

Index

- A**CCESORIES, 205.
ADJUSTMENTS, 157.
ADVERTISING FIGURES, DISPLAY. *See Display-advertising figures.*
ADVERTISING-FIGURE MOLDS. *See Mold.*
AIR HOSE, use of, 172.
AIR PISTON, 214.
ALARM MECHANISM, described, 17.
ALIGNMENT, diagram of, 96.
ANTIMONY, in Linotype metal, 105.
ASBESTOS, 63.
ASSEMBLER. *See Assembling Elevator.*
ASSEMBLER BELT, described, 15; irregular motion causing transpositions, 26.
ASSEMBLER BLOCK, 18; details of, 37.
ASSEMBLER CHUTE SPRING, adjustment, 26, 159.
ASSEMBLER ENTRANCE. *See Assembler front.*
ASSEMBLER ENTRANCE PARTITIONS, 15.
ASSEMBLER FRONT, 8, 15.
ASSEMBLER FRONT PARTITION, interferes with body of matrix, 26, 27.
ASSEMBLER SLIDE, 13; described, 15, 18.
ASSEMBLER SLIDE BRAKE, function explained, 16; adjustment of, 163.
ASSEMBLER SLIDE FINGER, 14, 18.
ASSEMBLER STAR WHEEL. *See Star Wheel.*
ASSEMBLING ELEVATOR, 1, 4; connection with keyboard, 13, 14; described, 15; enlarged view, 16, 18; adjustment of, 159.
ASSEMBLING ELEVATOR RAILS, 17.
ASSEMBLING ELEVATOR RELEASING BAR, 40.
ASSEMBLING MECHANISM, 1; diagram of, 4.
ATTACHMENTS, 199; miscellaneous, 227.
ATTACHMENT, two-letter. *See Two-Letter Attachment.*
AUTOMATICS, their use explained, 1; formed by spring plunger and spring, 10.
AUTOMATIC PUMP STOP. *See Pump Stop.*
AUTOMATIC SAFETY PAWL, adjustment of, 160; oiling, 168.
AUTOMATIC STARTING DEVICE, diagram of, 82.
AUTOMATIC STOP LEVER, adjustment of, 158.
AUTOMATIC STOPPING LEVER, LOWER, adjustment of, 158.
AUTOMATIC STOP ROD, 48.
AUTOMATIC STOPPING PAWLS, adjustment of, 157; oiling, 168.
AUXILIARY MAGAZINE. *See Magazine, Auxiliary.*
- B**ANKING BAR, cleaning, 32.
BAR, ESCAPEMENT. *See Escapement Bar.*
BAR, SECOND-ELEVATOR. *See Second-Elevator Bar.*
BASE, oil holes in, 167.
BELT, ASSEMBLER. *See Assembler Belt.*
BELT, MATRIX-DELIVERY. *See Matrix-Delivery Belt.*
BENZINE, method of applying, 27, 28; not to be used to clean escapements, 129.
BEVELED CUT, used for separating matrices in plural-distributor Linotypes, 19.
BLACK LETTER, use permitted by two-letter attachment, 17.
BOOK MEASUREMENTS, 226.

