Index

Actions
cam, 286-288
machine, 288-289
machine, All-Purpose Linotype, 468
Adaptor, elevator, All-Purpose Linotype, 461
Adding magazines, 37
Adjustable mold, Universal, 21, 41, 140
mold liners, 140, 143
changing, 25, 140, 141, 143, 146, 151
Adjustments, Linotype, 382-386
Advertising Figure mold, 25, 41, 143
special, 41, 143
Advertising lines, All-Purpose Linotype, 458
Air cushion
delivery slide, 100
maintenance, 106
oscillating mechanism, Models 29 and 30, 316
Self-Quadder, 397
Aligning dial, All-Purpose Linotype, 452, 463
and wedges, 452
Alignment
adjustment of transfer, 246
drilled, All-Purpose Linotype, 458
face, 129
matrices, relative, 39
mold, 40-43
vertical, 129
All-Purpose Linotype, 445-473
advertising lines, 458
aligning dial, 452, 463
and wedges, 458
aligning type face on slug, 470
casting interval regulator, 452
casting Linotype matrices, 462
casting matrices of other manufacture, 463
composing the line on the, 454
driving clutch, maintenance, 471
ejector cam, maintenance, 471
elevator slide, maintenance, 470
elevator adaptor, 461
equipment, 446-454
furniture rack, 451
individual type on the, 450
initials
two- or three-line, 459
raised, 460
Linotype metal for, 473
maintenance, 470-473
matrices, 447
matrix blocks, 461
matrix cabinet, 446
metal feeder, 453
molds and liners, 448
mold slide, maintenance, 471
motor, 452
operation, 454-470
overhanging work, 457
pot pump maintenance, 471
rule form system, 464
safeties, 467
slug
cooling attachment, 451
face surfacer, 450
maintenance, 471-472
trimmer saw, 450
maintenance, 472
stick aligning rail and elevator adaptor, 461
sticks, 448
table top, 453
vise automatic, maintenance, 470
Alternating current motors, 437, 439
Application of Micro-Therm control to outstanding Linotype electric metal pots, 200
Artificial gas, plant governors, 161
Asbestos packing for pot, 152
Assembler, 81
adjustment, 385
belt, 11, 81
adjusting tension of, 81
block (assembler), 81
lubrication, 84
entrance, 65-66, 69-74, 79-84
chute finger, 81
maintenance, 82-84
revolving, 66, 79
star wheel, 81
friction clutch, 83
Two-In-One, 79
upper (oscillating) Models 29 and 30, 65, 80
mechanism of, 314-319
maintenance, 318
setting, 69
entrance front, Model 9, 364
front, mechanism of oscillating (upper), Models 29 and 30, 314-319
maintenance, 318
guides, 11
rail, 40
slide, 90-92
brake, 90
adjustment, 385
finger, 91, 99
maintenance, 92
Assembling elevator, 21, 93-97
adjustments, 385
change of measure, 15
delivery slide release pin, 94
adjusting, 96
duplex rails, 18, 93, 95
finger, adjusting, 96
gate, maintenance, 97
lever link, adjustment, 97
maintenance, 96-97
matrix buffers, 95
replacing, 96
matrix detaining plates, 95
matrix retaining pawls, 95
matrix support rail, 93, 96
oiling, 97
removing, 96
two-letter attachment, 95
Assembling line of matrices, maintenance of mechanism for, 412
Attachment, simple two-letter, 114, 116-118
Automatic ejector set, 216
Automatic pump stop, maintenance, 417
Automatic switch, Micro-Therm temperature control, 197
Automatic starting mechanism, 102
Automatic, vise, 113-114, 115
adjustment, 113, 120
Auxiliary lever, first elevator, adjustment of, 111
Auxiliary line safety, 116
Auxiliary magazine, 60
Elevating mechanism for, 348-353
method of timing, 352
Back knife, 144
  adjustment, 148, 385
  sharpening, 149
Back milling, matrix, 40
Back mold wiper, 144
  care of, 151
Back squirts, causes of, 208-209
Bail box, 65, 74
  maintenance, 75
Bar
  distributor, see Distributor bar
  first elevator slide guide intermediate, 235
  keyboard key, 47
  second elevator, 34, 235
  vise justification, 128
Beam, distributor
  horizontal adjustment, 262
  vertical adjustment, 262
Bellows, expansion, see Expansion bellows
Belt, assembler, 11, 81
  adjusting tension of, 81
Bevel cut, matrix, 39
Big Scheme of Simple Operation, The, 3-37
Blades, Universal ejector, 213
Blank slugs, casting, Self-Quadder, 393
Block
  assembler, 81
  lubrication, 84
  knife, Universal, 33
  lapping, 149
  matrix slide, 36
Blocks
  matrix, All-Purpose Linotype, 461
  mold disk locking stud, 126, 134
  adjustment, 151, 383
Blowing of fuses, grounding, 182
Blue Streak magazine shift, 61, 294, 343-353
Bolt, second elevator adjusting, 242
Box
  bail, see Bail box
  distributor, see Distributor box
  spaceband, see Spaceband box
Brake, assembler, slide, 90
Bridge Indicators, Models 29 and 30, 312
  adjustment of, 319
Bridge notch, matrix, 38, 365-369
 Bridges
  adjustable, Models 29 and 30, 312
  matrix, 370-372
  Model 9, 371
  Models 25 and 26, 370
  Models 29 and 30, 370
Buffer
  assembling elevator matrix, 95
  replacing, 96
  distributor shifter, 255
  spaceband, 95
  maintenance, 92
Burner,
  Gas, see Gas burner
  Linotype gasoline-kerosene, with pressure tank, 163
Button, keyboard key, 47
Cam—continued
  pot return, 155
  shoes, mold turning, 135, 136
  stop strip, keyboard, 47
  to replace, 55
  yoke, keyboard, 47
  trigger, 47
Cams, main, 286-288
  maintenance, 289
  All-Purpose Linotype, 469
  Cam Actions and Machine Actions, 286-289
  Capacity of metal pot, 164
Castings
  from Linotype matrices on All-Purpose Linotype, 462
  from other hand-set matrices on All-Purpose Linotype, 463
Interval regulator, All-Purpose Linotype, 452
  mechanism, 3
Catalog of special supplies, 442
Causes of transpositions, 82-84
Centering lines, Self-Quadder, 392
Change of measure
  assembling elevator, 15
  delivery slide, 15
Changing length of line, 140, 141, 143, 146, 151
Changing mold liners, 25, 140, 141, 143, 146, 151
Channel, magazine, 57
Channel Chooser, 321-327
  operating sequence, 325
  setting the, 325
Channel entrance
  maintenance, 418
Two-In-One single distributor Linotype
  distributor bar positioning mechanism, 341
  distributor safety, 341
  revolving the, 342
  to open, 342
Character
  auxiliary position of matrix, 38
  normal position of matrix, 38
Charts, tooth combination and lug, 271-275
Chute finger, 15, 40
  assembler entrance, 81
Clapper switch, electric pot, 171
Cleaner, matrix reference, Dixon's, 46
Cleaner and holder, Perfect, 45
Cleaning matrices, 45
Cleaning and oiling, 421-435
Clutch
  and driving pulley, 276-278
  maintenance, 283-285
  collar, clearance, 284
  distributor, Model 9, 362
  distributor, on single distributor Linotypes, 264-268
  maintenance, 267-268
  driving, adjustment, 382
  failure to disengage, 285
  friction clutch arms, 284
  leathers, 284
  main driving, All-Purpose Linotype, maintenance, 471
  star wheel friction, 83
Circuits, connecting electric metal pot to various, 176
Coll, magnetic switch kick-out, 172
  panel box resistance, 172
Combinations, tooth, on bar and matrices, 269-275
Composing the line, All-Purpose Linotype, 454
Connecting link, first elevator, 110, 115
Control
- equipment, 42-em electric metal pot, 375-379
  Micro-Therm
  electric metal pot, 31, 196-206, 210, 378-379
  gas temperature, 160-161, 162
  panel, 171, 174
  testing, 184
  wiring, 184
- Controlled alignment, All-Purpose Linotype, 458
- Cooler, Thermo-Blo Mold, 440
- Cooling, slug, All-Purpose Linotype, 451
- Cover, pot, 166

