The
Four-Magazine
Quick-Change
Linotype

Model 9
The
FOUR-MAGAZINE
QUICK-CHANGE
LINOTYPE
Model 9

Mergenthaler Linotype Company
Tribune Building
New York N Y U S A
Chicago             San Francisco     New Orleans
Some Striking Features of the Four-Magazine Model 9 Linotype

Four superimposed magazines
Giving 720 characters from the Standard Linotype keyboard of 90 keys setting
Faces from 5 to 42 point on
Bodies from 5 to 36 point in
Measures from 4 ems to 30 ems.
Mixing faces from all magazines in one line.
Any magazine may be instantly brought into operation.
All magazines removable from front and interchangeable.
Any magazine may be quickly replaced by another.
Any font of matrices may be notched to run into any magazine.
Universal ejector and the
Universal knife block greatly increase the machine's adaptability.

Like all Linotypes, it's a one-man machine
FOUR-MAGAZINE QUICK-CHANGE LINOTYPE
MODEL 9

CONSISTENT development of the principles upon which the success of the Linotype has been founded during the past twenty years has culminated in the perfecting of a composing machine of almost universal adaptability. The Four-Magazine Quick-Change Linotype as a whole, accordingly, does not represent any departure from well-settled Linotype standards, but is the logical outgrowth of persistent and intelligently directed effort at improvement, some earlier results of which were: First, the two-letter matrix, and then the Quick-Change Double-Magazine Linotype. It is, however, radically new in many of its features. To meet the extremely varied requirements of newspaper advertising, jobbing and other offices, where it is necessary to set complicated matter calling for frequent change of face, body and measure, the Four-Magazine Quick-Change Linotype has been perfected.

It is equipped with four interchangeable superimposed magazines, any one of which may be instantly brought into operation and all of which are controlled from the Standard Linotype keyboard of only 90 keys, placing 720 different characters
of eight different faces at the operator's command without leaving his seat. Besides this, any additional characters of infrequent use may be set into the matrix line instantly by hand, and, after casting, these will return automatically to the pi box.

Any face may be set continuously, or all faces may be mixed in the same line, enabling one operator to set complete display advertising, involving many different styles and sizes of face on different bodies and to varying measures, far more rapidly, economically and effectively than could ever be done in any other way. Any font of Standard Linotype matrices may be notched to run into any one of the magazines.

As all of the magazines are interchangeable and may be quickly removed and replaced by others, a range of styles and faces may be carried sufficient to make the Four-Magazine Quick-Change Linotype a self-contained jobbing office, or ad-composing department in itself.

By equipping the four magazines with suitable matrices the newspaper office may set at a continuous operation the large news heads, sub-heads, body matter, display figures and advertisements. The job office with suitable equipment may set continuously, chapter heads, sub-heads, marginal notes, foot notes and body matter in roman, italic, small capitals and black faces of different styles and sizes.

The water-cooled disk carries four molds, one or more of which may be equipped with a sliding liner, making it possible instantly to change the measure to run 'round cuts in display matter without sending the slugs to the saw table, while the Universal ejector and Universal knife block are instantly adjustable for all bodies and measures.

It occupies the same floor space as the Standard Single Magazine Linotype—but only a fraction of the floor space necessary for the cases to cover the same range of work.

*Like all Linotypes, it's a one-man machine*
By swinging the front entrance open, the assembling mechanism becomes accessible.

A single assembler belt transfers all the matrices from the various magazines to the assembling elevator, the escapements of all four magazines being operated by a single set of escape- ment rods.
ASSEMBLING MECHANISM

By swinging the front entrance open, the assembling mechanism becomes accessible, as shown by the illustration on the opposite page.

A single assembler belt transfers all the matrices from the various magazines to the assembling elevator, as shown in the illustration on the following page.

The magazines themselves remain stationary when in place, and the shift from one magazine to another is simple, easy and instantaneous.

