GLOSSARY OF

MONOTYPE CASTER TERMS

Am Bar. A grooved har on the casting machine which alternately clamps and releases the paper ribclamps the paper, air is admitted to the groov and passes through the perforations in the paper to the pipes thus uncovered; these pipes lead to the air and normal wedge. Before the paper is unclamped the air is automatically shut of from the bar.

Am Press. Twenty-right air pins on the casting machine are lifted, and that no so at a sime, by machine are lifted, and the perforations in the part to bring the matrix for the character to be east over the mold into casting position, and also to position the normal wedge to give the correct size body when the mold blade is drawn tack to cast the type mechanism.

ALLOWANCE FOR SQUEEZE. Increasing the length of line over the required messure so that, when the type is locked up, the full pressure will come on the type lines and not on rules or leads between the lines.

AUTOMATIC CUTTER UNIT. Part of the lead and the lead and rule mold easetly to any desired length from six pleas to twenty-five inches or longer if tripped by hand. The shorter lengths are eaught in a box; those longer than nine picas are automatically stacked.

BLANK MATRIX. A matrix without a character driven in the lower end (opposite the cone-hole), used for casting quads and spaces. If the blank has no cone-hole, it produces a low quad or space.

CASTRON MCHTON. The composing machine casts and composet type in automatically justified lines and composet type in automatically justified lines and composition unit as applically and now which up to activation. By the plant is applied and in any width up to activation. By the fit all its operations by the plant is all its operations by the explorant operator. When equipped with the display type unit, it is the standard monodays composing for making type to be set by hand, all these including thirty-six point, the same as the type if rule is a six of the composition of the co

Caccuration Proc. A rod carried in an alignstable brashing in the bridge of the casting machine. The bower and of the centering pin is tapered to fit exactly the cone-bole of the matrix, which it enters at accurately, so that the character cast from it will be properly positioned on its body, and to champ the matrix on the modd while the type least on the modd while the type least of the cone-bole of the matrix for the character just east, and the matrix case most lost of the cone-bole of the matrix for the character just east, and the matrix case model into casting position.

CENTERING-PIN BUSHING. An adjustable holder for the centering pin that can be moved right or left front or back, and then locked in the required position. The stand that carries the bushing is adjusted in changing from one matrix case to another, to position correctly on their bodies the characters of the font to be cast, both point-ways (for alignment) and set-ways (for side bearing.)

CENTERING-PM MICROMETER. Two series on the casting machine for adjusting the bushing carrying the centering pin when lining up. One series adjust the centering pin elements of the center of the calignment, the other for a size of the center of the lining again. Thus the centering pin is quickly adjusted by turning the micrometer arrews as many notices as the gradient center of the center of

CHANGE BOX. A wooden box for temporarily storing matrices taken from a matrix case to make room for special characters. The box has fifteen slots corresponding to the fifteen rows of the matrix case, and is provided with a sliding lid to protect the matrices.

CLEANING ROB. A metal rod about three feet long with a handle on the upper end and on the lower end a perforated cap in which is placed, the lower end a perforated cap in which is placed, the metal in the notling furnace, thus carrying the metal cleaner to the bottom of the pot and mixing it thoroughly through the metal to bring the dross to the top.

COLUMN PUSHER. A mechanism on the casting machine that pushes the completed line, after it has been pulled forward from the type channel by the line hooks onto the galley. To permit this, the rule lifts so that the column pusher may pass under it.

Count. A toothed has in which are carried fifteen composition matrices; fifteen of these combs are carried in a matrix case. The matrices are growed to fi between the teeth of the comb and also to fit the combs and the combs are carried in the combs and the combs are carried, and combs are carried, and combs are carried, and of the comb for the next row of matrices. Note: For fourteen and eighteen-point composition there are but ten comb or degiteen-point composition there are but ten combs. The combs are carried to the combs of the combs are completely composition that are but ten combs. The combs are combs are combs are combs are combs are combs are combs and combs. The combs are combs are carried to the combs are combs are combs are combs are combs are carried to the combs are combs are carried to the combs are combs are combs are carried to the combs are

Composition Matrix Holder. A holder which takes one composition matrix at a time for easting sorts. It is used with either regular composition matrices or the matrices leased for sorts casting, for sizes twelve-point and smaller.