- BORDERS, casting of, 195.
- BRAKE TRIP, on assembler slide, 13.
- BRIDGE, MATRIX, on Model 9 Linotype, 182; on Models 25 and 26, 194.
- BRUSH, WIRE, for cleaning pump plunger, 103.
- BURNER, GAS. See *Gas Burner*.
- BURRS, prevention of, 207.
- BUTTON-HEAD SCREWS, with galley, 70.
- CABINETS, MATRIX. See *Matrix Cabinets*.
- CAMS, motions in sequence performed by action of, 1; oiling and cleaning, 168.
- CAM, DELIVERY AND ELEVATOR TRANSFER. See *Delivery and Elevator Transfer Cam*.
- CAM, DISTRIBUTOR-SHIFTER. See *Distributor-Shifter Cam*.
- CAM, FIRST-ELEVATOR. See *First-Elevator Cam*.
- CAM, JUSTIFICATION. See *Justification Cam*.
- CAM, KEYBOARD. See *Keyboard Cam*.
- CAM, MOLD. See *Mold Cam*.
- CAM, MOLD-TURNING. See *Mold-Turning Cam*.
- CAM, POT. See *Pot Cam*.
- CAM ROLL. See *Keyboard Cam Roll*.
- CAM, SECOND-ELEVATOR. See *Second-Elevator Cam*.
- CAM SHAFT, functions of, 1; described, 78; diagram of, 79; in action, 145, 146.
- How to remove any cam from camshaft, 177.
- CAM SHAFT BEARINGS, oiling, 167.
- CAM SHAFT BRACKETS, diagram of, 81; oiling and cleaning, 167, 168.
- CAM, VISE-CLOSING. See *Vise-Closing Cam*.
- CARE AND OPERATION, 167.
- CASTER, LEAD AND RULE. See *Lead and Rule Caster*.
- CASTING MECHANISM, 1; described, 39; in lead and rule caster, 197.
- CHANNELS. See *Magazine Channels*.
- CHANNEL, DELIVERY. See *Delivery Channel*.
- CHANNEL ENTRANCE, in normal position, 124; described, 129; enlarged view of portion of, 134; to remove (Models 1, 2, 3, 4, 5 K, L), 173; recapitulation, 218.
- CHANNEL-ENTRANCE PARTITIONS, 133; flexible in some Linotypes, 218.
- CHASE. See *Galley*.
- CHUTE SPRING, object of, 30.
- CLEANING, matrices and spacebands, 21, 214; keyboard bar, 27; Linotypes, 167; escapements, 219.
- CLUTCH, diagram of packing out leathers of, 92; operation illustrated, 93; adjustment of, 157.
- CLUTCH DISK, 125.
- CLUTCH, DISTRIBUTOR. See *Distributor Clutch*.
- CLUTCH, FRICTION. See *Driving Shaft Friction Clutch*.
- COLUMN, oil holes in, 167.
- "COMBINATION" METAL. See *Metal*, "Combination."
- COMPRESSION SPRING, diagram of, 64.
- DASHES, casting of, 195.
- DECORATIVE MATERIAL, 229.
- DELIVERY AIR CYLINDER, 214.
- DELIVERY-CAM ROLL, oiling, 168.
- DELIVERY-CAM SHOE, oiling, 168.
- DELIVERY CARRIAGE, 40, 41.
- DELIVERY CHANNEL, 18; adjustment of, 159.
- DELIVERY LEVER CAM-ROLLER ARM, 214.
- DELIVERY PAWL, 214.
- DELIVERY SLIDE. See *Line-Delivery Slide*.
- DELIVERY AND ELEVATOR TRANSFER CAM, 78; diagram of, 79; in detail, 80, 83; oiling, 168.
- DIES AND TAPS, 207.
- DISPLAY ADVERTISING FIGURES, 201.
- DISPLAY EQUIPMENT, 200.

- DISTRIBUTION, 1, 109; of spacebands, 116.
- DISTRIBUTOR AUTOMATIC STOP, 124.
- DISTRIBUTOR BAR, 2; short section of, 87.
- DISTRIBUTOR BAR POINT, 121; discard when worn, 218.
- DISTRIBUTOR BOX, shown in diagram, 109; described, 117; sectional view of, 118; to remove, 126; adjustment of, 127; recapitulation, 217; in relation to distributor screws, 127; side view of, 134; new style, for Models 25 and 26, 187-193.
- DISTRIBUTOR BOX LIFT, adjustment of, 162.
- DISTRIBUTOR BOX MATRIX LIFT CAM, 120.
- DISTRIBUTOR BOX MATRIX LIFT LEVER, 118; view of, 119.
- DISTRIBUTOR CLUTCH, mechanism described and illustrated, 123, 124; adjustment of, 162; how to remove, 177.
- DISTRIBUTOR CLUTCH PULLEY, 124.
- DISTRIBUTOR CLUTCH STOP, 135.
- DISTRIBUTOR LIFT, enlarged view of action of, 119, 120; wearing of, 217.
- DISTRIBUTOR, multiple, 2; described, 128, 179; diagram of, as used on Model 9, 131. See also *Model 9*.
- DISTRIBUTOR, PRIMARY, 127; for Models 25 and 26, 193.
- DISTRIBUTOR SCREWS, function explained, 122, 192.
- DISTRIBUTOR SHIFTER, in action, 146.
- DISTRIBUTOR-SHIFTER BUFFER, 121.
- DISTRIBUTOR-SHIFTER CAM, 78; diagram of, 79; in detail, 88; oiling, 168.
- DISTRIBUTOR-SHIFTER CAM RIDER, oiling, 168.
- DISTRIBUTOR-SHIFTER LINK, view of, 115.
- DISTRIBUTOR, SINGLE (OLD-STYLE), diagram of, 123.
- DISTRIBUTOR SLIDE, 88.
- DISTRIBUTOR STOP, described and illustrated, 130.
- DISTRIBUTOR TEETH. See *Matrix Distributor Teeth*.
- "DON'T", 220.
- "DOUBLETS," their correction, 27.
- DRIVING MECHANISM, described, 85.
- DRIVING PINION, of helical type, 155.
- DRIVING PULLEY, diameter of, 155.
- DRIVING SHAFT, oiling and cleaning, 168.
- DRIVING-SHAFT BEARING, oiling, 168.
- DRIVING SHAFT CLUTCH ROD, oiling, 168.
- DRIVING SHAFT FRICTION CLUTCH, connection with starting and stopping lever, 92; how to remove, 174.
- DRIVING SHAFT FRICTION SHOE RODS, oiling, 168.
- DRIVING SHAFT LOOSE PULLEY, oiling, 168.
- DRIVING SHAFT MOTOR GEAR, oiling, 168.
- DROSS, removal of, 104, 105.
- E**AR. See *Matrix Ear*.
- EDUCATIONAL WORK, 231.
- EJECTOR (OLD-STYLE), diagram of, 69.
- EJECTOR BLADE, 67; means of inserting and removing, 69; in action, 146; described, 153; changing, 153; adjustment of, 162.
- EJECTOR CAM, oiling, 168.
- EJECTOR LEVER, diagram of, 68; oiling, 168.
- EJECTOR LEVER ADJUSTING PAWL PLATE, oiling, 168.
- EJECTOR-LEVER PAWL, 68; oiling, 168; how to remove, 175.
- EJECTOR LEVER SHAFT BEARINGS, oiling, 167.
- EJECTOR LEVER SHOE, oiling, 168.
- EJECTOR SLIDE, 165.
- EJECTOR, UNIVERSAL, described, 68; adjustment of, 165.
- ELECTRIC CURRENT, direct, alternating, 91.
- ELECTRIC METAL POT, 224.
- ELECTRIC MOTORS. See *Motors, Electric*.