Each magazine is provided with a series of escapements controlling the delivery of its matrices. The escapements of all four magazines are actuated by a single series of escapement rods \((A)\), mounted in a frame \((B)\), each rod having four notches in its edge \((C)\). Shifting the hand lever \((D)\) raises or lowers the escapement rods to connect their upper ends with the escapements of any one of the magazines, as required. The same movement couples these rods, through one of the series of notches \((C)\), to the key rods \((E)\), thus connecting them with the usual keyboard mechanism.

It will be evident from the illustrations that despite the great range and capacity of the Four-Magazine Quick-Change Linotype its construction is such as to offer no difficulties in operation to anyone familiar with the earlier models.

Simplicity and accessibility characterize every part of the mechanism. The high standard of accuracy closely adhered to in its manufacture makes all parts readily interchangeable. This is insured by the use of fine gauges, jigs and machine tools of great precision, supplemented by a thorough system of inspection in every department.
The shift from one magazine to another is simple, easy and instantaneous. A single movement of the lever disengages the escapement rods from one magazine, carries them up or down, and re-engages them with another magazine.
CHANGE OF BODY, FACE AND MEASURE

Reference to the illustration on the opposite page will make plain the extreme simplicity of operation. The Standard Linotype keyboard of ninety keys is employed, with which every operator is familiar. One movement of the hand lever disconnects the rods from the escapements of the magazine in use, raises or lowers them to any of the other magazines desired, and automatically locks them in place. Both the magazine and the mold that are being employed at any time are indicated by the indexes in plain view of the operator. These cards are changed by the operator to correspond to the different magazines or molds on the machine.

Molds with sliding liners may be employed. By turning a key the liner may be instantly moved to adjust the mold for any desired measure without the necessity of opening the vise. This enables the operator to run around cuts without losing any time or sending the slugs to the saw table.

Master job printers will readily appreciate the great advantages of its flexibility in connection with intricate composition on catalogue, directory and illustrated book work where numerous cuts of odd sizes are employed. Its almost unlimited possibilities will appeal strongly to the business manager and composing room force of the daily for the setting of entire department store ads., including all display heads, large figures and the like.

One Four-Magazine Quick-Change Linotype will displace a substantial number of cases and avoid the necessity of cutting ad. copy into numerous “takes” with the consequent confusion and loss of time. Complete department store ads. involving a wide variety of faces may be centered at one machine.

In spite of its great flexibility and range of work, all changes of body, measure and face are made by the operator from his seat at the keyboard. This means reduced costs for composition, make-up and distribution, which are further incentives for making

*The Linotype way the only way*
To remove a magazine, the front entrance is swung open, the keys slipped into place, and the latches depressed, permitting the magazine to slide forward.
REMOVAL OF MAGAZINES

Any magazine may be removed by one man from the front of the machine without disturbing the others, and replaced by another containing a different font of matrices, since each magazine is removably supported on a separate permanently fixed frame. The matrices are automatically locked in the channels so that there is no danger of their falling out when the magazine is removed. The front entrance can be opened and closed without disturbing any adjustments and the machine is ready for immediate use as soon as it is closed. As indicated by the illustration, the operation of removing and substituting magazines is as simple as on the Standard Quick-Change Linotype.

To remove a magazine, the front entrance (F) is swung open and the magazine rests (G) slipped into place. The latches are then depressed, permitting the magazine to slide forward until it hangs on the rests, when it may be lifted off and another substituted.

The entire operation may be carried out by the operator in less than a minute.

The relative positions of the magazines may also be changed at will, by changing the positions of the small bridges, or selectors, as mentioned in the description of the distributing mechanism. This is the work of but a moment and requires no tools.
The central portion of the disk is water-cooled, insuring solid and accurate slugs. By turning the pinion at the left, any one of the molds may be brought into position. The upper mold shown in the illustration is equipped with the Sliding Liner for instantly changing the measure.
THE WATER-COOLED FOUR-MOLD DISK

Water circulates through the hollow central portion of the disk, keeping the molds cool and insuring solid, accurate slugs. This four-mold disk gives a wide range of bodies without a change of liners. For example, it may be equipped with a head-letter mold for 36-point slugs, a head-letter mold for 24-point slugs, a recessed mold for skeleton slugs from 10 to 14-point, and a regular mold for slugs from 5 to 14-point.