COMPRESSOR. An air pump for furnishing compressed air, at from twelve to fifteen pounds pressure, to drive the keyboard and to control the easting machine. The compressor is equipped with an automatic governor so that when no air is being used, the compressor runs "light" without compressing air.

CONDENSING TANK. A tank used to could the air, after it leaves the compressor, to condense the moisture in the air, which moisture is collected in a trap and thus prevented from being carried by the air into pressor passes through a coil in the condensing tank before it goes to the storage tank. This coil is cooled by the circulation of water around it; the water for the tank consess from the main water supply. The tank to the condensity the condensity the condensity that the condensity the condensity that the condensity

cooling the molds and also in the water jacket of the

CORRECTOR. A compositor who knows the relative unit values of monotype characters and who uses this knowledge when correcting monotype composition ,by hand at the case, to save time and labor.

Corrector. A compositor who knows the relative unit values of monotype characters and who uses this knowledge when correcting monotype composition, by hand at the case, to save time and labor.

Cross Block. A reciprocating block in the mold,

position, by naive at the case, to save time and labor. Choose Block. A reciprocating block in the mold, attached to the right end of the type carrier by a coupling, and moving right area from the coupling of the three couplings and moving right area from the coupling to the coupling of the coupling of the coupling of the three couplings of the coupling of the coupling of the sand returned to the other couplings of the coupling of the

Cross Girr. The part of the casting machine on which the air bar clamps the paper and from which the air pipes lead to the sir pins.

the air paper issue to the zer plans. Ye he keyboost paper by the paper of the pape

DEADWOOD. Characters set by the keyboard operator, of the proper width, to be replaced by rules, initial letters, side heads, etc.

Display Type. The larger point-sizes of type (above 12-point) cast as sorts to be set by hand from the case, instead of being cast automatically justified lines.

Danas Tyra Usar. An attachment for the custing machine required for casting type from sorts matrices and for casting leads, rules, and slags. It is furnished as part of the type for rule caster and can also be applied to the composing machine the composing particles of the composing particl

DISTRIBUTION. Returning the types to their respective boxes in the cases after printing. Necessary for display type only in Monotype equipped shops.

Double Matrix. A matrix 2"x4" (double the size of the ordinary matrix) carried in the matrix case with the regular matrices (2"x2"), for producing figures, or other characters, up to thirty-six points in size in regular composition.

Dross. Oxide of lead and dirt that must be removed from metal in the melting pot of the casting machine and also from the type melted in the melting furnace to be cast into pigs. Engir-unit Leader. A leader of exactly the same face as the nine-unit leader, but cast central on a body eight units wide. (It is not a 9-unit leader matrix carried in the eight-unit row.) It is used to bring the unit wheel to even ems when the unit indicator shows any number from five to eight inclusive.

ELECTROTYPE GUARDS. One product of the tie up slug mold, consisting of a twelve-point slug with a recess for string are cast at the side of the body. Like all products of the lead and rule mold family, these guards are cast in continous strips of any length and automatically cut to any desired length from six pieses to twenty-free inches.

Fax. The width of the widest character (18-unit) of the font; cap M, for example. The monotype em is square only when the set of the face is the same as its point-size; for example, 10-point No. 8, which is ten-set. The em scale of the keyboard always indicates ems of the same set as the justifying scale in use.

Escata. A space eighteen units (I em) wide. An em-quad key is carried at the bottom of both right and left keybanks for convenience. In the matrix case, however, there is but one matrix for the en-quad and this set (open-time position); that it, at the intersection of the right and front rows. No perforations are made in the ribbon by the emquad keys.

Ex quab. A fixed space nine units wide. An en-quad key is carried at the bottom of both right and left keybanks for convenience. In the matrix case, however, there is but one matrix for the en-

EXTRA CHARACTERS. Any character used but not carried in the matrix case is an extra character; when one of these is required, the operator strikes a key for a character of the same width; this is exchanged for the required character by the corrector without affecting the justification.