- ELECTRIC WIRING, 223.
 ELECTRICAL NOTES, 156.
 ELEVATOR, ASSEMBLER. *See Assembling Elevator.*
 ELEVATOR, FIRST. *See First Elevator.*
 ELEVATOR, SECOND. *See Second Elevator.*
 ELEVATOR SLIDE, view of, 70.
 ELEVATOR TRANSFER CAM. *See Delivery and Elevator Transfer Cam.*
 ELEVATOR TRANSFER CAM ROLL, oil hole in stud, 168.
 ELEVATOR TRANSFER LEVER SHAFT BEARINGS, oiling, 167.
 ELEVATOR TRANSFER SLIDE, details of, 112; adjustment of, 160.
 ELEVATOR TRANSFER SLIDE FINGER, 110.
 ELEVATOR TRANSFER SLIDE LEVER, in action, 146; adjustment of, 160.
 EQUIPMENT, DISPLAY. *See Display Equipment.*
 ERECTION, of Linotype, 221.
 ESCAPEMENT, 1; action of, on Model 9, 24; view of, 25; cleaning, 129; described, 139; notes on, 219.
 ESCAPEMENT BAR, side view of, 137; care of, 219.
 ESCAPEMENT LEVER, 10, 13.
 ESCAPEMENT MECHANISM, 12.
 ESCAPEMENT, SINGLE-PIECE, 9.
 ESCAPEMENT VERGE, 4; delivering matrix. 8; oiling, 23, 26.
 ESCAPEMENT VERGE PAWL, 4, 9; delivering matrix, 8; wear causing transpositions, 28.
 ESCAPEMENT VERGE PLUNGER, illustrated, 10, 12.
- F**ILING, great care to be used, 29.
 FINGER, short, long, 18.
 FINGERING OF KEYBOARD, 169.
 FIRST-ELEVATOR, 13; view of, 47; action of, 145, 215.
 FIRST ELEVATOR BACK JAW GUARD, 216.
 FIRST-ELEVATOR CAM, 78; diagram, of, 79.
 FIRST-ELEVATOR CAM ROLL, oil hole in stud. 168.
 FIRST-ELEVATOR CONNECTING LINK, adjustment of, 158.
 FIRST-ELEVATOR INTERMEDIATE BAR, adjustment of, 159.
 FIRST-ELEVATOR JAWS, 41; front view of, 44; inside of, 46; aligning matrices, 53; sectional views of, 64, 109, 110; mounted upon elevator slide, 215.
 FIRST-ELEVATOR JAW PAWLS, 214.
 FIRST-ELEVATOR JAW RAILS, 214.
 FIRST-ELEVATOR LINE STOP, 46; adjustment of, 159.
 FIRST-ELEVATOR LINE STOP CLAMP SCREW, 46.
 FIRST-ELEVATOR LINK, 45.
 FIRST-ELEVATOR RAILS, 42, 43.
 FIRST-ELEVATOR SLIDE, 47, 48; adjustment of, 159, 161.
 FIRST-ELEVATOR SLIDE CAM, view of, 91.
 FIRST-ELEVATOR SLIDE GUIDE, adjustment of, 159.
 FIRST-ELEVATOR STOP SCREW, 47.
 "FLOATING BLOCK," 50.
 FLOOR SPACE, for Linotype, 222; diagram of, 223.
 FONT SLOT. *See Matrix Font Slot.*
 FOUNDATION FOR LINOTYPE, 222.
 FUDGE MOLD. *See Mold.*
 FURNACES, REMELTING, 104, 105; described, 207.
- G**ALLEY, 69; view of, 70.
 GALLEYS, MATRIX. *See Matrix Galleys.*
 GAS, FOR LINOTYPES, 225.
 GAS BURNER, 97; adjustment of, 105, 225.
 GAS PIPING, 223.
 GAS-PRESSURE GOVERNOR, 198.
 GASOLINE-KEROSENE BURNER, FOR LINOTYPES, 209, 225.
 GEAR, meshing with jack shaft, 84.
 GENERAL PRINCIPLES, 1.
 GENEVA LOCK, 90.
 GRAPHITE, 21; for cleaning escapements, 219.
 GRAVITY, matrices fall by, 1, 2.