Crucible heat control, Micro-Therm.
  see Micro-Therm

Crucible heater
- Lino-Therm, 194-196
  No. 1, removal of, 192
  replacement, 192
- No. 2, removal of, 185
  replacement of, 185

Crucible heaters
- connected in series, 168
- in parallel, 168
- Nos. 1 and 2, 167, 168

Cut
- matrix bevel, 39
- matrix clearance, 39

Decimals equivalent of type bodies, 443

Definitions, electrical, 174-175

Delivery air cushion, 100, 106

Delivery channel, 104

Delivery pawl, delivery slide, 100

Delivery slide, 95-107
  adjustments, 384
  air cylinder (cushion), 100
  automatic starting mechanism, 102
  change of measure, 15
  delivery pawl, 100
  long finger, 99
  adjustment, 105
  friction, 106
  lubrication, 106
  maintenance, 104-107
  releasing pln, 94, 101
  adjustment, 96
  removal of, 106
  retaining pawls, 104
  short finger, 99
  travel, adjustment of, 101-105

Diagrams, wiring, 174, 184, 186-188, 201, 202, 204
  Micro-Therm controlled electric metal pot, 199, 200, 201

Dial, aligning, All-Purpose Linotype, 463
  and wedges, All-Purpose Linotype, 452

Direct current circuits (two and three wire), connecting pot to, 176

Direct current motors, 437, 438

Dimensions of matrix, 39

Disk, mold, 21

Dismantling a Linotype, 386-390

Display mold, 25
  or headletter mold, one-letter, 142
  two-letter, 142

Display mouthpiece, 159

Distinguisher, font, 35, 255
  to replace, 262

Distribution of matrices, 250

Distributor
  back screw, to open, 262
  and channel entrance safety, on Two-In-One single distributor Linotypes, 341
  bar, 259
  and channel entrance, positioning
    mechanism on single distributor
    Two-In-One Linotypes, 332-342
    maintenance of, 341
  sectional, 291, 294
  tooth combinations, 269-275

beam, adjustment, 386
  horizontal adjustment of, 262
  vertical adjustment of, 262

box, 35
  adjustment, 385
  bar, 252
  bar point maintenance, 260
  font distinguisher, 255
  to replace, 262
  lower, for multiple distribution, 297-301
  timing, 308-309
  matrix lift, 35, 252
  adjustment, 261, 385
  maintenance, 261
  rails, 252
  maintenance, 261
  single distributor Linotypes, 250-256, 260-262
  maintenance, 260-262
  testing, 261
  to remove, 260
  upper for Models 25 and 26, 296, 297, 298
  upper for Models 29 and 30, 314

clutch
  lubrication, 268
  maintenance, 267-268
  Model 9, 362
  removal of, 267
  single distributor Linotypes, 264-269
  spring tension, 268
  starting distributor, 267
  maintenance, 418
  multiple, Models 25 and 26, 312-314
  Model 9, maintenance of, 363-364
  Models 25 and 26, maintenance, 308-309
  oil, 421
  use sparingly, 263
  screw bearings, use of oil, 418
  screw guard, 259
  adjustment, 384
  shifter, 244
  maintenance, 249
  buffer, 255
  slide, 246
  maintenance, 249
  single distributor Linotypes, 257-263
  maintenance, 252-263
  spiral automatics, 258
  maintenance, 263

Dixon's matrix reference cleaner, 46

Double e (ee) attachment, 59

Double plunger, 42-em, 374

Doublets, matrix, 411

Driving
  clutch, adjustment, 382
  mechanism, 276-278, 283-285
  shaft, to remove, 283
  starting and stopping mechanism, 276-285
  maintenance, 283-285

Duplex Display matrices, 39

Duplex rails, assembling elevator, 93
  first elevator jaw, 108

Dynamic thermometer, 168
  fluttering switch, 183
  to remove or replace, 193
Index