Four, A full feat consists of the composition matrices for one point-size of a face, including caps, small caps, lower case, and figures of roman, and caps, lower case, and figures of roman, and caps, lower case, and figures of roman, and caps, lower caps, and figures, caps, and and caps, the caps of the caps, and the caps of the caps, but the caps of the caps, and the caps, and the from seventy-two to eighty-two characters, depending upon whether ligatures are supplied. A few partial fonts consist only of carp, point, and expenditures of the caps of the caps of the caps, and the caps, and the caps of the caps of the caps, and the caps only, treatly-served characters.

Galley Mechanism. That part of the casting machine which pulls the assembled line out of the type channel and places it on the galley.

HERMIT-DI-PAPIE. The distance from the surface on which the foot of the type rests to its face; that is, the surface which takes ink and prints on the paper. Height-to-paper equals 1996. To determine whether exper, measure the high quad; if this measures less than 886 'for a composition of the distance of the surface of

JUSTIFYING SPACE. The space produced by the justifying-space bar. These spaces are counted by

the hydroid as four units, and the size they are cant forew beat han the size they are counted it of determined by the justifying keys street at the end of the counter of the counter of the counter of the system than something the counter of the counter of the system than something the counter of the counter of the measure, without regard to the justifying sposes to excite in this section of the line to justify it to its measure, without regard to the justifying sposes to installation justifying sposes become four-unit fixed spaces of the set in use, with three-sight justification point of the set in use, with three-sight justification point composition unit the justifying space is counted point composition unit the justifying space is counted to seven units and this is the the maintenance of the seven units and this is the the maintenance of the seven units and this is the the maintenance of the setting maintenance of the se

partyring space cast. Two wedges at the casting machine which he between the space transfer wedge machine which he between the space transfer wedge machine which he between the space transfer wedge perfectations made by the partificing space at the key-board and, since those are the first perfect the wedges are at to make the justifician process of the space of the participation of the space of the participation of the first wedge [10], as it is moved from right to fair, and 600%. Two the state of the participation of the frest wedge [10], as it is moved to the participation of the frest wedge [10], as it is moved to the participation of the participat

JEMPITINO-WINGE GARE 4881. A be for spiral process. It is graduated to correspond with the text for the justifying wedges, and is numbered on every intermediate lines on the gage being half graduations. The spiral process of the process of the graduation represent. 5000° difference in the graduation represent. 5000° difference in the graduation represent. 5000° difference in the graduation represent of the graduation proposed to the graduation for the front justifying wedge 110 Det numbered graduation. When used to set the display justifying states of the graduation represent concepts of a point. In the graduation represent concepts of a point. In the cost led the display of the graduation represent concepts of a point. In the cost lie left end of the wedges. The reference met.

Kern. The overhang of the character beyond the body on which it is east. Monotype type may kern at the right or left for certain italic characters, for example "t" and at the top for figures east from the double matrix.

LEAD AND RULE MOLDS. These molds are used with the lead and rule unit and include all molds for easting in continuous strips of any length, rules, and high and low leads and slugs of any point-size from two to twelve inclusive. They work on the principle of casting and welding; each section as

cast is welded to the section previously cast, and the strip, as fast as completed, is delivered toward the right of the machine where it is cut to length by the automatic cutter unit.

Laxa and Build User. An attachment which can be applied to either the standard monotype or to the type of rule easter for producing rules, high and low leads and sing, tie-up slugs, and electrotype guards in continuous strips of any length from the same metal used for casting type. The lead and rule moles and the automatic cutter unit are part of this lead and rule unit.

Laxanes. There are four different size leaders in common user-eight, nine, tea, and eighteen units in common user-eight, nine, tea, and eighteen units to bring the unit wheel to even eme or half-ens. The miscault leaders is used in some tableau work in-Ton eighteen the common team of the common te

LEARNUM. A face is said to be leaded when it is east on a large size body, point-ways, than that for which it was designed, in order to save hand leading. When a face is thus cast on a larger body, it must be lined up by the line standard for the body-size, not body line at the bottom with face designed for that point-size; for example, eight-point faces cast on tenpoint body line with ten-point faces.

Lane Hooks. A mechanism on the casting machine that palls the completed line from the typechannel forward, in front of the galley, so that the column pusher may push the line to the right onto the galley; to permit this, the rule lifts and then descends to prevent the line falling to the left when the column pusher withdraws.