GREEK ATTACHMENT, 227.

GUIDES. See *Keyboard Guides*.

HAIR-LINES, prevention of, 207.

HAND LEVER, on Model 9, 24.

HAND STOPPING LEVER, adjustment and distances for, 94.

HEAD-LETTER MOLDS. See *Mold*.

HEATING, metal, 224.

HELICAL TYPE, of driving pinion, 155.

HORSEPOWER, required for Linotype, 155, 224.

HUNTING TOOTH, in gears, 122.

INTERMEDIATE CHANNEL, described, 41, 42; detailed views, 113, 114, 115, 116; adjustment of, 159.

INTERMEDIATE LEVER. See *Escapement Lever*.

ITALICS, use permitted by two-letter attachment, 17.

JACK SHAFT, 61; meshing with gear, 84, 85; enlarged view, 93.

JUSTIFICATION, 1, 2, 52; first justification, 32, 52, 53, 145; second, 54; imperfect, 100.

JUSTIFICATION BLOCK, 54.

JUSTIFICATION CAM, 78; diagram of, 79, 86; described, 81.

JUSTIFICATION CAM ROLL, oiling, 168.

JUSTIFICATION LEVERS, action of, 145; oiling, 168.

JUSTIFICATION-LEVER BEARINGS, oiling, 167.

JUSTIFICATION ROD COLLAR (RIGHT-HAND), 70.

JUSTIFICATION SPRINGS, adjustment of, 163; how to remove, 176.

KEROSENE, as lubricant for pawls, 129.

KEROSENE-GASOLINE BURNER, for Linotypes, 209.

KEYBOARD, described, 3; arrangement

KEYBOARD—*Continued*.

used on later keyboard, 7; rear view of, 28; ideal operation of, 30; fingering of, 169; how to take apart, 171.

KEYBOARD BAR, 4, 5, 6; on later keyboards, 7, 28; how to clean, 172.

KEYBOARD CAM, 1, 4, 5, 6; on later keyboards, 7; how to remove individual keyboard cam, 172.

KEYBOARD CAM FRAMES (ALL MODELS), how to remove, 172.

KEYBOARD CAM PULLEY, 28.

KEYBOARD CAM ROLL, 4, 5, 6; on later keyboards, 7; hardening of, 27.

KEYBOARD CAM STOP, 5, 6.

KEYBOARD CAM YOKE, 3, 4, 5, 6; on later keyboards, 7, 8; at highest position, 11.

KEYBOARD GUIDES, importance of cleaning, 9.

KEYBOARD KEY BAR, 6.

KEYBOARD PLUNGER, 7.

KEYBOARD, PRACTICE, 205.

KEYBOARD ROD. See *Reed*.

KEYBOARD ROD SPRING, diagram of, 8.

KEYBOARD, SUPPLEMENTAL, 205.

KEYBOARD WEIGHT. See *Keyboard Bar*.

KEY BUTTON, 1; illustrated, 4, 28.

KEY LEVERS, of six different lengths, 3; illustrated, 4; cleaning, 171.

KEYREED SPRING, 28.

KEY ROD UPPER GUIDE, adjustment of on Models 3 and 5, 11.

KEY REED. See *Reed*.

