steamer of the 1st inst., were: first cabin, \$267 and \$241; s cond cabin, \$161; steerage, \$107.

> -At a shooting affray among the Chinese of Carson City, lately, one or two women were killed and others wounded.

-There were recently eleven persons con-

-In a thanksgiving sermon at San Francisco, Dr. Wadsworth said that you could no more destroy this nation than you could crowd

-Why are two t's like hops? Because

-Stonewall Jackson is reported to have

circular, the part nearest the operator only carried on together, or separately. The the labor. The incessant strain for so long being flattened; and at a slight elevation you operator pays no attention whatever to the a peried upon his active intellect proved too see, radiating from the center, numerous deep distribution, except to place a page of dead exhaustive for a physique naturally feeble, and off from you the Northern army, and will "alleys" of brass also, within which the types matter (even "pi-lot") upon the table, and the he sank under his task of genius.

readily accounted for by the saving of metal. usual way of composition. For instance, about completed in England.

discourse upon a text from Joel, chapter 2 verse 20, as follows: "But I will remove far drive him into a land barren and desolate, stink shall come up, and his ill savor shall

-The Halifax papers say that among the the Southern army and navy, en route for in hazarding the conjecture that some at least are on their way to take charge of one or

-Admiral Wilkes-the same who took the British flag. But when Wilkes also sought to enter, he was refused permission.

-Five men were murdered in Nashville, Tenn., on Thursday night, 4th inst. It seems to the "conveyor" stopping for the character, chinery at the age of nineteen years, while an victims was Mr. Hollister, keeper of the sa-

> -A soldier in Tennessee writes to the Missouri Republican in the following doleful strain: revolution? My country, my country, my the future, bequeathing his invention to him are we all to be swept away on this turbulent

shingle nail) perforating it. Encompassing wonderfully nice, the agencies and dependen- him while engaged so many years upon his this wheel is a wide "stationary rim," twenty- cies very numerous, and the whole fabric arduous task.

ter, by pushing out a certain combination of There are numerous points of equal beauty a large portion of the population of the Sou h, pins, and as the "register wheel" revolves and utility in its adaptation of means to ends it is pre ty strong indication that the chivalry the pins thrown out pass under and tilt the and in its gene al working. Nothing can be "love the nigger." ty's ship Resistance has been court-martialid little levers attached to the nine steel rods more admirable than the delicacy and fitness and reprimanded for disrespece to his capta n -The latest musical intelligence is that, communicating with the "excavated rim," of all its parts, and the exquisite nicely with since the army changed its base, the press has thus changing the combination in the grooves which the several types, not omitting the slenpocket. change its tenor. upon the "excavated rim," equalizing the derest spaces, are kept in place, and made -"I was just minding that I have buried "Vanity Fair" quaintly remarks that the combination of pins upon the "register wheel;" each to pass to and from its "alley" and five hunder and ninety-eight folk since I was rebel Capt. Semm s was placed upon the and when the first "conveyor" passes by it made also to rise and lift itself into proper first made bedral o' Ancrum," said an old retired list by the United States Naval Board takes its signal by certain of the "fingers" position. If any o ething more than another upon it being thrown into the upper grooves astounds us, it is that so little and such sim- grave-digger on his death-bed, "and I was because he was a "fast man," and therefore anxious that I might be spared to make it the an inefficient officer. As the old fogies obequivalent to the combination of pins which ple machinery can effect such miraculous jected to his 2 40 gait then, what a pity it is sax hunder." are thrown out upon the "register wheel." results. The machine is almost wholly de--Lieut. J hnson of the 17.h Kentucky re- some of them can't overtake him now on his When the "conveyor" reaches the "alley" pendent upon positive instead of spring movegiment, who presented his resignation on ac- 290. containing the character desired, it is instantly ments. -A French paper, the Paris Patrie, says, stopped, and the fingers drop into the excava- The "main wheel" has only to make six count of the President's Emancipation Protions upon the stationary rim, comparing with revolutions per minute to set up and distribute clamation, was at once placed under arrest, "Oh that we could speak at this distance in the manner in which the fingers are thrown; 64,800 characters in ten hours, which is dismissed the service in disgrace, and his President Davis' ears." The editor would then the "conveyor" slides on its center while evuivalent to 30,000 ems solid matter. If the insignia of office stripped from him in presence have Jeff's ears extend all the way across the taking out its type, which is fimly held; it operator chooses, he can run the wheel to of the whole regiment. Atlantic.

work stopped for the want of additional

## FACTS AND FICTION.

-The Charleston Mercury says, "The Yansharply retorts that, from the complexion of Satbath.

-Some author tells us that much is said Henry W. Alden, after the inventor's death, about the tongue. True, the thing is in every-

> -Mercurialization may loosen the teeth, long use may wear them out, but keep them clean and they will never decay. Use a quill pick, and rinse the mouth after eating. Brush and Castile soap every morning; the brush and simple water on going to bed.

> -An old lady died in the streets of London

-Com. Porter promises the opening of the Mississippi as a Christmas present to the United States. If he keeps his promise, he will be a Santa Claus worth talking about.

-Twelve pairs of boots, containing twelve bottles of whisky, were taken from beneath phis recently, just as she was passing into Dixie.

-The pork packers, en masse, of Cincinnati have bound themselves not to receive hogs that have been killed on the Sabbath day, and the proprietors of s aughtering houses have

-A sub-lieutena t on b ard-of Her Majesin speaking to him with his 1 ft hand in h s