LEU SYLVANIAN A hardward steel resource used with the limit age of the limit got designing the stand that carries the contentespain bushing 10 positions with the limit and limit

LEXUNG GAGE. A gape with steek knife edge, adjustable by a micromorter serve, used with the line standard in lining up (adjusting the stand that carries the centering-pin busing) to position of the control of the con

Lining Up. Adjusting the stand that carries the centering-pin bushing so that the face of the type will be properly positioned on its body. In lining up

a font for composition, one character only (the cap H) is lined up; when casting sorts, each individual character should be tested. The line standard and lining gage are the tools used for lining up

Low Line. A few abnormally tall faces (6-point No. 56J, for example) with short descenders are cast on the low line; that is, 005." below standard matrix line.

MAIL-MAY FACES. These, like typewriter faces, have all characters, points, and figures on the same statement. Use at the keyboard the typewriter statement attachment and the statement were statement of the statement with Justice and the statement of the stateme

MATRIX. For composition: a piece of hardened broate. 2° square and 2 | 16° high. In its lower end is drawn of the piece of the piece of the produce, and in the upper end is bored the coue-hole in which the taper end of the centering-pin seats when the matrix for the required character is brought to enating position. The sides of the matrix are solor to enating position. The sides of the matrix are solor to the piece of the piece o

MATRIX CASE. A steel frame with an opening 3° square in which is carried a four of composition organs with fifteen matrices on a side. The perfect of the composition of the composition of the property of the composition of the perfect of the composition of the

MATRIX CASE ARRANGEMENT. The location of the 225 matrices (characters and spaces) in the matrix case. The arrangement depends upon the number of alphabets used together, and whether the bold face used be extended or condensed; also accessed to the condensed of the condensed of the matrix of the condensed of the condensed of the condensed of the access to obtain "nut-body" gargues on talkada work with faces whose sets are not the same as their point-size.

MATRIX SYMBOLS. Symbols composed of letters and figures stamped on the sides of the composition matrix to indicate the point-size, set-size, series number, and to prevent confusion of matrices for similar characters; for example, lower case and small cap x.

MRITING FURNACE. Used for remelting tupe, cleaning it and easting it into pigs for the casting machine.

MELTING POT. The part of the easting machine in which the metal is melted and from which it is forced into the mold by the pump. The melting pot is heated by gas burners beneath it (kerosene or gasilie may be substituted if necessary). The melting pot holds about fifty pounds of metal.

METAL CLEANER. A compound of the following proportions by measure: Beef tallow, 4 parts; an ammoniac, 4 parts; powdered rosin, 1 part. This is used in the cup on the lower end of the cleaning rod for cleaning the motion metal in the melting furnace; the cleaning rod for cleaning the motion metal in the melting furnace; the cleaning rod to the metal form dirt and from the metal from dirt sad from.

MICROMETER. An instrument used for measuring the point-size and set-size of type by the movement of a screw; gradutions on the frame, in which the screw works, permit of measuring accurately the amount the screw is moved.

MICROMETER-WEDGE ADJUSTING SCREW. An adjusting screw on the casting machine used to adjust exactly the set-size of type. This screw most the micrometer wedge, the abutment for the space and type transfer wedge.

Modified Charactee. A character which (because of change in unit-rows to meet special conditions) is recleained so that it may be cast on a narrower or wider body. Norm: This must not be compared with a character which, without being recleained with a character which, without heing recleained with a character which is placed in a unit-row wider than that for which it is placed in a unit-row wider than that for which is considered and easy with a shoulder to the left of the designed and easy with a shoulder to the left of the designed and easy with a shoulder to the

Mous Bason row Tyre Mous. This forms the rear side of the opening in the type model in which type is cast. The amount the blade draws back for a character depends upon the position of the normal wedge and determines the width line-ways (set-size) of the type-body. The thickness of the mod blade itself determines the thickness of the type-body columnt-wise (point-size). After a type is east, the columnt-wise (point-size). After a type is east, the pushes it out of the model into the type earrier while the moved to the right to receive the type.

MOLD-RLADE-ABUTMENT SCHEW. An adjusting screw on the casting machine for approximately sizing the type in changing from one set to another (changing normal wedges); the size is accurately determined by adjusting the micrometer-wedge adjusting screw.