KEY WEIGHT. See *Keyboard Bar*.

KNIFE, BACK, 60; in action, 146; adjustment of, 162, 217; care of, 219.

KNIFE BLOCK, UNIVERSAL, 60, 67; described and illustrated, 72; special, 228.

KNIFE WIPER, 49; in action, 146; described, 153; new style, 154; operated by first elevator slide on many Linotypes, 215.

KNIFE WIPER BAR, 49.

KNIVES, left hand, 60; right hand, 60.

- LADLE AND SKIMMER, 207.
 LEAD AND RULE CASTER, 195.
 LEAD, DIOXIDE OF, 102.
 LEAD, RED, use of, 97.
 LEAK. See *Mouthpiece*.
 LEVERS, various, oiling and cleaning, 168.
 LEVER, HAND-STOPPING. See *Hand Stopping Lever*.
 LEVER, SECOND-ELEVATOR. See *Second-Elevator Lever*.
 LIBRARY, TYPOGRAPHIC REFERENCE, 230.
 LIGHTING, 225.
 LINE-DELIVERY CAM. See *Delivery and Elevator Transfer Cam*.
 LINE-DELIVERY CARRIAGE, 41.
 LINE-DELIVERY LEVER, diagram of, 82.
 LINE-DELIVERY SLIDE, 76; how to remove from Model 1, 174; adjustment of, 160, 214.
 LINERS, 55; removal and replacing of, 61; molds and liners, 146, 147, 151; in lead and rule caster, 197.
 LINK, DISTRIBUTOR-SHIFTER. See *Distributor-Shifter Link*.
 LINTYPE, an automatic power-driven machine, 1; some in use for thirty years, 1; basically but two models of, 2; multiple-magazine, 2^o, 13^o; care and operation, 167; oiling and cleaning, 167; general directions for operating, 169; a self-contained composing room, 179; erection of, 221; arranging and driving, 223; product of, 229.
 LINTYPE, MODELS OF. See *Models*.
 "LOCKER," small view of, 96.
 LOCK-UP, 93; testing, 95; in action, 146; resulting from warped mouthpiece, or warped mold, 217.
 "LONG FINGER," 18.
 LOW LEADS, on lead and rule caster, 197.
 LUGS. See *Matrix Ears*.
 MACHINE ACTIONS, 145.
 MAGAZINE, 1, 4; how to clean, 26; described, 135; perspective view of, 136;
 MAGAZINE—*Continued*.
 details of, 137; on Models 1 and 3, 165; to remove magazines from Model 9, 172; to remove magazines from Model 8, 180; shifting, on Model 8, 180; recapitulation, 218.
 MAGAZINE, AUXILIARY, described and illustrated, 138; on Model 14, 183; for single keyboard Model 14, 185; for Model 22, 185; auxiliary magazines on Model 26, 187.
 MAGAZINE CHANNELS, 136.
 MAGAZINE HOLDERS. See *Magazine Racks*.
 MAGAZINE RACKS, quick change, 143; described, 205.
 MAGAZINES, "SPLIT," 143.
 MANUAL OF LINTYPE TYPOGRAPHY, 229.
 MATRIX, plural matrices, 1; delivery of, 8; alignment of, 16, 30; regular and auxiliary positions of, 16; assembled, 18; described and illustrated, 19; care of, 20; cleaning, 21; side walls, 22; transpositions, 23, 26; showing worn ear, 25; when fail to drop, 30; transfer to first-elevator jaw, 39, 44; transfer to distributor, 109; bending of, 121; in channel entrance, 125; to run in upper magazine matrices cut for lower, 129; lifted over shoulders of distributor-box rails, 135; border matrices, one-letter, not used with special high-cap mold, 198; one hundred twenty-five millions in stock, 211; assembling of matrices, 213.
 MATRIX BRIDGE. See *Bridge*.
 MATRIX CABINETS, described, 206.
 MATRIX-DELIVERY BELT, 4; adjustment of, 11, 162.
 MATRIX DELIVERY CHUTE, how to remove, from Models 2 and 4, 173.
 MATRIX DISTRIBUTOR TEETH, 19.
 MATRIX EAR, enlarged view of, 19; burred, 21; method of correcting damaged ear, 26.
 MATRIX FONT SLOT, 19.