ee (double e) attachment, 59
Ejection mechanism, maintenance, 417
Ejector, Universal, 92, 157, 213-218
blades, 213
adjustment, 385
replacement of, 217
cam, All-Purpose Linotype, maintenance, 471
42-em Linotype, 373
lever
adjustable pawl, 217
removal of, 217
adjusting stroke of, 217
maintenance, 216-218
set, automatic, 216
slide, removal of, 216
Electric and gas metal pots, 152-212
maintenance, 206-212
Electric metal pot, 163-212
application of Micro-Therm control to outstanding Linotypes, 200
equipped with envelope heaters and mechanical thermostat
heats up slowly, 179
operation, 177
overheats, 180
replacement of parts, 185-194
troubles and testing, 178
will not heat up, 179
42-em, 375-379
Lino-Therm heaters, 378-379
Micro-Therm control, 378-379
heaters, envelope, 164, 167
Lino-Therm, 31, 194-196
for 42-em Linotype, 378-379
installation of, 175
instruction book, 152
interchangeability with gas metal pot, 163
with envelope heaters and dynamic thermometer or mechanical thermostat, 152-159, 163-194, 206-209, 210, 211-212
replacement of parts, 185-194
with Lino-Therm heaters and Micro-Therm control, 152-159, 194-210
Elevating mechanism
for auxiliary magazines, 348-353
for main magazines, 344-348
Elevator
adaptor and stick aligning rail, All-Purpose Linotype, 461
assembling, see Assembling elevator
first, see First elevator
second, see Second elevator
slide, All-Purpose Linotype, maintenance, 470
transfer and spaceband shifter cam, 238
strokes of, 239
transfer lever, 237
adjustment, 384
Entrance
assembler, 65-66, 69-74, 79-84, see also Assembler entrance
channel, see Channel entrance magazine, 59
Envelope heaters, 164, 167
and control equipment for 42-em electrical metal pot, 375-378
Escapement, 9, 11, 62
action of, 62
maintenance, 76, 411
mechanisms, 62-78
Model 9, 355-358
Models 8 and 14, 63, 66-69
Models 27 and 28, 68
Models 29 and 30, 65-74
Models 31 and 32, 32, 66, 69, 71
Escapement—continued
pawl, 62
plunger, 62
straight-line, importance of, 293
verge, 62
Expansion bulb and bellows, Micro-Therm temperature control
gas, 160
electric, 197
Expansion element or rod, mechanical thermostat, electric metal pot, 169
Face alignment, 129
Failure
of magnet switch resistance coils, 173
of slug to eject, 218
Feeder, metal
Kendall, 439
Margach, 440
Figure advertising mold, 25, 41, 143
Special, 41, 143
Filling piece, first elevator slide, 114
Finger
assembler entrance chute, 81
assembler slide, 91, 99
assembling elevator duplex rail, adjustment, 96
chute, 15, 40
Finger key, quick mixing, 310, 317
First elevator, 21, 108-122
adjustments, 383
for normal position, 111
auxiliary lever, adjustment, 111
cam, 108, 111
connecting link, 110, 115
adjustment, 383
intermediate bar, adjustment, 385
jaw, 108, 109
duplex rail, 108
maintenance, 121-122, 413
Self-Quadder, cleaning or repairing, 403
lever link, 110, 115
line stop, 108
maintenance, 122
maintenance, 119-122
movement of, 111
pawls, 108
slide, 108, 115
adjustment, 112
filling piece, 114
gibs, 111
adjustment, 383
guide, adjustment, 385
intermediate bars, 235
pawls, 235
lubrication, 122
maintenance, 413
safety, 118
First Justification, 126-130
Fixed indention with Self-Quadder, 391
Fluttering switch
dynamic thermometer, 183
mechanical thermometer, 184
Font
distinguisher, 35, 255
to replace, 262
slot, matrix, 38, 365
Forked matrix, to test clearance of, 285
42-point alignment matrices, 39
42-em Linotype, 373-381
ejector, 373
metal pot and double plunger, 374
maintenance, 380-381, 420
42-em Linotype—continued
metal pot and double plunger—continued
envelope heaters and control
equipment, 375-378
Lino-Therm heaters and Micro-Therm
control, 378-379
mold disk and molds, 373
pot mouthpiece wiper, 379
Frame
keyboard cam yoke, to remove, 53
magazine, setting of, 74
vise, 123-126
Friction clamp, mold driving pinion shaft, 136
Friction clutch, star wheel, 83
Front
assembler, 65-66, 69-74, 79-84, see also
Assembler entrance
entrance, Model 9, 364
oscillating or upper, 65, 80, 310
maintenance, 318
mechanism of, 314-319
setting of, 69
guide holder, pivoting, 65, 310
mold wiper, 145
movable and magazines, Model 9,
adjustment, 364
revolving, on single distributor Two-in-One
Linotypes, 66, 79, 321
Furniture rack, All-Purpose Linotype, 451
Fuses
blow, grounding, 182
electric metal pot, 172
mouth and throat heater circuit, 172

Galley, 33, 226-231
Inclined, 228, 229
reversible, Hebrew, 228
vertical, 226
Gas
and electric metal pots, 152-212
maintenance, 206-212
burner, 159-163
governor, thermostatic, 159-160, 210
metal pot, 159-163
thermostat, 211
Micro-Therm, 211
thermostat, 210
plant governors for,
artificial, 161
natural, 163
temperature control,
Micro-Therm, 160-161, 162, 211
thermostat, 159-160, 210
Gasoline-kerosene burner with pressure
tank, 163
Gate, assembling elevator, maintenance, 97
General maintenance, 410-420
Gibs, first elevator slide, 111
Governors, plant
artificial gas, 161
natural gas, 163
Graphite, Dixon's No. 635. 43
Grease, Linotype, 421
Grooves, matrix lightening, 39
Ground (grounded circuit), 178
Grounding, fuses blow, 192
Guard, distributor screw, 259
Guide, mold cap, 139
Guides, assembler, 11
Hair lines, 120
to prevent, 43
Hand shift of magazines on Models 25
and 26, 301-302
Head-letter or display mold
one-letter, 142
two-letter, 142
Heaters,
for electric metal pot
envelope, 164, 167, 192
Lino-Therm, 31, 194-196
for 42-em Linotype, 378-379
gas, see Gas burner
Hebrew galley, 228
Holder
and cleaner, matrix (Perfect), 45
pivoting front guide, 65, 310
Horizontal transfers, 233, 244
How to take down a Linotype, 386-390
Humming, magnetic switch, 183
Identification numbers, matrix, 372
Inclined galley, 228, 239
maintenance, 231
Indention, fixed, with Self-Quadder, 391
Indicating lamps, Micro-Therm temperature
control, 197
Indicators, bridge, Models 29 and 30, 312
adjustment, 319
Individual type on the All-Purpose Linotype, 450
Intials
two- or three-line, All-Purpose Linotype, 459
raised, 460
Installation of electric metal pot, 175
Instruction book, Linotype electric metal
pot, 152
Instructions for operating Linotype
Self-Quadder, 392
Intensifier, Pierson, pot pump spring, 157, 158
Interchangeability of electric metal pot with
gas metal pot, 163
Intermediate channel, 235
front plate extension, 236, 237
Invar steel rod, thermostat gas governor, 159
Jacket and pot crucible, 152-159
Jaw, first elevator, 108, 109
Jaws, vise, 126, 127, 128
Justification, 126-131
and vise jaw, maintenance, 131-132
bar, 128
care of, 131
first, 126-130
imperfect, 131
lever, 127
mechanism, general maintenance, 414
rods
and bar, care of, 131
lubrication, 132
second, 130
stop levers, Self-Quadder, adjustment of, 405
wedge, adjusting, 131
Keeper, mold, 139
Kendall metal feeder, 439
Kerosene-gasoline burner with pressure
tank, 163
Key, quick mixing finger, 310, 317
Key bar, keyboard, 47
cleaning, 55
Index