Without leaving his seat, the operator can bring any one of the four molds into instant operation, by turning the mold disk pinion.

MOLDS WITH SLIDING LINERS

The mold shown in the upper position in the disk is equipped with a graduated sliding liner.

By inserting a small key, the liner may be moved to the right or left to adjust the mold slot for any desired measure. This enables the operator to make as many changes of measure as may be desired on one mold, without having to leave his seat. Slugs of various lengths for running 'round cuts, or similar purposes, are ready as soon as cast, and do not have to be sent to the saw table.
THE UNIVERSAL KNIFE BLOCK

This is readily adjustable for slugs of any thickness from 5-point to 36-point inclusive. It is only necessary to move the lever (\( \gamma \)) until the indicator shows the desired body. Overhanging characters can be cast at any position on the slug, the knives opening to permit their passage without danger of trimming off the characters. This is of great value in setting department store advertising using large figures, classified advertising with display initials and similar composition.
THE UNIVERSAL EJECTOR

This consists of a series of horizontal sections (K), arranged edge to edge in connection with a locking block, by which any desired number of sections can be connected to the ejector lever so that the operative portion of the blade may be instantly varied in width to correspond with the length of the mold slot. This locking block is connected with a lever (L) shown more clearly on the opposite page and within easy reach of the operator.

As the ejector is sufficiently rigid to eject slugs of any thickness, it is not necessary to change it for different bodies. To set it for any desired measure, the lever (L) is moved up or down, shifting the locking block to bring the proper number of sections into engagement with the ejector lever, but the machine cannot be started unless the blade is short enough to enter the mold slot. Thus the ejector can be adjusted instantly for any body and measure within the range of the machine.
DISTRIBUTING MECHANISM

After casting, the line of matrices is lifted in the usual manner by the second elevator for distribution. From the second elevator they pass through a primary distributor box to a short primary distributor bar, where they are separated according to font for the different magazines. This bar is provided with groups of teeth \((M)\) separated by blank spaces \((N)\), so that as each matrix advances along the bar it will be engaged by the successive groups of teeth, but will be released from the bar during its travel across the intervening spaces \((N)\).

Beneath the path of the matrices as they travel along the primary bar are stationary bridges, or selectors \((O)\), one being located beneath each of the blank spaces on the bar. These bridges correspond to notches \((P)\) in the matrices of the different magazines.
and are distinguished from one another by a differing arrangement of upright ridges on their faces. These bridges measure only about one inch in length and are slid on to dovetailed supports. They are readily interchangeable from one support to another to correspond to the position of their respective magazines.

As it advances, each matrix will accordingly ride the bridge while crossing a blank space, and will engage the teeth of the distributor bar at the next succeeding point, thus advancing alternately by riding a bridge, or being suspended by the teeth of the bar, until the bridge to which its notch corresponds is reached. It then settles astride the ribs of this bridge, and as this brings it below the teeth of the distributor bar, it drops into the next space between the bridges.

As the matrix leaves its particular bridge, it drops through this space into tube Q, R, S or T, thence returning to its own magazine through the standard type of distributing mechanism provided for each magazine.
All parts of the distributing mechanism are readily accessible, as will be apparent from the detailed illustration on this page.

The standard distributors for the different magazines are all mounted on a single bracket, so arranged as to be easily opened for the inspection of every part.

Sorts matrices pass across one of the distributor bars and thence through a tube to either a sorts stacker or pi box, according to the equipment of the machine.

The distributor boxes may be removed at will, the illustration at the head of page 23 showing how easily this is accomplished.