- MATRIX GALLEYS, described, 206.
 MATRIX LIFT LEVER, 127.
 MATRIX SEPARATOR SLOT, 19.
 MATRIX SLIDE, 197.
 MATRIX SLIDE BLOCKS, use in lead and rule caster, 195, 197.
 MATRIX TRAYS, described, 206.
 MEASUREMENTS, newspaper, 226; book, 226; of type, 227.
 MECHANISM, ALARM. See *Alarm Mechanism*.
 MECHANISM, Division of, 1.
 METAL, "COMBINATION," not to be used on the Linotype, 105.
 METAL, LINOTYPE, 104, 207; heating, 224.
 METAL POT, described, 63; sectional view of, 64; pot crucible, 63, 154; in action, 145; how to pack pot jacket, 154; adjustment of, 162, 217; not to remain against mold, 216; electric pot, 224.
 MICROSTRUCTURE, of Linotype metal, 105.
 MISCELLANEOUS, 153.
 MODELS, basically but two, 2; models described, 179.
 MODEL 1, described, 179.
 MODEL 3, 179.
 MODEL 5, 179.
 MODEL 8, described, 180; removing magazines, 180.
 MODEL 9, distributor-box rails, 129; distributor screws explained, 131, 132; view of operation of raising and lowering front, 142; to remove magazine, 172; general description of, 181.
 MODEL 14, described, 183.
 MODEL 14 (SINGLE KEYBOARD), described, 183.
 MODEL 21, described, 185.
 MODEL 22, described, 185.
 MODEL 24, described, 186.
 MODEL 25, described, 186.
 MOLD, described and illustrated, 54, 55, 64; care of, 57, 216; molds and liners, MOLD—*Continued*.
 147; recessed, 148; universal adjustable low mold, 149; Rogers Tabular mold, 149; fudge mold, 149; display or head-letter molds, 150; advertising-figure mold, 150; special advertising mold, 151; mold liners, 151; changing mold liners, 151; in lead and rule caster, 195; special molds, 228.
 MOLD-BANKING BLOCKS, adjustment of, 165.
 MOLD CAM, 78; diagram of, 79; described, 83.
 MOLD CAM LEVER, 59; diagram of, 69; oiling, 168.
 MOLD-CAM ROLL, oiling, 168.
 MOLD-CAM LEVER HANDLE, oiling, 168.
 MOLD-CAM LEVER ROLL, oiling, 168.
 MOLD CAP, adjustment of, 147.
 MOLD DISK, 39; pulled forward, 101; action of, 145; water cooled, adjustment of, 165; how to remove, 175; setting the mold disk to cast in proper mold, 175; equipment of, 182; on lead and rule caster, 196; rising, 216.
 MOLD-DISK BLOCK, 50.
 MOLD-DISK DOG, adjustment of, 161.
 MOLD-DISK BRAKE, 58; adjustment of, 161.
 MOLD-DISK BUSHINGS, 215.
 MOLD-DISK TURNING PINION, described, 60; diagram of, 62.
 MOLD GEAR ARM, 66.
 MOLD LINERS. See *Liners*.
 MOLD SLIDE, means of connecting and disconnecting, 69; removing, 100; action of, 145; adjustment of, 161.
 MOLD SLIDE BEARING, oiling, 167.
 MOLD SLIDE LEVER, adjustment of eccentric pin in, 34; illustrated, 58.
 MOLD TURNING BEVEL PINION, 61; to replace in proper position, 176; oiling, 168.
 MOLD TURNING CAM, 78; diagram of, 79; with distributor-shifter cam, 88; in detail, 90; adjustment of, 161.