MOLD-HARM-BRIERNY-SCHEN PACKING. A packing pice inserted between the mold blade and its abstract its ensure the mold blade and its abstract a packing pice inserted between the mold blade and its abstract (19 joints or less set-ways) with normal worder 478. When easting sorts more than nineteen points exist pice is severations points thick, so that, with the wedge in a given position, removing the packing pice in severate he set-size seventeen points.

NORMAL WERGE. A wedge used in the easting machine to centred the set-dise (width) of the type. He right end (in easting position) is tapered to vary the type size; its central portion is tothered so that its locking pin can hold the wedge in position, after it is moved by the lag on its left end to present the required thickness of its tapered portion to the mold blade. The normal wedge noves, inplied and left, with the variety case and determines the amount the mold blade draws back to allow for the width of the

character cast from the matrix brought to casting position when the wodge is moved. The normal wedge must correspond in set with the set of the justifying scale used at the keyboard when the ribbon is perforated and also in arrangement of unit-rows with the stophara used at the keyboard. For sorts with the stophara used at the keyboard. For sorts and the set of the automatically. NUMBLE-WIGH LOCKING PR: A rod whose lower and is wedge-shaped to fit in the toolsed portion of the normal wedge in which the model had been successful to the control with the model had been successful to the control wide and the successful to the su

NORME. The part of the pump that seats in the constal opening in the bottom of the mold, just become a type is east, and through which metal is forced into the mold. After the type is cast, the pump seends and withdraws the nozelie to preven! a proper childed by the continuous contact with the water-cooled mold.

NUT-BODT FIGURES. Figures whose set-eize (wid-th) is half of their point-size; thus, six-point nut-body figures are three points wide.

ONE-UNIT-OF-ONE-SET. The value of this expressed in inches is .0007085, and this is the basic value on which all the monotype calculations are value on which all the monotype calculations are based. It is a theoretical size obtained by first dividuals. based. It is a theoretical size obtained by first divid-ing a twelve-set face (which is 12 points wide, or 1.66°) into twelve equal parts to find the value of eighteen units of a one-set face. This is again divided by eighteen to find the value of one unit of this oneset face thus:

.166 */12+18=.0007685 *

PAPER RIBBON. A strip of paper four and five-sixteenths inches wide, with holes uniformly spaced along both edges to fit on the teeth of the paper feed along both edges to fit on the teeth of the paper feed wheels of the keyboard and the easting machine. The channel of the teeth of the channel of the teeth of the channel of the channel of the channel of the teeth of the channel of the channel of the channel of the the punches when a key is depressed. Of the ribbon these perforations, across the cast by permitting air, at all the channel of the state of the channel of the state of the channel of the channel of the matrix case. For each key struck, or channel cast, the air jure that cutrol the movement of the matrix tope. For each by struck, or character cast, the paper is advanced by the keyboard or cast of the paper is advanced by the keyboard or cast of the control of the control of the control absolutely the product of the automatic casting machine. As the paper feed strough the lye completed, is placed a page with the control of the control absolutely caster it winds on a speci from supplied, is placed taken and recent or a specific variety of the taken and recent in the control of the control of the taken and recent or the control of the control of the duction of the control of the control of the control of the duction of the control of the contr for repeat orders. This pape about four inches in diameter.

PAPER TOWER. The mechanism of both the key board and casting machine that carries the paper ribbon and advances it one marginal perforation for each character, or space, struck at the keyboard or cast at the casting machine.

Pisron. The plunger in the pump mechanism of the casting machine. When a type is to be cast, the piston makes its down stroke, forcing metal up into the mold.

Pisvox. One member of the perforating mechan-ism at the keyboard. These pistons are located in the piston block and, when a key is depressed, air is admitted beneath its pistons, which rise and drive their punches through the ribbon, making the perfor-ations to indicate the character struck.

POINT. This is the unit of measurement for type Point. This is the unit of measurement for type sizes, thickness of rules, leads, etc. Seventy-two points (6 picas) are assumed to equal one inch, actually they are .004" less than this.

Point-size. The thickness of a type-body measured "columnwise". This is measured in points.

POINTWAYS. The dimension of a type that measures its size "columnwise"; that is, the distance from the nicked side to the opposite side of the body.