The relative position of the magazines on the machine may be altered at will. Transposing the magazines, however, necessitates a corresponding transposition of the matrix bridges in the primary distributor. This may be easily and quickly done.
TO SUMMARIZE, THE FOUR-MAGAZINE QUICK-CHANGE LINOTYPE IS

A one-man composing machine that will set complete display advertising, complicated book work, or other intricate matter involving frequent changes of face, body and measure more rapidly and economically than can be done in any other way.

Since the entire 720 characters are available from the Standard Linotype keyboard of only 90 keys, the many thousands of experienced Linotype operators throughout the world will quickly master its far greater possibilities.
Although the Four-Magazine Quick-Change Model 9 Linotype Machine is designed to set measures from 4 ems to 30 ems, the plan of this book comprehended a measure of 32 ems. This book, therefore, is printed from twin linotype slugs composed on the Model 9, and was designed and printed by the Bartlett-Orr Press, New York.

The body matter and heads are set in 14 point Original Old Style and the captions in 7 point Old Style No. 1.
LINOTYPES

Here follow some typical examples of work which strikingly illustrate the almost universal adaptability of the Four-Magazine Linotype for the composition of the most intricate matter.
THE WORLD FINDS BERGESSBAUM; HE IS DISCOVERED IN FLORIDA

City Chamberlain, 45 Days Missing, Is Seen Aboard His Houseboat Aground on River Mud Banks.

RELATIVES MAINTAIN SECRECY, THOUGH HE IS RECOGNIZED.

Staff Correspondent of This Newspaper Who Makes Discovery Sees Porthole Stealthily Opened as He Asks Questions.

HOTEL ORMOND, Fla., Jan. 12.—Mr. Bergessbaum, City Chamberlain of Podunk, lost for forty-five days, has been found by "The World." He is on his houseboat, the Euphemia, aground on a mudbank six miles above here.

He was seen to-day and recognized by the staff correspondent of "The World," who knows him well. Yet in the face of the recognition the Chamberlain dived below deck and caused his father-in-law and even his wife, who has joined him, to persist in denying that he was aboard.

Why he is acting like a fugitive from justice remains as much of a mystery as ever, even though his whereabouts have been established.

SHIRTWAIST STRIKE IS THREATENED AT BURLINGTON

Meeting Being Held To-Day to Formulate Plans for Walk-Out.

OFFER ANOTHER AGREEMENT.

Only Six of Employing Firms Sign It and Rest Are Obdurate.

Another general strike of the shirtwaist makers will, in all probability, be called within the next two or three days. A conference of delegates from all the shops in this city is being held at Clinton Hall to-day to decide upon the question.

Samuel Gompers, President of the American Federation of Labor, is ready to come to New York and direct the strike if it should be called.

AMUSEMENTS.

REPUBLIC
Ev. 8.15, Mat. Wed. & Sat., 2.15.

IS MATRIMONY A FAILURE?
: Next Monday Evening : KLAW & ELLANGER present REBECCA OF SUNNYBROOK FARM
By KATE DOUGLAS WIGGIN and CHARLOTTE THOMPSON. Founded on Mrs. Wigg's "Charming Rebecca" books. Direction of JOSEPH BROOKS.

Seat Sale Thursday
Mail Orders Filled in Order Received.

Hudson
Ev., 8.20, Mat. Wed. & Sat. 2.20.

OUR GREATEST EMOTIONAL ACTRESS HELEN WARE IN THE DESERTERS
By Robert Carter and Anna Chapin.

HAMMERSTEIN'S
Ev., 8:30-10:30, Daily Mat. 5:30 & 9:30.

ADELE RITCHIE ALL NEW SONGS.

GUS EDWARDS'S SONG REVIEW
"The Bandit," Medjes Bros. & Jacobsen; Those 2 French Girls (Amoras Sisters); Others.

BEJOU
Mat. Wed. & Sat. 2.15.
Beginning To-Night at 8.15.

