[From an Eastern paper.]

## How Printing Type are Made.

In the manufacture of printing type, various processes are gone through, all requiring very great accuracy and care. Many improvements will be effected. We shall give a brief and, we hope, a clear description of the modern manuhas peculiarities of its own, but the general principles are the same.

The letters, etc., are first cut upon a steel punch. This requires great skill. The characters are oftentimes extremely minute, and every pains is signs and ornaments in endless variety are thus cut.

There are also spaces used to separate words. Quadrats, which are larger than spaces, separate sentences, and in general occupy the position type. In a full font of type there are about 300 different characters.

The cost of the separate punches varies from two to fifty dollars. After the punch has been cut, it is indented to a certain depth into a block of copper; this is called the matrix. Electrotypmeans type founders are enabled to avail themselves of each other's labor. Business morality priety of the practice.

An apparatus denominated the mold is used for | face face of 16 square inches. forming the body of the type, and to this mold, who adjusts the matrices to the mold is called a justifier, or more commonly a fitter. All the sions.

the body of a type, the perpendicular face of we see on show-bills, etc., are cut in wood. which is precisely the same as that of the letter W, several times as wide.

also have all their lines at exact right angles; without this they would not stand in line, and would consequently be useless. If the types varied in height, they would not give a perfect impression, in endeavoring to obtain which, some would be subjected to an injurious pressure.

A few types have a portion of the face of the this projection is called the kern, and in combination with other letters the projecting part generally extends over the next letter, as in fe. In those combinations, wherein the kern would come in contact with another letter, compound types are cast, as in the case of ff, fi, fl, ffi, ffl. Some years since these combinations were much more numerous, but many have been dispensed with by altering the form of the letter.

day can be cast by one man.

rapidity, but only for a short time.

York, and put in operation in Mr. White's foun- ning a perfect sluice. dry, since which time it has been greatly improv- Some of the women are very comely, and in whist counters, purses and boxes, stude and Jade box.

occasionally been obtained, though the actual re- | together like so much firewood. tinuance of such speed.

by bringing the type in contact with a smooth the Western world. stone, prepared for the purpose, and moving it | The new comer delivers his letters and calls

several at the same time. Those letters which make; and then, if properly introduced, come at- but to-morrow I am bound to the north, and my are kerned as before described, cannot be wholly tentions on every side. My home is delightful next chit-chat you may expect from Shanghai or rubbed upon a flat surface, and they are conse- and my kind entertainer makes me feel that dur- Foo Chow Foo. quently filed smooth by an ingenious contrivance, ing my stay in Canton his house is mine. He which prevents the kern from being injured.

After this operation the types are set together, him one of the most industrious men I ever saw. with the faces downward, in a composing stick Breakfasting, tiffing, dining, excursion parties to have been made, nor is it improbable that more eight inches long, and thence are transferred to the White hill, to the Honan temple, the Parsee the setting stick, which is one yard in length. gardens, the curiosity shops, music in the even-Those who do this are called setters. The dress- ing, or bowls, or billiards, or books, or papersfacture of type, as we have observed it in a large | er now takes the setting sticks, and placing the | you may take your choice; but your time will establishment of this city. Each establishment line of type upon a flat surface, tightens it with a soon fly away among a people who only try to screw; then, with a piece of steel having sharp anticipate your wants and pleasure. angles, he rubs off the edges, turning the line of | The billiard room and bowling alley are private type for that purpose. They are then placed, clubs, well managed and well attended; good tools face downward, in a vice, and the dresser, with a to work with and Chinese makers. At the readplane, cuts a small groove in the end, over the ing room you may find books and papers, and all taken to precure not only individual beauty, but place from which the jet has been removed. He the printed gossip of the day, as at the Hong general uniformity. Not only letters, but figures, now carefully examines the faces with a magnify- | Kong Club. You can soon do up the lions of the ing glass, rejecting all such as are in the least im- place, after you have gone round the walls of

are placed together, side by side, upon a small ing in at the gate. board with a frame on three edges, until there is After you have looked into the shops in old and among type that is represented by the unprinted a page. The page is uniform in size, being 6 by new China streets, walked round the factory garparts, both spaces and quadrats being shorter than 41 inches. A cord is then drawn several times den, where foreigners are allowed the entire space tightly around the page, and it is wrapped up in of about eight hundred feet in length by one hunpaper ready for the printer.

of antimony, tin and lead. These are used in va- lic promenade and nothing more, and you have rious proportions, according to the size of the let- been once all round to see whom you may know, ed on the left hip T L. Whoever will return the same to ter and the degree of elasticity required. Lately, and in one week's time most likely you know ing has of late years been used for the purpose of a process, by which the face of the type is coated them all, for knowing one it secures the entree obtaining matrices from the type itself, by which with copper, thereby increasing its durability, to the rest. has been adopted to a considerable extent.