PRESSURE GAGE. Placed on the storage tank so that the governor on the compressor may be set to prevent the air pressure from rising above fifteen

The mechanism for forcing the metal into PUMF. The mechanism for foreing the metal into of the pump body and piston (working in the pump body), which are partly submerged in the metal in the melting pot. The piston makes a stroke for every revolution of the easting machine unless the pump is looked by hand or automatically by the pump is locked by fixed or automatically by the pump lock when the justifying wedges are positioned.

Pump Lock. The mechanism which uncouples the connecting red between the pump-cam lever and the pump, so that the pump does not operate; thus the pump is locked automatically whenever a perforation made by a justifying key is presented to the casting machine to position a justifying wedge. The pump lock may be operated by hand at any time.

RULE. That part of the easting machine that closes the open (left) end of the galley. When a completed line is probed ent to the galley by the column pusher, the rule lifts so that the line may pass under it; as the pusher withdraws, the rule descends to close the galley.

RULE MATRIX. A steel matrix which clamps on top of the lead and rule mold when casting rule. Rule of any face may be east for the body-size of the mold by changing matrices, and a different matrix is required for each point-size mold even for the same

SAFETY VALVE. Attached to the storage tank to prevent the air pressure rising above fifteen pounds if the governor on the compressor fails to work.

Sgr. The width of the eighteen-unit characters of a face expressed in points and fractions of a point. The set of a face indicates whether it is extended or

SET EM. A unit of measure which point-ways is the same as the point-size of the face being measured and setways is the width of the widest of eighteenand setways is the width of the widest of eighteen-uhit characters of the face being measured. Thus, for eight-point No. 8A (8½-set) whose eighteen-unit characters are eight and one-half points wide, the set-em would be a rectangle eight points high and eight and one-half points wide.

SET-EMS STSTEM OF MEASUREMENT. The system of measurement that takes into account the fact that some faces are lean and others fat. Thus, to measure some faces are lean and others fat. Thus, to measure, any matter by the set-ems system, multiply the measure, expressed in ems of the set of the face, by the number of lines, and the result will be the number of set-ems in the mether of set-ems in the matter.

SET FACTOR. Used to compare the relative width of characters in making special matrix case arrange-ments; it is the set of the font to which the character belongs, multiplied by the unit-row for which it is Ser-size. The width of a type-body measured "linewise." This is expressed in points if applied to a complete font; when it is applied to incividual characters it is expressed in thousandths of an inch.

Serways. The width of a character, or characters measured "linewise".

measure measure.

Sixual Chauctrum. Black rectangles of different widths used to indicate that special characters, not carried in the matrix case, are to be substituted for these signals by the corrector at the case without affecting the judiciation; this estatistican should be much before the experiment of the contraction of the cont

Sours Mateix. A flat matrix used for casting type for the cases in sizes from fourteen-to thirty-sixpoint (also for a few faces below fourteen-point that are so extended setways that they will not go on a .2* cellular matrix.

Somes Mayarx Housen. A holder for sorts matrice. It holds one matrix at a time and takes the place of the regular matrix case when casting sorts from fourteen-to hithy-sit-point. By using appeal side and its special abutments in this holder that alignment of the type may be changed say desired amount, for example, the changed say desired amount, for example, point-size body than that for which they were designed.

Stract. A type shorter than type high so that it will not print, used for filling in between words, etc. Either high or low spaces may be used: the former, if the matter is to be electropted; the latter, if printed odirectly from type. High spaces are also used to support. The high space is and on the topper of the space is above the space is specified and the space is above the space is specified in a 500° less than type high; the low space is shorter than the high by the thickness of the top mold blade.

Space Transvers Witten. A wedge at the entities made by the jointly increases but or the justification made by the plotting the properties in the sibbon made by the jointly increases but or the justification of the properties of the case of the properties of the case of the properties of the propert

478 for all characters and spaces in order that the set-sizes may be varied by using the justifying wedges.

SPEED REQUESTING UNIT. All type & rule easters and all composing machines with the display type unit for easting type fourteen-point and larger, are equipped with this speed regulating unit. By shifting three levers this altachment gives eighteen speeds through gearing and the nineteenth speed direct with all cears cut cut.