FREDERICK THOMPSON announces MY MAN MY MAN
A New Play with a Remarkable Cast.

6th VANDERBILT CUP RACE NEXT SATURDAY
Boats, Seals, Parking Space, Information Motor Cugs Holding Company.

LYCEUM
Matinee Saturday, 2.15.
"More Than A Question; It's A Triumph!"—San.

G. P. HUTLEY-HATTIE WILLIAMS in DECORATING CLEMENTINE
The Frenchies of French Comedies.

JOE WEBER'S
Mat. Wed. & Sat.

KITTY GORDON in ALMA, WHERE DO YOU LIVE?
with Chas. A. Bigelow.

GARRICK
Mat. To-Night & Sat. 2.15.
"A Complete Triumph."—Herald.

HENRIETTA CROSMAN in ANTI-MATRIMONY.

KNIckerbocker
Ev., 8.15. Mat. Sat. only, 2.15.

OUR MISS GIBBS
By the Author of "Music of The Arcadians.

GRAND OPERA HOUSE
Matinee To-day. 25-50c.

THE VIRGINIAN
La Shelle Co. and Production.

NEW AMSTERDAM
Ev., 8.15. Mat. To-night, $1.50.
Lisa Abohnall with Ralph Hersz in MADAM SHERBY.
BIBLIOGRAPHY OF MARK TWAIN

1872


16mo. Collation: Title, imprint, Contents, pp. (i)-vi; text, pp. (7)-224. One leaf publishers' lists before title and one leaf after text. Publishers' lists inside both covers. Size of leaf, trimmed, 6\ by 4.

Issued in cloth, boards, and yellow paper covers. Latter copy has on front cover, in black letters, rules in red, red and black border and vignette, "A Sequel to Roughing It," above border; in border, "The [rule] INNOCENTS AT HOME [rule] by Mark Twain, [double rule] London: [George Routledge & Sons." Back carries line in black, "THE INNOCENTS AT HOME." Last page of cover carries publishers' list, ending in No. 5, THE HOOSIER SCHOOLMASTER.

PUBLISHED FEBRUARY 10, 1872. This is the second half of the work entitled Roughing It, as published in the United States, and this English publication seems to anticipate the American issue by about a week.

1872

A [CURIOUS DREAM; AND] OTHER SKETCHES. by Mark Twain, Author of "The Celebrated Jumping Frog." Selected and Revised by the Author. Copyright. London:

MICROMETERS

 laut man or elenal which produces the necess the thread even, on the obviation of the use of slots.

The spindle and the handle are provided with a clamp ring which holds the spindle and preserves the setting.

HAND DRILLS

This drill has cut gears and an adequate lead of the gears from springing out of the manner of a breast drill, drills up to 17-64 inch. printing office. In justifiable friction roll to prevent engagement. The cut shows it is desired for use in the chuck readily holds. This tool is of great use in a making small repairs, in mak-

ing up special forms, and in a thousand ways this cost many times in a drills and taps much time and expense may be saved as the work can be done on the spot and at a moment's notice. 38 XX-------------$2.50

These specimens set without change of mold by using the Sliding Liner, and without change of drill by the use of the Universal Excenter.
WOMEN'S FINE, NEW $18.50 TAILOR-MADE SUITS AT $10.50

A SENSATIONAL OFFERING that suggests coming just as early as you possibly can tomorrow morning. These are very attractive, stylish, natty, well fitting, well made, new Spring tailored Suits, with plaited skirt. Coat lined with peau de cygne. All sizes from 32 to 44 bust measure. It would be well to forget the price until you have seen the Suits. It does not do them half justice. None sent C. O. D. or on approval.

Women's $30.00 to $35.00 Tailor-Made Suits at $19.75.

NEW SPRING FABRICS—great variety of styles, plain and trimmed. Coats lined with peau de cygne. Plaited skirts.

Women's $19.50 Full Length Serge Coats, $15.95.