- MOLD TURNING CAM SHOES, oiling, 168.
 MOLD WIPER, object of, 216.
 MOTIONS, made as slow as possible, 1.
 MOTORS, ELECTRIC, for Linotype, 91, 155; ordering motors, 156.
 MOUTHPIECE, sectional view of, 64; testing the lock-up, 95; how to remove, 101, 217; described, 102; to remedy a mouthpiece leak, 175.
 MULTIPLE-MAGAZINE LINOTYPE. See *Linotype, Multiple-Magazine.*
- NEWSPAPER MEASUREMENTS, 226.
 "NOTABUR," to prevent hair-lines, 207, 214.
- OILING, 23-26, 167, 194; oil not to be used near escapements, 219.
 ONE-LINE SPECIMEN BOOK, 229.
 ONE-LINE SUPPLEMENT, 220.
 ORDERING, parts and supplies, 211; matrices, 212.
 OXIDATION, 104.
- PACKAGES, tag them, 212.
 PARTS AND SUPPLIES, how to order, 211.
 PAWL, ESCAPEMENT. See *Escapement Verge Pawl.*
 PI STACKER, 104.
 PI TUBE, 104.
 PLUNGER, to remove plunger stuck in well, 176.
 PLURAL DISTRIBUTOR. See *Distributor, Multiple.*
 POT. See *Metal Pot.*
 POT CAM, 78; diagram of, 79; described, 82; in relation to pot jacket, 85.
 POT CAM ROLL, oiling, 168.
 POT CRUCIBLE. See *Pot.*
 POT JACKET, sectional view of, 64; described, 65; how to pack, 154.
 POT JACKET LEG, view of bottom of, 96.
 POT LEVER, in relation to pot jacket, 85; how to remove, 177; oiling, 168.
 POT LEVER EYEBOLT, adjustment of, 162.
 POT LEVER SPRING, diagram of, 62; to avoid "spitting," 216.
 POT MOUTH DRIFT, 102.
 POT PUMP CAM ROLL, oiling, 168.
 PRUSSIAN BLUE, use for testing, 217.
 POT PUMP LEVER, diagram of, 64; oiling, 168.
 POT RETURN CAM, oiling, 168.
 POT RETURN CAM SHOE, oiling, 168.
 PØWER, for driving Linotype, 155, 222; source of, 224.
 PUMP CAM, 78; diagram of, 79; described, 81.
 PUMP LEVER (NEW STYLE), diagram of, 65.
 PUMP LEVER SPRING (OLD STYLE), diagram of, 66; to remove, 176.
 PUMP PLUNGER, diagram of, 63, 64; described, 103.
 PUMP STOP, perspective view of, 74; adjustment of, 162, 217.
 PUMP STOP LEVER, described, 75.
- QUADDING-OUT ATTACHMENT, 227.
- RAILS. See *Assembling Elevator Rails.*
 RECESSED MOLDS. See *Mold.*
 RED LEAD, use of, 97.
 REDUCTIO, for treating molten metal, 104, 106.
 REED, 1, 3, 5, 6, 8; action in multiple-magazine Linotypes, 10, 28.
 REMELTING. See *Furnaces.*
 ROGERS TABULAR ATTACHMENT, 199.
 ROGERS TABULAR MOLD. See *Mold.*
 ROLLERS, oiling and cleaning, 168.
 RULES, casting of, 195.
 RUSSIAN, keyboard layout for, 205.
- SAFETY PAWL, action of, 84.
 SCALE, ASSEMBLER, 14.
 SCREWS, DISTRIBUTOR. See *Distributor Screws.*
 SECOND ELEVATOR, view of, 86; in action, 146; adjustment of, 162, 164.

- SECOND ELEVATOR CAM, 78; diagram of, 79; described, 81; in detail, 86.
- SECOND ELEVATOR CAM ROLL, oil hole in stud, 168.
- SECOND ELEVATOR LEVER, 33; described, 117.
- SECOND ELEVATOR LEVER SHAFT BEARINGS, oiling, 167.
- SECOND ELEVATOR SAFETY PAWL, oiling, 168.
- SECOND ELEVATOR STARTING SPRING, how to remove, 174.
- SHIFTING MAGAZINES. See *Magazine*.
- "SHORT FINGER," 18.
- SIDE WALLS. See *Matrix*.
- SINGLE KEYBOARD MODEL 14. See *Model 14 (Single Keyboard)*.
- SINGLE KEYBOARD MODEL 22. See *Model 22 (Single Keyboard)*.
- SKIMMER AND LADLE, 207.
- SLIDE. See *Matrix Slide*.
- SLUG, 1, 39; ejection of, 67; sunken faces on, 103; remelting of, 104; low slugs on lead and rule caster, 197; comparative weights of, 226.
- SORTS STACKER, described, 202.
- SORTS TRAYS, 203.
- SPACEBANDS, 1; cleaning, 21; in intermediate channel, 33; assembling of, 34; ears of, 44; sectional view with matrix, 44; distribution of, 116; timing of, 169; notes concerning, 214.
- SPACEBAND BOX CENTER BAR, adjustment of, 163.
- SPACEBAND BOX, 33, 35, 36; in action, 146; adjustment of, 160; how to remove, 173.
- SPACEBAND BLOCK, action of, 145.
- SPACEBAND DELIVERY LEVER, 80.
- SPACEBAND LEVER, 33, 35; adjustment of, 160, 214.
- SPACEBAND PAWL, with slide finger, 112; in action, 146; must be kept even, 214.
- SPACEBAND TRANSFER LEVER, 84.
- SPECIAL ADVERTISING MOLD. See *Mold*.
- SPECIMENS, TYPOGRAPHIC, 229.
- SPEED OF LINOTYPE, uniform speed important, 224.
- SPIRAL AUTOMATIC DISTRIBUTOR STOP, described, 133.
- "SPITTING," 216.
- "SPLIT" MAGAZINES. See *Magazines, Split*.
- SPRINGS, use of springs to cause positive motion of parts, 1.
- SPRING, CHUTE. See *Chute Spring*.
- SPRING, OVERTHROW, undue pressure of, 23.
- SQUIRTS, their cause and cure, 57; on lead and rule caster, 197; pot lever spring too weak, 216.
- STACKER, SORTS. See *Sorts Stacker*.
- STAR WHEEL, worn wheel causing transpositions, 26; function of, 30; to remove, 173.
- STARTING LEVER, adjustment of, 158.
- STARTING PIN, 41.
- STARTING AND STOPPING CAM. See *Delivery and Elevator Transfer Cam*.
- STARTING AND STOPPING LEVER, view of, 92.
- STARTING AND STOPPING LEVER HINGE PIN, oiling, 168.
- STARTING AND STOPPING PAWLS, diagram of, 94.
- STARTING MECHANISM, diagram of, 94.
- STAY BOLT, diagram of, 81; adjustment of, 163.
- STOPPING MECHANISM, view of, 93.
- STICK, ASSEMBLER. See *Assembling Elevator*.
- SUPPLIES AND PARTS, how to order, 211.
- T**AG YOUR PACKAGES, 212.
- TAPS AND DIES, 207.
- TEETH. See *Matrix Distributor Teeth*.
- TEMPERATURE, of molten metal, 104; to keep metal at proper temperature, 171.
- THERMOMETER, LINOTYPE, described, 206.
- THERMOSTAT GAS GOVERNOR, described, 97; diagram of, 98; improved design, 99.