Spron. The paper, as it is perfornted on the keybeard, is wound on a spool and unwound from it as the ribbon passes through the casting machine. A different spool, on which the paper is wound at the caster, has but one flange, so that the ribbon may be slipped from it; thus, no spools are required for ribbons kept for repeat orders.

Examana Marxix Isax: Monotype faces used for easiling type in justified lines, regardless of their bloody. This is because, referring to the face of the matrix that reads on the mod, the distance from the modern the face of the matrix is the same for all polar-sizes, which gives it the same "stanced matrix line." Norm: A line hanne "stanced matrix line." Norm: A face hanne "stanced

than standard me. Step Mercox. That part of the galley mechanism Sero Mercox. That part of the galley mechanism step of the st

STREAM TAXE. Used to equilite the pressure of the air from the compressor and also to remove any material tax in the air passes through it from the compressor to the storage task. The storage tax has a respect to the storage task. The storage tax has a morning to bleve off any mosture that may have collected. A pressure gap is strated to the task above fifteen pounds if the governor on the compresred and the compression of the storage tax possible; if the hyphands or casting machine are more than fifty let from the compresion of the compression of the storage tax possible; if the hyphands or casting includes are more than fifty let from the compression of the contract of the compression of the compression of the description of the compression of the compression of the comtraction of the compression of the

STRIF RULE. A continuous strip of rule, the product of the lead and rule mold, cast in any length from the same metal used in composition, and cut to exact lengths, as delivered, by the automatic cutter unit.

Ten-unit Leader. A leader of exactly the same face as the ninc-unit leader but east central on a body ten units wide (it is not a 9-unit leader matrix carried in the 10-unit row). The ten-unit leader is used to bring the unit wheel to even ems when the unit indicator shows any number from one to four Transactions Jerumonous. Stelling the No-5 institution key in the upper row and the No. Step in the lower row causes the ensting maximum to under the lower row causes the ensting maximum to the lower row causes the cause of the lower than the lower low

Tra-up Siuo. A twelve-point sing with a recess in the side for the string. Effects great savings in tying up pages, for the string remains in place when the page is locked up. These slugs are the product of the tie-up slug modd and may be eigher low or high or for guards for electrotyping. They may be east with a ski-point face on one side of the body.

The-up Sixe Mold. This mold is of the lead and rule mold family, but differs from the others in that its product is a slug twelve points thick with a recess in one side in which the string fits when tying up a page. This mold will cast low or high slugs or by the use of a special matrix will cast electrotype emarks.

That That CALLEX. To trip the galley means to tratt the galley means to enabled the machine, where the enables of the machine, where the intervious types composing the machine is operated by the galley cans, a time of the control of the properties. (a) the line hoods move forward, pulling experiments and opposite the open end of the galley coprate and opposite the open end of the galley (b) the risk to that this line may be posited or control of the control of the control of the galley control and opposite the open end of the galley and keep the notes to close the open end of the galley and keep the notes to the right, pushing the line mader the role of the galley-can then move to the pulley man then move to the pulley man then move to the pulley may be the move to the right, pushing the line mader the role pulley when the move that the pulley can be the pulley can be the pulley of the pul

Type Cammin. That part of the easing machine that earns the type from the model to the left, yo that the type pusher may push the type forward out of the carrier and into the type forward out of the carrier and into the type channel, where the intriviant characters composing the line are assembled to the carrier and and moves this belock to the right, so that the model blance can push the finished type out of the model and moves this belock to the right, so takes the type to the type to the type channel, the carrier to the act, is no claiver the type to the type per channel, the next type to be cast.

Type Channel. That part of the casting machine into which each type as east is delivered from the type carried by the type pusher. The individual types composing the line are here assembled until the line is complete, when it is placed on the galley.