is of a most elastic quality, and it would be a varieties of type in use-now they are to be the way it is got up, and talked with some of the useless expenditure of time to question the pro- counted by hundreds. They are cast from the Chinese merchants who insist upon your taking most minute size up to large blocks having a sur- with them a cup of tea without milk or sugar,

which answers for all the types of a font, the 201 lines measure 12 inches. Of an averaged- of these Hong merchants and heard them expound different matrices are adjusted as required. He sized Diamond letter, 81.274 may be impressed on commercial affairs; after you have been over the a surface of one square foot; and there are Dia- Dutch Folly, the pavilion of the fire genii, the mond spaces so small that 203,207 will go to a Lyre pagoda at Wampoa; the wonderful gardens types of a font are of the same length and depth, square foot, or 1,411 to the square inch; and of -wonderful because so singular and novel; after though the letters upon them vary in their dimen- these about 6,200 are obtained from one pound you have seen the duck-hatching up the river, of metal. The largest letter regularly supplied where the young ducks are traced in all their The mold is so constructed as to admit of the by type founders is called twelve line pica; these stages; after you have been to the White Hills on width being altered to suit the letters to be cast; are two inches on the perpendicular face, varying your Chinese pony, or carried up by your Chithus the letter I., which is very narrow, is upon in width with the letter. The larger sizes that nese coolie, in your Chinese chair, and looked

sketch of the origin, progress, and present condi- and pagodas; after you have perfectly satisfied It is necessary that the bodies of types should | tion of an art which has already accomplished so | your curiosity by looking at the flower boats and much for mankind. Eulogium has been exhaust- gazing at the beautiful specimen of Chinese frail- and rather poor. Whoever will bring the same to the ed in its praise-it is beyond all praise; like the ly so fantastically dressed; after you have seen stray pen or my residence in the 17th Ward, opposite G. sun, the air, it is a necessity-"The Art Pre- all these, you will have a right to say that you servative of all Arts."

corrected superstition, and overthrown armies. It once seen it is time to go over the ground a sestrengthens the brave, encourages the timid, in- sond time. letter projecting over the body, as in the letter f; spires the desponding, and consoles the afflicted. -Its light penetrates the darkest dungeon and years old, but no foreigners have ever had the encheers the most humble cottage. Truth accom- tree to its interior. Notwithstanding the treaty panies it and error flees before it. It will regen- provides for going into Canton, by diplomacy and erate the world!

### Australia."] CANTON.

The next operation is that of casting. The At last I am in sight of Canton, the grand capiold method, which is even to the present time tal of China trade, where heads of houses most annum. In 1822 most of these buildings were generally used in England, may be thus describ- do congregate-where money is obtained from destroyed by fire. The residents are called fac- itants of Great Salt Lake City and the Territory generally ed. The matrix having been adjusted to the wealthy Chinamen, middle-men, brokers, etc., tors; hence the name factories. On every side mold, is taken by the caster in his left hand. At | who get it from bankers in the interior-where of you, Pigeon English-that horrible jargon of his right, upon a furnace, is a not of molten met- orders are given to the houses and agents up and al. This metal he dips out in suitable quantities down the coast where wires are pulled-secret | meets you. From boatwomen to shopmen- get it. with a small ladle, and pours into the mould, at expeditions fitted out-teas and silks and imports houseboy to compradore-you hear nothing else. the same time giving a quick upward jerk, for the are talked on an extensive scale-where so many purpose of forcing the metal well into the matrix, merchants have made in a few years of active lato give the type a good face. A spring which bor fortunes in the trade, and where hospitality have failed to do it. I can only remember its holds the matrix in its proper position, is then re- abounds and kind attentions are showered upon commencement. moved; the matrix is pried out from off the type, the stranger. Yes, this far-famed Canton. the mold opened, and the type thrown out. By known to every school boy, and every young Send for your hat, and this would be the style: this method an average of about 4000 types per merchant who ever learned to talk ship-Canton, "Go top side-sabe-that hat-pay my." A deposited at the Descret Store, and those who are in need the centre of all Eastern exchange, the grand noise is heard in an adjoining street; the cause, says to bring in their grain, &c., and be prepared to make the An important improvement was made in 1814, bourse of Chinese Asia.