Keyboard, 3, 7, 47-56
  cam, 47
  oil, 421
  pin, 47
  removing, 9
  stop strip, 47
  replacing, 55
  yoke, 47
  cleaning, 53
  frame, removing, 53
  spring, 51
  trigger, 47
keyboard cleaning, 55
weight, 47
keybutton, 47
key lever, 47
  cleaning, 55
maintenance, 53-56
oil, 421
overthrow, 51
practice, 441
reassembling, 56
  rod (reed), 47, 63
  lever slide, Two-in-One Linotype
    Models 8, 14, 25 and 26, 327-332
    Models 29 and 39, 315
rubber roll, 47
  replacing, 54
  supplemental, 440
  upper guide, adjustment, 386
yokes and cans, cleaning, 53
Keybutton, keyboard, 47
Key lever, keyboard, 47
  cleaning, 55
Knife
  back, 144
  adjustment, 148
  sharpening, 149
  block, Universal, 33, 219-225
  maintenance, 223-225, 417
  old style, 222
  quick-opening advertising figure, 440
  wiper, 118
Knives, left- and right-hand trimming,
  adjusting, 223-225
  sharpening, 225
Lamp
  in series, testing electric metal pot, 178
  indicating, Micro-Therm temperature
    control, 197
  use of, as resistance, 172
Lapping block, 149
Leads and slugs, thickness of, 443
Leathers, clutch, 284
Left-hand vise jaw
  detent operating lever, Self-Quadder, 397
  operating lever, Self-Quadder, 396
Length of line change, 140, 141, 143, 146, 151
Lever, keyboard key, 47
Lift, matrix
  adjustment, 308
  maintenance, 261
Lin., composing the, All-Purpose Linotype, 454
Line delivery slide, see Delivery slide
Liners
  and molds, 139-144, 145-146
  All-Purpose Linotype, 448
  changing, 140, 141, 143, 146, 151
  mold, 21
  recessed mold, 141
Line stop, first elevator, maintenance of, 122
  Lines, matrix face, 39
Link
  assembling elevator, adjustment of, 97
  first elevator connecting, adjustment, 333
  first elevator lever, 110, 115
Lino-Saw, Nohr, 436
Lino-Therm heaters, 31, 194-196
  42-em, 378-379
  with Micro-Therm control, 194-210
Linotype
  adjustments, 382-386
  All-Purpose, see All-Purpose Linotype
  gasoline-kerosene burner with pressure
    tank, 163
  grease, 421
  how to dismantle, 386-390
  Keyboard Operation, 441
  metal, 444
  correct operating temperature, 210
  motors, 437-439
  a.c., 439
  d.c., 438
  oil, 421
  Self-Quadder, 391-409
  instructions for operating, 392
  maintenance, 393-409
  slug, 5
  handling, 6
  Locking screws, vise, 123
  Locking stud block, mold disk, 134
  adjusting, 151
Lock-up, 118
  testing, 206
Logotype matrices, 39
Long finger, delivery slide, 99
  adjustment, 105
  friction, 106
Lower distributor box, for multiple
distributors, 297-301
timing, 308-309
Lower stopping lever, adjustment, 382
Lubricants, Linotype approved, 421
Lubrication,
  assembler block, 84
  first elevator slide, 122
  general, 421-435
  justification rods, 132
Lug and tooth combination charts, 271-275
Lugs, matrix, 38
  repairing damaged, 45
Machine actions, 288-289
  All-Purpose Linotype, 468
Magazines, 3, 57-78
  addition of, 37
  adjusting on Models 25 and 26, 309
  and movable front, Model 9, 364
  auxiliary, 60
  elevating mechanism for, 348, 353
  method of timing, 352
  before removing, from Linotype, 419
  channels of, 57
  entrance, 59
  hand shift on Models 25 and 26, 301-302
  locking strip, 419
  main, elevating mechanism for, 344-348
  maintenance, 419
  power shift on Models 25 and 26, 301-308
  removing, 76, 419
  safety latch, 419
  setting of bottom, 74
  sequences possible with Channel Chooser, 325
  shift, Blue Stroke, 61, 234
  mechanism, 343-353
Index

Magazines—continued
split, 59
Two-In-One Linotype, arrangement
of, 325, 357
Magnetic switch, electric metal pot, 171
humming, 183
kick-out coil, 172
resistance coils, failure of, 173
Magneto, testing, electric metal pot, 178
Main magazines, elevating mechanism for, 344-348