- TIMING PIN, 218.
- TIN, in Linotype metal, 105.
- TOOTH, HUNTING. See *Hunting Tooth*.
- TOUCH SYSTEM, 170.
- TRANSFER LEVER SLIDE, in action, 146.
- TRANSFER SLIDE, 33.
- TRANSPOSITIONS. See *Matrix*.
- TRAYS, MATRIX. See *Matrix Trays*.
- TRIGGER, KEYBOARD, 4, 5, 6; on later keyboards, 7.
- TRIMMING KNIVES, adjustment of, 73, 200; in action, 146; care of, 219.
- TWO-LETTER ATTACHMENT, described, 17; on lead and rule caster, 197.
- TYPE FAMILIES, specimen booklets of, 229.
- TYPE, table of measurement of, 227.
- TYPOGRAPHIC REFERENCE LIBRARY, 230.
- TYPOGRAPHIC SPECIMENS, 229.
- TYPOGRAPHY, Manual of Linotype Typography, 229.
- U**NIVERSAL ADJUSTABLE MOLD. See *Mold*.
- UNIVERSAL ADJUSTABLE LOW MOLD. See *Mold*.
- UNIVERSAL EJECTOR. See *Ejector, Universal*.
- UNIVERSAL KNIFE BLOCK. See *Knife Block, Universal*.
- "UPPER TRANSFER," described and illustrated, 113.
- V**ENTILATION, 225.
- VENTS, function of, 103.
- VERGE, ESCAPEMENT. See *Escapement Verge*.
- VERGE SPRING, 8.
- VERTICAL LEVER, adjustment of, 158.
- VISE, lowering, 164; notes concerning, 215.
- VISE AUTOMATIC, adjustment of, 32, 164, 215; functioning, 215.
- VISE AUTOMATIC DISK DOG, 48.
- VISE AUTOMATIC LEVER, 47.
- VISE CAP, 45, 66.
- VISE-CLOSING CAM, 78; diagram of, 79, 81; oiling, 168.
- VISE-CLOSING CAM ROLL, oiling, 168.
- VISE-CLOSING LEVER, action of, 145; oiling, 168.
- VISE FRAME, 50; sectional view of, 64, described, 66, 70.
- VISE JAWS, 50; diagram of, 51; action of, 145; adjustment of, 161; on lead and rule caster, 195.
- VISE JAW LEFT HAND ADJUSTING BAR, 164.
- VISE JAW WEDGE SPRING, action of, 145.
- VISE JUSTIFICATION BAR, 50.
- VISE JUSTIFICATION BAR BLOCK, 50, 52; withdrawn after first justification, 53.
- VISE LOCKING SCREWS, 66.
- VISE LOCKING STUDS, 66.
- VISE STOPPING ROD, adjustment of, 161.
- W**ATER PIPING, diagram of, 223.
- WEDGES. See *Spacebands*.
- WEIGHT, of Linotype slugs, 226.
- WHEEL, STAR. See *Star Wheel*.
- WIRING. See *Electric Wiring*.