by Archibald Binney, of Philadelphia, whereby, The cabmen of Albany-the hack drivers of with one motion of the hand, the matrix was Montreal-the kling boatmen of Singapore, must "Mrs. Pigtail of a boy." I called upon some la- ply the present wants of a large portion of this commuthrown out and the mold then opened. This retire in favor of the boatwomen that came near dies; boy returns: "No man can see," intimat- nity. invention increased the rapidity with which types | smothering our boat in order to get a fare to the | ing probably that they were not at home. For were cast at least fifty per cent. Type casters pier; such an infernal yelling and jabbering, pul- "yes," read "can do." "How many to dinner Friday the 25th inst. and re-opened for business Oct. 6th. acquired great expertness, and with the hand ling and hauling, rowing and sculling, screeching molds were enabled to cast with extraordinary and gesticulating, can be found nowhere else. Why, it is enough to drive one into a lunatic asy-In 1828 the casting machine was patented by lum. It ought not to be tolerated, for sometimes be considered the veriest barbarian did I not. I William M. Johnson, an ingenious citizen of New it is positively dangerous when the tide is run-

ed. By this contrivance, a pump inserted in the their peculiar Bloomer costume and strikingly stone, bronze ornaments, bamboo work, carved molten metal injects the requisite quantity into original style of head dress, you can but be atthe mold, which is brought sharply into contact | tracted. As in Hong Kong, twenty-five cents is | silver and copper ornaments, and a thousand other with the piston; the mold then comes off from all they expect for rowing ashore a boat load. little notions which will soon reduce your loose the pump, opens, and discharges the type into a After paying in some cases from \$10 to \$15 in cash, especially where your sovereign or pound Lard, Tallow, pickled Tongues, &c., &c. Melbourne, I really felt ashamed to give the girls sterling is worth but \$4. It makes a wide differ-In type foundries, generally, this machine is here so little; but I was cautioned against intro- ence in one's finances. worked by hand; but in the one we had the plea- ducing bad habits by giving them more. These sure of examining, steam power is successfully poor creatures live entirely upon the river, and and its sister ports-younger in experience, applied. At least three times the number of type how I cannot tell, for in the vicinity of Canton can be cast by the machine than by the ordinary | there must be at least from 50,000 to 60,000. A hand mold, and a velocity of 200 revolutions per typhoon or a fire, I should think, would comminute (each revolution forming one type) has pletely sweep them away, for they lie huddled

mold, has a piece of metal, called the jet, attached pleasant returns of the year to the eighteen Euthe breaker, and the singular swiftness of all his ton, whose cordial welcome is most pleasant to lish. motions is truly astonishing. Smart lads or girls, remember. Beautiful houses, large and commothese operations with such rapidity as to pain the small alley-way, splendidly furnished, and none eye that observes them. The jets having been re- without engravings or pictures; fancy Chinese the inequalities upon the sides. This is effected seemed fresh and new to me, all different from

from side to side. The rubbers generally smooth upon those whose acquaintance he wishes to

has done a large business in his day, and I think

Canton and run the risk of getting your nose The perfect types are now formed, and they punched by a bamboo for your boldness in look-

dred and twenty deep, for trees and plants, a Type metal is readily fusible, and is composed church, a lodge and benches, and paths, for pub-

After you have been through the hongs and gothe grounds in the cups, each made expressly for HURSDAY evening, 19th inst., a Of Diamond types (the smallest size in use) each person; after you have chin-chinned several down upon the City of Canton, with its one hun-Such is a brief, and, we feel, very imperfect dred and twenty-four temples and halls, pavilions have killed all the lions at Canton. It takes but It has enlightened ignorance, dispersed error, a short time to run through the list, and when

> The City of Canton is about one thousand and intrigue the Chinese officials have managed to break faith, and keep out all outsiders. How The foreign population of the Hongs occupy about fourteen acres of land, none of which can oe owned by the residents. Some of the Hongs rent for \$4,000, and so on down to \$1,200 per mutilated baby talk which custom has made law All persons having work in my possession please call and I endeavored to get a copy of Hamlet's soliloquy, which was translated into Pigeon English, but I

"To be or not to be" reads: "Can-no can." the servant, is "Chiney woman have catchy one exchange for the articles needed. piece bull chilo." In other words, it would read: this evening?" My boy promptly replies: "Four piece man-two piece missie." Of course I have laid in a good stock of Chinese presents; I should have been through all the shops buying sandal wood fans and card cases, ivory chess men and necklaces and walnuts, and bracelets and rings,

Since the rebellion, Canton has been active, Tannery and Leather business continued at the old place. younger in commerce, younger in years—are indebted to them would call and settle forthwith, and any gradually taking away her prestige. Foo Choo is having claims present them and take your pay. 34tf getting the black teas, while Shanghai takes the silks in large quantities, and the green teas, but Canton, nevertheless, has the wealth, the capital, sults are by no means to be based upon that fact. | Arriving on New Year's morning I was most the headwork, the experience and the exchanges; Various causes operate to prevent a long con- fortunate; for, in accordance with our time-hon- she is still hard to beat, and may yet be able to ored custom, calls were being exchanged, and I hold her head as high as her northern branches. The types, after being discharged from the was just in time to pay my respects and wish the We must wait. I was much surprised to find such battalions of Parsees promenading in the to the bottom; this is broken off by a boy, called ropean, English and American ladies then in Can- factory gardens, all speaking understandable Eng-