Maintenance
All-Purpose Linotype, 470-473
assembler entrance, 82-84
assembler slide, 92
assembling elevator, 96-97
assembling elevator gate, 97
automatic pump stop, 417
ball box, 75
channel entrance, 418
channel entrance and distributor bar safety mechanism on single distributor
Two-in-One Linotypes, 341
cleaning and oiling, 421-435
delivery air cushion, 106
delivery slide, 104-107
distributor, 418
Model 9, 363-364
Models 25 and 26, 308-309
distributor bar and channel entrance mechanism on single distributor
Two-in-One Linotypes, 341
distributor box matrix lift, 261
distributor clutch, 267-268
distributor shifter and slide, 249
driving clutch, All-Purpose Linotype, 471
ejector, 216-218, 417
ejector cam, All-Purpose Linotype, 471
electric and gas metal pots, 206-212
elevator slide, All-Purpose Linotype, 470
entrance, mechanism of oscillating (upper), 318
entrance, oscillating or upper assembler, 318
escalements, 76, 411
first elevator, 119-122
jaw, 121-122
line stop, 122
slide and jaw, 413
42-em Linotype, 380-381
gas and electric metal pots, 206-212
gas metal pot thermostat, 210
general, 410-420
42-em Linotype, 420
Justification, 414
rods and bar, 131
keyboard, 53-56
knife block, Universal, 223-225, 417
line delivery slide, 412
Linotype Self-Quadder, 393-409
lubrication, 421-435
magazine, 419
mechanical thermostat, electric metal pot, 211
mechanism for assembling a line of matrices, 412
metal pot, 415
Micro-Therm control for electric metal pot, 210
for gas metal pot, 211
mold, 414
mold disk and mold slide, 147-151
mold disk, 147-151, 414
mold disk guide support screw, 151
mold slide, 147-151
mold slide, All-Purpose Linotype, 471
Maintenance—continued
mold wipers, 415
mouthpiece, 206
multiple distributor Linotype, 420
oiling and cleaning, 421-435
oscillating (upper) assembler front, 318
oscillating mechanism for, 318
plural distributor Linotype, 420
pot mouthpiece wiper, 416
pot pump, All-Purpose Linotype, 471
pot pump plunger, 208
pulley, driving, 285
pump stop, 417
rails, distributor box, 261
second elevator bar, 248-249
Self-Quadder, 393-409
slug face surfacer, All-Purpose Linotype, 471-472
slug saw trimmer, All-Purpose Linotype, 472
spaceband, 43, 412
box, 87-89
buffer, 92
spiral automatics, 263
starting and stopping mechanism, 283, 285
transfer mechanism, 246-249, 417
Two-in-One single distributor Linotype, 420
Universal ejector, 216-218
Universal knife block, 223-225, 417
vise, 415
and justification, 131-132
automatic, 415
All-Purpose Linotype, 470
Manual starting and stopping, 281-282
Margach metal feeder, 440
Marking, matrix references, 39
Matrices
All-Purpose Linotype, 447
described, 3
doubles of, 411
Duplex Display, 39
failure to drop, 410
45-point alignment, 39
hair lines, preventing, 43
Linotype, casting on All-Purpose Linotype, 462
logotypes, 39
maintenance of mechanism for assembling, 412
oil effect of excessive use of, 46
one-letter, 38
ordering, 442
other manufacture, casting on All-Purpose Linotype, 463
relation to molds, 40-43
relative alignment of, 39
transposition of, 410
two-letter 18- and 24-point, 39
Matrix, 38-46
back milling, 40
bar point slot, 38, 254
bevel cut, 39
bevel notch, 39
blocks, All-Purpose Linotype, 461
bridges, 370-372
Model 9, 371
Models 25 and 26, 370
Models 29 and 30, 370
bridge notch, 38, 365-369
cabinet, All-Purpose Linotype, 446
character auxiliary position, 38
normal position, 38
cleaning, 45
Matrix—continued
delivery belt, 81
adjustment, 385
detent, Self-Quadder, 396
dimensions, 39
face lines, 39
font slot, 38, 365-371
guard safety, adjustment, 386
holder and cleaner, Perfect, 45
identification numbers, 372
lifl, distributor box, 35, 252
adjusting of, 308
maintenance, 261
stop, 418
lightening grooves, 39
bars, 38
charts of, 271-275
repairing damaged, 45
punching, depth of, 40
release of, 9, 47
reference cleaner, Dixon's, 46
reference marking, 39
side wall, 40
slide, 36
block, 36
teeth, 35, 38
care of, 44
tooth combination and lug charts, 269-275
triangle number, 293
Mechanical thermostat, electric pot, 164, 169
maintenance, 211
flashing switch, 184
to remove or replace, 193
Metal, Linotype
correct operating temperature for, 210
feeder, 439-440
All-Purpose Linotype, 453
for All-Purpose Linotype, 473
pot, see Pot, metal
Micro-Therm control
application to outstanding Linotype electric metal pots, 200
crucible heat, 199
electric metal pot, 31, 196-206, 210, 378-379
automatic switch, 197
expansion bulb and bellows, 197
for mouthpiece, 199
for pot crucible, 199
42-em Linotype, 378-379
indicating lamps, 197
maintenance, 210
wiring diagrams of, 199, 200, 201
with Lino-Therm heaters, 194-210
gas metal pot, 160-161, 162
calibrations, 211
expansion bulb and bellows, 160
maintenance, 211
mouthpiece heat, 199
Milling, back, matrix, 40
Miscellaneous, 436-444
Mixer Linotypes
Models 25 and 26, 295-309
Models 29 and 30, 310-319
Mixing
finger key for quick, 310, 317
faces on the Linotype, Model 9, 355
Models 25 and 26, 301
Models 29 and 30, 310-311
Model 9, 354-364
adjustment of magazines and movable front, 364
assembler entrance front, 364
Model 9—continued
distributor, 362
maintenance, 363-364
distributing mechanism, 358-364
escapement mechanism, 355-358
matrix bridges, 371
mixing faces, 355
Models 8 and 14, 290, 292, 294
escapement mechanism, 63, 66-69
Two-In-One, Keyboard rod lever shoe shifting mechanism, 327-332
Models 25 and 26, 295-309
adjusting the magazines, 309
hand shift of magazines, 301-302
maintenance of distributor, 308-309
matrix bridges, 370
mixing faces, 301
power shift of magazines, 301-308
Two-In-One, 320
keyboard rod lever shoe shifting mechanism, 327-332
upper distributor box, 296, 297, 298
Models 27 and 28, 290-292, 294
escapement mechanism, 68
Models 29 and 30, 310-319
adjustable bridges, 312
bridge indicators, 312
adjustment of, 319
distributor box, upper, 314
entrance, oscillating (upper) assembler, 65, 80
setting, 69
mechanism of, 314-319
escapement mechanism, 65-74
maintenance, 318
matrix bridges, 370
mixing faces, 310-311
multiple distributor, 312-314
Two-In-One, 320
keyboard rod lever shoe shifting mechanism, 315
Models 31 and 32, 295-304
escapement mechanism, 66-69, 71
Two-In-One, 321-327, 332-342
Models, Two-In-One, 66-69, 294, see also
Two-In-One Models
Modern Newspaper, The, 441
Mohr Lino-Saw, 446
Mold
advertising figure, 25, 41, 145
alignment, 40-43
body, 139
cam lever eccentric pin, Self-Quadder, adjustment of, 405
cam lever, "resilient", Self-Quadder, adjustment of, 407
cap, 139
guide (post), 139
cooler, Thermo-Bio, 440
disk, 21, 133-137
and molds, 42-em, 373
care in pulling forward, 142
guide support screw, 137
maintenance, 151
locking stud block, 126, 134
adjustment, 151, 383
maintenance, 147-151, 414
mold and mold slide, 133-151
pinion, 134
display, or head-letter, 25
one-letter, 142
two-letter, 142
driving pinion shaft friction clamp, 136
adjustment, 384
Index

Mold—continued
keeper, 139
liners, 21, 140, 143
changing, 25, 140, 141, 143, 146, 151
maintenance, 414
mold disk and mold slide, 133-151
maintenance, 147-151
recessed, 23, 141
slide, 137-139
adjustment, 149, 383
All-Purpose Linotype, maintenance, 471
cam, 155
42-em Linotype, 373
maintenance, 147-151
means of connecting and disconnecting, 138
mold and mold disk, 133-151
removal of, 151
special advertising figure, 41, 143
turning
bevel pinion adjustment, 383
cam
adjustment, 383
shoes, 135, 136
mechanism, adjustment, 147
segments, 134, 136
universal adjustable, 21, 41, 140
mold liners, 140, 143
changing, 140, 141, 143, 146, 151
wiper,
back, 144
front, 145
maintenance, 151, 415
Molds, 21
and liners, 139-144, 145-146
All-Purpose Linotype, 448
42-em Linotype, 373
relation to matrices, 40-43
six-mold disk
24½-em, 145
30-em, 146
Motors, Linotype, electric, 437-439
a.c., 439
All-Purpose, 453
d.c., 438
Mouth heaters, electric metal pot, 167, 168
and throat heaters, connected in series, 168
removal of, 192
replacement of, 192
Mouthpiece, pot, 158
display, 158, 159
heat control,
Micro-Therm, 199
rheostat, 172
gets too hot or cold, 182
will not heat, 181
maintenance, 206
vents, 159
wiper, 439
maintenance, 416
Multiple distributor Linotype
maintenance, 430
Model 9, 358-364
Models 25 and 26, 295-309
Models 29 and 30, 310-319
Two-In-One, 320
Multiple key rod (ee) attachment, 59

Natural gas, plant governors, 163
Newspaper Makeup, 441
Normal position, first elevator, adjustment for, 111
Notch, matrix bevel, 39
Notch, matrix bridge, 38, 365-372
Number, matrix triangle, 39
Number 1 crucible heater, 192
Number 2 crucible heater, 185

Oil
effect on matrices of excessive use, 46
keyboard and distributor, 421
keyboard cam, 421
Linotype, 421
use of, in distributor screw bearings, 418
Oiling
and cleaning, 421-435
assembling elevator, 97
Old style knife block, 222
maintenance, 223-225
One-letter display or head-letter mold, 142
One-letter display matrices, 38
One-turn, Blue Streak, magazine shift, 294, 343-353
Open (open circuit), 175, 178
Operating sequences with Channel Chooser, 325
Operation, All-Purpose Linotype, 454-470
Operation, Big Scheme of Simple, 9-37
Ordering
matrices, 442
parts, and supplies, 442
Oscillating (upper) assembler entrance, 65, 80, 310
driving mechanism, 314-319
maintenance, 318
maintenance, 318
setting, 69
Overhanging slug, 143
Overhanging work, All-Purpose Linotype, 457
Overthrow, keyboard, 51