Full length, for traveling or motoring; semi-fitted, lined to waist with taffeta, manmash or shawl, satin trimmed collar, colors are navy, black and shepherd check.

Women's Coats, $15.95, $17.50, $21.95 and $26.95.

A very large assortment of 32 and 34 inch lengths; semi-fitted black Coats, satin taffeta and fine broadcloth, all lined with peau de cygne or taffeta, plain or fancy braid trimming.

Women's Coats, $7.95, $8.95, $9.95 and $11.75.

Full assortment of linen Moringa Coats, semi-fitted, loose and belted backs, high or shawl collar.

Women's $35.00 and $42.50 Tailor-Made Suits at $24.75.

BLUE AND BLACK SERGES, fancy worsteds, shepherd checks and hairline stripes. High grade workmanship. Lining of soft silk.

Women's $10.50 Broadcloth Capes, $11.50.

Circular sweep Cape of fine broadcloth, inlaid black satin collar, attractive shades for evening and day wear; colors are rose, tan, light blue, lavender, navy and black.

$32 Tailored Suits at $18.50.

Broadcloth, hop-sacking, worsted and novelty cloth, in advanced Spring styles.

Tailored Suits of cotton, flannel or wool, for the Spring.

Women's $12.50, formerly $15.00 to $25.

Leather Articles.

Children's leather bags, small models of the ladies' bags, large variety at $2.50.

Leather stickpins cases; red, green and purple, all leather lined. 50c.

Reveling Among Our 3d Floor China and Glassware

is one of the favorite occupations of hundreds of gift seekers. There is no more delightful spot anywhere for those who love the pretty and the good in Fine Imported Fancy China, Dinner Sets, Bric-a-Brac and American Cut Glass and Lamps.

This Is Our GREAT BARGAIN SALE DAY, and Each and Every Article Offered Is Subject to a Discount

$1 RUDOLPH WATCHES, made in the famous Bowing Green, Ohio, factory, but one to a customer. Tuesday's price... 54c

WOMEN'S FINE $15 TAPETTA DRESSES; changeable and plain silk, plain or embroidered, all sizes, and shades. Special at Tuesday's sale for... $8.75

75c BED SPREADS, of extra fine quality, large bed size, hemmed, ready for use. For this 39c

BOYS' $2.50 SUITS; Russian and sailer blooms, also double-breasted, knicker pants. This Tuesday's sale only... $1.09

$2 and $3 Imported BEAD BAGS; black, black and silver, black and gold, gold and white, white and silver; just the thing to carry with a new frock... 44c

$1 ALARM CLOCKS; with brass cases, nickel plated, guaranteed a whole year. Price, this Tuesday's sale... 45c

MEN'S 25c to 75c EXHIBITS; those represent salesmen's samples and surplus stock from one of the biggest shirt makers, plain or printed, in coat and custom models, with cuffs... 35c

$1 BOYS' SHOES; made of the very best quality of soft calf; size 3 to 12. Good value at $1.

WOMEN'S $2 and $3 SHOES; 2,000 pairs of high grade oxfords, two pair with silk, plaid or striped, high shoes or pumps; sizes 5 to 10. Tuesday's sale, at... 98c

2 IRISH LEATHER WAISTLES; these are warranteed pure linen, tailored, pleated effect. French back, long sleeve, silk collar; at... $1

MEN'S $10 SUITS; all wool material and family mixed cloth, coat lined with silk, shirts full plaited, with brod and silk trimmings, sizes 12 to 36 years; for this Tuesday's sale, price... $5.50

This page was set in 6 point No. 2 with Antique No. 5, two-letter matrices; display figures in 11 point Cheltenham Bold, one-letter matrices; 9 point De Vries with Antique No. 2, two-letter matrices; 12 point De Vries with Antique No. 5, two-letter matrices; 18 point Gothic No. 12, one-letter matrices; all in one Linotype, Model 6, without the operator leaving his seat.