These high turbaned merchants are taking off who have had sufficient experience, perform all dious, all joined together, or only separated by a the best share of the opium trade; and now a Executed to order in this office; and having received some clipper steamer, the Lightning, plies between important additions to our stock of Calcutta and Cumsingmoon-opium and advices moved, the types are taken to another room. ornaments and specimens of every kind of Chi- her only "pigeon." Some of the names of these where boys and girls are engaged in rubbing off nese ingenuity met your gaze, and everything men seemed to have been given them purely for in the most approved style. the amusement of the Western merchant, for they have a strange sound, mixed up common and uncommon names, Scriptural and sectional. My In all its branches carried on in connection with this Orfew days' visit has gone, I can hardly tell where,

## Take Notice.

On Nov. 4, while marching from G. S. L. City, a man belonging to my command lost a Colt's Revolver, Navy size. The finder will please leave it with br. A. N. Hill at the General Tithing Office.

C. W. WEST, Col.

17th Ward.

# Married:

In this city, Nov. 16, 1857, by Elder W. Woodruff, Mr. NEPHI HAMPION and Miss JULIA ANN KATZ.

'Joy to the groom and to the bride bliss-Their union be ever like sweets of first kiss.?

## TAREN UP:

BOVE the Warm Springs, a brindle STEER CALF, about 8 months old. The owner is requested to call and pay expenses and take him away. GEO. M. BURGESS,

LOST.

N THE 8th of Nov. inst., from North Kanyon Ward, a roan Indian PONY MARE, brandme in City Bountiful, shall be liberally rewarded. THOS. F. FISHER.

JOHN CUTLER CTRAIGHTENS and FILES SAWS, Until within a few years there were but few downs, seen the tea prepared for shipmen, and prepared for shipmen for WANTED-Old Files, Chisels and Steel for Knives. Apply at the Public Works.

### LOST,

LAND WARRANT or Certificate for 160 acr s of Land, issued to Thomas Bingham for services in the Mormon Battalion. The finder will please return the same. W. H. HOOPER.

## STRAVED:

ROM THE BOTTOMS on Mill creek a white OX with a few light yellow spots on the body, 5 years old, has D Z rudely cut on the near horn; was turned out on Sep. 12. Whoever will bring same to me in 13th Ward shall be rewarded. J V LONG.

STRAVED:

SCAPED FROM MY STABLE in the 17th Ward, on Friday night last, Nov. 13th, a white HORSE, 14 or 15 hands high, with a hair lariat on, branded X on the left hip and sore back caused by saddle Wardle's Hall will be liberally rewarded.

B Y. HAMPTON.

NOTICE.

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JOHN H. PICKNELL is always on hand at C. Taylor's slaughter house to kill beeves for \$1 per head, and will pay a good price for hides. N.B. Tripe and cow heels always on hand.

## THE PUBLIC

RE hereby forbidden to pass and repass over the land known as Dr. Richards' pasture, and lying between the ten acre lots and Jordan river. [From "the American Merchant in Europe, Asia and much longer this will last remains to be seen. Such as transgress this prohibition will be liable to prosecution for trespass. BRIGHAM YOUNG, FRANKLIN D. RICHARDS.

# TO ALL THE SAINTS.

BRITTON, Goldsmith and Manufacturing Jeweller, wishes to inform the inhabthat he is carrying on the Jewellery Business in all its branches at the shop of J. M. Barlow, one door east of the Deseret Store, Tithing office block, G. S. L. City.

# WHEAT AND CLOTHING.

DRING along your substantial Clothing and Exchange on liberal terms for wheat, corn, cattle, pork and other domestic products, at the Deseret Store.

For the purpose of a more equal distribution of cloth ing throughout the settlements, it has been suggested by

Let everybody look over their wardrobes, turn out their

P.S. In consequence of the Annual State Fair being

# NOTICE TO THE PUBLIC.

TENNINGS & WINDER, are prepared to kill beeves for private families at their public Slaughterhouse. Persons wishing can have them cut up ready for salting and taken home. Charge for killing, \$1, or will take the hide and pay \$1,50.

# JENNINGS & WINDER'S

New Meat Market is on the corner North of J. Cain's .-Meats of all kinds and of the first quality always on hand. Also Pork and Belogna Sansage, dried Beef, corned Beef,

## JENNINGS & WINDER'S

The best price paid for hides of all kinds.

THURSDAY.

TERMS --- \$6 PER ANNUM.

Job and Ornamental Type, We are prepared to do work at reasonable rates, and

fice. Send in your orders.