Packing for pot, asbestos, 152
Panel box, electric metal pot, 164, 171
testing, 184
wiring, 184
Parallel connection, crucible heaters in, 168
Parts and supplies, ordering, 442
Pawl
assembling elevator matrix retaining, 95
delivery slide retaining, 104
escapement, 62
first elevator, 108
slide guide intermediate bar, 235
spaceband lever, adjustment of, 248
transfer safety, adjustment, 248
Perfect matrix holder and cleaner, 45
Piece, first elevator slide filling, 114
Pierson pot pump spring intensifier, 157-158
Pin, keyboard cam, 47
Pinion
mold disk, 134
driving shaft, 283
Pivoting front guide holder, 65, 310
Plant governors
artificial gas, 161
natural gas, 163
Plate, assembling elevator matrix retaining, 95

Plunger,
escapement, 62
pot pump, 152, 208
Plural distributor, see Multiple distributor
Point system, 442
Post, mold cap, 139
Pot, 30
adjustment, 384
asbestos packing for, 152
capacity of, 164
Index

Pot—continued
cover, 166
crucible and jacket, 152-159
crucible heat control, Micro-Therm, 199
electric, 163-212
Lino-Therm heaters, 31, 194-196, 378-379
Micro-Therm control, 31, 199
42-em Linotype, 375-379
gas, 152-163
lever, 155
eye bolt, adjustment, 384
Lino-Therm heaters for electric, 31, 194-196, 378-379
lock-up, testing, 206
maintenance, 415
Micro-Therm control of electric, 31, 199
application to outstanding machines, 200
mouthpiece, 158
wiper, 439
42-em, 379
maintenance, 416
pump
All-Purpose Linotype, maintenance, 471
cam roll, 155
lever spring, 155
plunger, 152
double plunger, 42-em Linotype, 374
maintenance, 208
spring, Pierson Intensifier, 157-158
stop, 152-158
adjustment, 386
and right hand vise jaw, 154
lever
Self-Quadder, 397
operating lever, 156
stop pin, 156
return cam, 155
shoe, 155
Power shift of magazines on Models 25 and 26, 301-308
Practice keyboard, 441
Pulley (driving) and clutch, 276-278
maintenance, 283-285
Punching, depth of matrix, 40
Quadding with the Self-Quadder
centered lines, 392
to left, 392
to right, 392
Quick change left-hand vise jaw attachment, 29
Quick-drop attachment, 209
semi quick-drop, 209
Quick inking finger key, 310, 317
Quick-opening advertising figure knife block, 440
Rack. furniture, All-Purpose Linotype, 451
Rail
assembler, 40
assembling elevator duplex, 18, 93, 95
assembling elevator matrix support, 93, 96
distributor box, 252
maintenance, 261
first elevator jaw duplex, 108
stick aligning, All-Purpose Linotype, 461
Reassembling keyboard, 56
Recessed mold, 23, 141
liners, 141
Reed. Keyboard, 47, 63
Reference cleaner, matrix, Dixon's, 46
Reference marking, matrix, 39
Regulator, casting interval, All-Purpose Linotype, 452
Release mechanism
matrix, 9, 47
spaceband, 85, 87
Releasing pin, delivery slide, 94, 101
adjustment, 96
Resistance
cell, panel box, 172
failure of, 173
use of incandescent lamps as, 172
Retaining paws, delivery slide, 104
Reversible (Hebrew) garley, 228
Revolving assembler entrance, 66, 79
Revolving front, single distributor
Two-In-One Linotypes, 66, 79, 321
Rheostat, electric metal pot mouthpiece
control, 172
Right hand vise jaw and pump stop, 154
Rod, keyboard, 47, 63
Roll, keyboard rubber, 47
to replace, 54
Rule form system, All-Purpose Linotype, 464
Safeties, All-Purpose Linotype, 467
Safety
auxiliary line, 116
first elevator slide, 118
pawl, adjustment, 382
second elevator catch, 244
Two-In-One distributor and channel entrance, 341
Saw
Mohr Lino-, 436
trimmer, slug, All-Purpose Linotype, 450
maintenance, 472
Schematic wiring diagrams, 201
Screws, vise locking, 123
Second elevator, 34, 235, 242
adjusting bolt, 242
adjustment, 383
bar, 34, 235
adjustment and care of, 248-249
link, 235
plate, 235
adjustment, 242
stop pawl, 242
cam lever, 242
lever, 235
safety catch, 244
starting spring, 242
Second justification, 130
Sectional distributor bar, 291, 294
Segments, mold turning, 134, 136
Selector handle, Self-Quadder, 395
Self-Quadder, 391-409
casting blank slugs, 393
centering lines, 392
cleaning or repairing vise and vise cap, 403
to control of spaceband driver, 405
fixed indentation with, 391
instructions for operating, 392
justification stop levers, adjustment of, 405
left hand vise jaw
detent operating lever, 397
operating lever, 396
safety detent, adjustment of, 409
maintenance, 393-409
matrix detent, 396
centering pin, adjustment of, 405
“resilient,” adjustment of, 407
pot pump stop lever, 397
quadding
to left, 392
to right, 392
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-Quadder—continued</td>
</tr>
<tr>
<td>selector handle, 395</td>
</tr>
<tr>
<td>toggle</td>
</tr>
<tr>
<td>lever and connecting block, 394</td>
</tr>
<tr>
<td>lock, 399</td>
</tr>
<tr>
<td>cleaning or repairing, 401</td>
</tr>
<tr>
<td>vise control, 394</td>
</tr>
<tr>
<td>rod latch, cleaning or repairing, 402</td>
</tr>
<tr>
<td>Semi quick-drop, 209</td>
</tr>
<tr>
<td>Series connection</td>
</tr>
<tr>
<td>of crucible heaters, 168</td>
</tr>
<tr>
<td>of mouth and throat heaters, 168</td>
</tr>
<tr>
<td>Set, automatic ejector, 216</td>
</tr>
<tr>
<td>Setting the Channel Chooser, 325</td>
</tr>
<tr>
<td>Shaft, driving, to remove, 283</td>
</tr>
<tr>
<td>Sharpening</td>
</tr>
<tr>
<td>back knife, 149</td>
</tr>
<tr>
<td>left- and right-hand trimming knives, 225</td>
</tr>
<tr>
<td>Shift, Blue Streak magazine, 61, 294, 343-353</td>