TTHE-LINE. The distance from the bottom of the series of the eng li to the size of the type opposite the lack. Since all monetype faces used for easing all the perfectly when each of the same size body, each point-race has its standard type-line which is always but the same size of the same siz

TYPE MOLD. Metal is forced into this from the melting pot, by the pump in casting spaces and quads (high or low) and characters. The matrix seats on top of the opening in the moid, where it is held by the centering pin while the character or space is cas The opening in which the type is east is enclosed by the two type blocks, the moid blade that reciprocates between these two blocks, and the cross block which reciprocates against the front faces of the two type blocks. Just before the matrix seats on the mold that the distance between its front end and the face of the cross biock equals the trackness (set-ways) of the character to be cast. After the type is cast, the cross block, which is coupled to the type carrier, is pushed to the right, as the carrier moves to the right into position to receive the type, pushed into it by the forward movement of the mold blade. The movement of the cross block cuts on the jet and throws this back into the melting pot. Type moius are of two kinds, composition and sorts. Composition moids are for casting type in automatically justified incs, with either high or low spaces and quads as desired, and also for casting type and spaces for the case. The sorts moles cast type and high and low quads and spaces for the case only, and will not compose type in justified lines. The composition moles have their point-size built into the mold and this cannot be changed; sorts moids are adjustable as to point-eize within certain limits. All moving parts of all moles reciprocate, there are no hinged joints to wear loose, and, in order that type may be cast at the highest possible speed, the mold and the top of the machine to which it is clamped are thoroughly

Type Publies. The rod that moves forward and pushes the type out of the type carrier into the type channel, where the individual characters composing a line are assembled ready to be placed on the galley when the carrier delivers the last type for the line

Type-storage Boxes. Light but strong metallocate for the storage of type for use with the nondistribution system. These boxes are made in one length and height but in three widths, so that in arranging them in the type-storage exhibit the sizes are apportioned according to the frequency of use as well as the body-size of the characters. Each box has on the front a convenient handle and label holder; the back of the box is secon-shaped for convenience in pouring out the type.

The resonance Canners. The converse for the consolidational content into which rype is a must from the type and rule caster and from which it is drawn as required by the compositions. Each salabine drawn as required by the compositions. Each salabine the content of the content of the content of the type caster in the content of the type caster. The eightest according to the extraorder of the type caster. The eightest may be combined to which by placing one on top of many be combined to which by placing one on top of the content of the part of the pa

Two Taxorea Wester. The swelge that supported the normal wedge and which in turn is supported upon the proposed to the proposed of the proposed to the same width as they are currently by the proposed to the

Treverence Fuc. A few so instant apportion and conceptually with all characters time for the same with body (act-size). Typewrite faces are sufficiently approximate and the same with body (act-size). Typewrite faces are sufficiently approximate and room the settless of different properties, and in some the settless of the same sufficient faces are made either to print direct from the type or to stress are made either to print direct from the type or to at the keyboard the typewrite attachment must be sufficient and the same of the sufficient to the sufficient faces to the suf

Type & Brang Castran. The easting mechanism Type & Brang Castran. The easting mechanism will be a supported by the best of the control of the

for easting type in automatically justified lines.

Usr. One-eighteenth the width of the widest character of the four (the cap M). This unit is used the four. The actual of all the other characters in the four. The actual of all the other characters in of an inch depends upon the set of the face; thinks of an inch depends upon the set of the face; thinks the width, in points, of the widest (18-unit) characters in the four. Thus, one unit of 8-set is oneeighteenth of eight points, or 00055°

User-now. The matrice carried in the same scond of the matrix case are said to be in the same numberow, because all characters on a comb sevene unit-row, because all characters on a comb sevene this size be increased by adding instification. The third is the increased by adding instification. The third is the increased by adding instification. The third is the combination of the combination

VARTING THE TYPE LAVE. This is done on the casting muchine by moving the centering-pin bushing (in which the determine pin works) for any change in allement ownering pin works) for any change in allement ownering three and one half points. When greater choosing three and one half points. When greater choosing three and the required for soris matrices (14-point and are required for soris matrices (14-point and the point and alled and abuttments in the sorts matrix holder.

WATER-COOLED MOLDS. Molds used for easting molten metal from the melting furnace into pigs for use equi the casting machine. In order to east quickly with form a set, these molds are cooked by a molds, which form a set, these molds are cooked by a molds, which form as set, there molds are cooked by a molds and a mold and a mold

When Measure Unit. An attachment applied to the palley mechanism of the easting machine to enable it to remove from the type channel, where the type for a line are assembled, and place upon the type for a line are assembled, and place upon the the standard to and including sixty pieces in length, the standard to the sandard with the standard ment will place on the supplier any line not longer than forty-way pieces.