</tr>
<tr>
<td>Shift of magazines, Models 25 and 26</td>
</tr>
<tr>
<td>by hand, 301-302</td>
</tr>
<tr>
<td>by power, 301-308</td>
</tr>
<tr>
<td>Shifter, distributor, 244</td>
</tr>
<tr>
<td>maintenance, 249</td>
</tr>
<tr>
<td>slide, 246</td>
</tr>
<tr>
<td>maintenance, 249</td>
</tr>
<tr>
<td>Shoe, pot return cam, 155</td>
</tr>
<tr>
<td>Short circuit, definition of, 175, 178</td>
</tr>
<tr>
<td>Short finger, delivery slide, 99</td>
</tr>
<tr>
<td>Slide wall, matrix, 40</td>
</tr>
<tr>
<td>Simple two-letter attachment, 26, 43, 114, 116-118</td>
</tr>
<tr>
<td>Single distributor Linotypes, 290-294</td>
</tr>
<tr>
<td>distributor, 257-263</td>
</tr>
<tr>
<td>box, 250-256</td>
</tr>
<tr>
<td>maintenance, 260-262</td>
</tr>
<tr>
<td>clutch, 264-268</td>
</tr>
<tr>
<td>maintenance, 260-263</td>
</tr>
<tr>
<td>Two-in-One, 320-342, 420</td>
</tr>
<tr>
<td>maintenance, 420</td>
</tr>
<tr>
<td>revolving front, 321</td>
</tr>
<tr>
<td>Single phase circuit, connecting pot to, 176</td>
</tr>
<tr>
<td>Six-mold disk, 146-147</td>
</tr>
<tr>
<td>molds for 30-em, 146</td>
</tr>
<tr>
<td>molds for 24½-em, 145</td>
</tr>
<tr>
<td>Sizes of type, 443</td>
</tr>
<tr>
<td>Slide</td>
</tr>
<tr>
<td>assembler, 90-92</td>
</tr>
<tr>
<td>maintenance, 92</td>
</tr>
<tr>
<td>delivery</td>
</tr>
<tr>
<td>lubrication of, 107</td>
</tr>
<tr>
<td>removal of, 106</td>
</tr>
<tr>
<td>first elevator, 108, 115</td>
</tr>
<tr>
<td>adjustment of, 112</td>
</tr>
<tr>
<td>filling piece, 114</td>
</tr>
<tr>
<td>gibs, 111</td>
</tr>
<tr>
<td>lubrication of, 122</td>
</tr>
<tr>
<td>safety, 118</td>
</tr>
<tr>
<td>keyboard rod lever, on Two-in-One Linotypes</td>
</tr>
<tr>
<td>Models 8, 14, 25 and 26, 327-332</td>
</tr>
<tr>
<td>Models 29 and 30, 315</td>
</tr>
<tr>
<td>matrix, 36</td>
</tr>
<tr>
<td>mold, see Mold Slide</td>
</tr>
<tr>
<td>transfer, 236</td>
</tr>
<tr>
<td>adjustment of travel, 239</td>
</tr>
<tr>
<td>finger, setting of, 238</td>
</tr>
<tr>
<td>Slot</td>
</tr>
<tr>
<td>matrix bar point, 38, 254</td>
</tr>
<tr>
<td>matrix font, 365</td>
</tr>
<tr>
<td>Slug, 5</td>
</tr>
<tr>
<td>cooling attachment, All-Purpose Linotype, 451</td>
</tr>
<tr>
<td>Slug—continued</td>
</tr>
<tr>
<td>face surfacer, All-Purpose Linotype, 449</td>
</tr>
<tr>
<td>adjustment, 471</td>
</tr>
<tr>
<td>removing cutter, 472</td>
</tr>
<tr>
<td>failure to eject, 218</td>
</tr>
<tr>
<td>handling, 6</td>
</tr>
<tr>
<td>lever, 226-231</td>
</tr>
<tr>
<td>new style, 229</td>
</tr>
<tr>
<td>old style, 228</td>
</tr>
<tr>
<td>slug adjuster, 231</td>
</tr>
<tr>
<td>vertical, 226</td>
</tr>
<tr>
<td>overhanging, 143</td>
</tr>
<tr>
<td>All-Purpose Linotype, 457</td>
</tr>
<tr>
<td>removing stuck, 218</td>
</tr>
<tr>
<td>saw trimmer, All-Purpose Linotype, 450</td>
</tr>
<tr>
<td>maintenance, 472</td>
</tr>
<tr>
<td>Slugs</td>
</tr>
<tr>
<td>and leads, thickness of, 443</td>
</tr>
<tr>
<td>weight of, 444</td>
</tr>
<tr>
<td>Spaceband, 4, 85-89</td>
</tr>
<tr>
<td>box, 85-89</td>
</tr>
<tr>
<td>adjustment, 385</td>
</tr>
<tr>
<td>center bar, adjustment, 385</td>
</tr>
<tr>
<td>maintenance, 87-89</td>
</tr>
<tr>
<td>buffer, 95</td>
</tr>
<tr>
<td>maintenance, 92</td>
</tr>
<tr>
<td>driver, Self-Quadder, control of, 405</td>
</tr>
<tr>
<td>lever, adjustment, 384</td>
</tr>
<tr>
<td>pawl, adjustment of, 248</td>
</tr>
<tr>
<td>turn buckle, 242</td>
</tr>
<tr>
<td>maintenance, 43, 412</td>
</tr>
<tr>
<td>release mechanism, 85, 87</td>
</tr>
<tr>
<td>styles of, 85</td>
</tr>
<tr>
<td>to clean, 43</td>
</tr>
<tr>
<td>Special advertising figure mold, 41, 143</td>
</tr>
<tr>
<td>Special supplies catalog, 442</td>
</tr>
<tr>
<td>Special tools and supplies, 441</td>
</tr>
<tr>
<td>Spiral automatics, 258</td>
</tr>
<tr>
<td>maintenance, 263</td>
</tr>
<tr>
<td>Split magazine, 59</td>
</tr>
<tr>
<td>Spring</td>
</tr>
<tr>
<td>keyboard cam yoke, 51</td>
</tr>
<tr>
<td>pot pump lever, 155</td>
</tr>
<tr>
<td>second elevator starting, 242</td>
</tr>
<tr>
<td>vise jaw wedge, 130</td>
</tr>
<tr>
<td>Squirts</td>
</tr>
<tr>
<td>back, causes of, 208-209</td>
</tr>
<tr>
<td>how to remove, 119</td>
</tr>
<tr>
<td>principal causes, 119</td>
</tr>
<tr>
<td>Star wheel, assembler entrance, 12, 81</td>
</tr>
<tr>
<td>friction clutch, 93</td>
</tr>
<tr>
<td>Starting</td>
</tr>
<tr>
<td>and stopping</td>
</tr>
<tr>
<td>manual control of, 281-282</td>
</tr>
<tr>
<td>mechanism, 278-285</td>
</tr>
<tr>
<td>adjustments, 283</td>
</tr>
<tr>
<td>maintenance, 283-285</td>
</tr>
<tr>
<td>pawl, adjustment, 104, 382</td>
</tr>
<tr>
<td>distributor, 267</td>
</tr>
<tr>
<td>lever, adjustment, 382</td>
</tr>
<tr>
<td>mechanism, automatic, 102</td>
</tr>
<tr>
<td>Stick aligning rail and elevator adaptor, All-Purpose Linotype, 461</td>
</tr>
<tr>
<td>Sticks, All-Purpose Linotype, 448</td>
</tr>
<tr>
<td>Stop, first elevator line, 108</td>
</tr>
<tr>
<td>maintenance, 122</td>
</tr>
<tr>
<td>Stopping and starting pawl, adjustment, 104</td>
</tr>
<tr>
<td>Stopping lever, lower, adjustment, 382</td>
</tr>
<tr>
<td>Straight-line escapement, Importance of, 293</td>
</tr>
<tr>
<td>Strip, keyboard cam stop, 47</td>
</tr>
<tr>
<td>Stroke of ejector lever, adjusting, 217</td>
</tr>
<tr>
<td>Stuck slug, removing, 218</td>
</tr>
</tbody>
</table>
Index

Stud block, mold locking, 126
Styles of spacebands, 85
Supplemental keyboard, 440
Supplies and parts, ordering, 442
Supplies and tools, special, 441
Surfacer, slug face, All-Purpose Linotype, 449
adjustment, 471
removing cutter, 472
Switch
automatic Micro-Therm temperature control, 197
fluctuating
dynamic thermometer, 183
mechanical thermometer, 184
magnet or "clapper," 171
humming, 183
Table top, All-Purpose Linotype, 453
Teeth, matrix, 35, 38
care of, 44
Temperature control
gas thermostat, 159-160
Micro-Therm, 160-161, 162
electric
dynamic thermometer, 168
mechanical thermostat, 169
Micro-Therm, 196-206, 210
Testing
control panel, 184
electric metal pot
lamp in series, 178
magneto, 178
for troubles, 178
lock-up, 206
panel box, 184
The Modern Newspaper, 441
Thermo-Blo mold cooler, 440
Thermometer, dynamic, 168
to remove or replace, 193
Thermostat
gas metal pot, 159-160
adjustment, 386
maintenance, 210
mechanical, electric metal pot, 164, 169
maintenance, 211
to remove or replace, 193-194
30-em six-mold disk, molds for, 146
Three phase circuits, connecting pot to, 176
Three-wire direct current circuit, connecting pot to, 176
Throat heater, electric metal pot, 167, 168
and mouth heaters, connected in series, 169
to remove or replace, 193
Tie rod, adjustment, 382
Toggele
level and connecting block, Self-Quadder, 394
lock, Self-Quadder, 399
cleaning or repairing, 401
Tools and supplies, special, 441
Tooth combinations
and lug charts, 271-275
on bar and matrices, 269-275
Transfer
alignment, adjustment, 246
first horizontal, 235
first upward, 234
leaver, adjustment, 247
second horizontal, 244
second upward, 242
Transfer mechanism, 232-249
distributor shifter, 244
maintenance, 249
Transfer mechanism—continued
distributor shifter—continued
slide, 246
maintenance, 249
elevator transfer
and spaceband shifter cam, 238
leaver, 237
first horizontal transfer, 235
mechanism for, 237
first upward transfer, 234
maintenance, 246-249, 417
second elevator, 235, 242
adjusting bolt, 242
bar, adjustment and care, 248-249
bar plate
adjustment, 242
stop pawl, 242
cam lever, 242
safety catch, 244
starting spring, 242
second horizontal transfer, 244
second upward transfer, 245
spaceband lever
pawl, adjustment, 248
turn buckle, 242
strokes of elevator transfers and spaceband levers, 239
transfer alignment, adjustment, 246
transfer lever, adjustment, 247
transfer safety pawl, adjustment, 248
transfer slide, 236, 239
adjustment of travel, 239
finger, setting of, 238
Transfer slide, 236
adjustments, 239, 384
finger, setting of, 238
Transpositions, matrix, 410
causes of, 32-84
Travel of delivery slide, adjustment of, 101-107
Triangle numbers, matrix, 39, 372
Trigger, keyboard cam yoke, 47
Trimming knives
adjusting left- and right-hand, 223-225, 386
sharpening, 225
Trimmer, slug saw, All-Purpose Linotype, 450
maintenance, 472
Troubles and testing, 178
24½-em six-mold disk, molds for, 145
Two-In-One Linotypes, 66-69, 294, 320-342
arrangement of magazines, 325, 327
assembler entrance, 79
Channel Chooser, 321-327
distributor bar and channel entrance
positioning mechanism, 332-342
maintenance, 341-342
keyboard rod lever slide shifting mechanism
Models 8 and 14, 25 and 26, 327-332
Models 29 and 30, 315
Models 25 and 26, 320
Models 29 and 30, 320
Models 31 and 32, 321-327, 332-342
multiple distributor, 320
operating sequences with Channel Chooser, 325
setting the Channel Chooser, 325
single distributor, 320-342, 420
Channel Chooser, 321-327
channel entrance
and distributor safety, 341
to open, 342
to revolve, 342
maintenance, 418, 420
revolving front, 66, 79, 321
Two-Letter
attachment, simple, 26, 43, 114, 116-118
display or head-letter mold, 142
18- and 24-point matrices, 39
4- to 14-point, 38
Two-phase circuit, connecting pot to, 176
Two-wire direct current circuit, connecting pot to, 176

Type
bodies, decimal equivalents of, 443
individual, on the All-Purpose Linotype, 450
face, aligning on slug, All-Purpose Linotype, 470
measurements, table of, 443
sizes, 443

Universal adjustable mold, 21, 41, 140
liners, 140, 143
changing, 140, 141, 143, 146, 151
Universal ejector, 32, 137, 213-218
adjusting stroke of lever, 217
blades, 213
maintenance, 216-218
removing, ejector lever adjustable pawl, 217
removing slide, 216
replacing blades, 217
Universal knife block, 33, 219-225, 440
maintenance, 223-225, 417
Upper (oscillating) assembler entrance, 65, 80
setting, 69
Upper distributor box
Models 25 and 26, 296, 297, 298
Models 29 and 30, 314
Use of incandescent lamps as resistance, 172

Vents, mouthpiece, 159
Verge, escapement, 62
Vertical
alignment, 129
galley, 226
lever, 285
adjustment, 382
slug lever, 226
transfers, 234, 242
Vise, 123-132
and justification, maintenance, 131-132
automatic, 110-114
Vise—continued
automatic—continued
adjusting, 113, 120
All-Purpose Linotype, maintenance, 470
disk dog or plunger, adjustment, 384
maintenance, 415
cap, 123
closing lever, 127
frame, 123-126
jaws, 126, 127, 128
adjustment, 131, 386
and justification, maintenance, 131-132
and vise cap, Self-Quadder, cleaning or repairing, 403
control, Self-Quadder, 394
rod latch, cleaning or repairing, 402
left-hand quick change attachment, 29
left-hand, safety detent, Self-Quadder, Adjustment of, 409
wedge, 129
adjusting, 131
spring, 130
justification bar, 128
locking screws, 123
maintenance, 415

Wall, matrix side, 40
Wedge, vise jaw, 129
Wedge spring, vise jaw, 130
Wedges and dial, aligning, All-Purpose Linotype, 452
Weight, keyboard key, 47
Weights of slugs, 444
Wiper
back mold, 144
care of, 151
front mold, 145
knife, 118
mold, maintenance, 415
pot mouthpiece, 42-em Linotype, 379, 439
maintenence, 416
Wiring diagrams, 174, 184, 186-192, 201, 202, 204
control panel, electric metal pot, 184
definitions, 174-175
Micro-Therm controlled electric metal pot, 199, 200, 201

Yoke, keyboard cam, 47
Yokes and cams, keyboard, cleaning, 53