

cannot be given because of the office of the wire commissioner being closed, the information shall be telephoned at 9 a. m. next morning. After office hours, urgent matters of this nature shall be communicated to the wire commissioner at his home.

536. All official or business messages telephoned in to the fire-alarm office for transmission to officers of the department or other public officials shall be immediately re-telephoned to the person or persons concerned, and operators shall thoroughly familiarize themselves with the regular and usual course of messages of a routine or emergency character, so as to obviate delay or mistake in their transmission.

537. Operators shall strictly observe and carry out the rules in this section, and any which apply to them in other sections, such as Rules 261, 262, 263, etc.

FOREMAN OF CONSTRUCTION.

538. The foreman of construction shall have immediate charge of the construction force and the fire-alarm shop, under the direction of the superintendent of fire alarm.

539. He shall direct and supervise the operations of the construction force, and make daily report to the superintendent of the work done by said force for the preceding twenty-four hours, stating the men absent and on duty, and specifying clearly and fully any features of work involving changes or corrections in records, cards, lists, etc.

540. He shall be responsible for the carrying out of all orders and requirements of the superintendent concerning the maintenance and repair of the fire-alarm system, and shall promptly correct any defects in said system, and make all needed repairs on same or on public clocks.

541. He shall keep accurate record of the acts and doings of the construction force, and such other records as may be required by the superintendent.

REPAIR DIVISION.

542. The repair division shall be under the charge of the superintendent of repairs, and shall perform all work and make all repairs required or necessary for maintaining the apparatus, vehicles, equipment, hose, etc., of the department in good and proper condition; but nothing in this or any succeeding rule shall be construed to apply to matters under the control of the supervisor of motor apparatus.

543. The force employed in the repair division shall consist of machinists, blacksmiths, wheelwrights, harness-makers, clerks, watchmen, etc.

SUPERINTENDENT OF REPAIRS.

544. The superintendent of repairs shall be responsible for the management of the repair shop and shall see that all work under his supervision is properly performed.

545. The superintendent of repairs shall have charge of hose and harnesses, and of all tools, implements, appliances or other property used or kept in his division.

546. He shall make repairs and furnish supplies in accordance with requisitions approved by the commissioner, but not otherwise, except that in case of accident or extreme urgency repairs may be made upon request of an officer, to be covered by regular requisition as soon as possible thereafter.

547. He shall keep account of the labor and materials

expended on each piece of work done under his direction, the cost of same, and to what particular piece of apparatus, etc., applied.

548. He shall keep a record of all hose in the department, designating each piece by number, and specifying its size, kind and maker, when it was purchased and put in service, where located, and when destroyed or condemned.

549. He shall be present at all inspections and tests of hose, engines and other apparatus, etc., including the annual inspections, and shall make tests of fire hose for other municipal departments as directed by the commissioner.

550. He shall be responsible for engine efficiency at fires and shall inform the officer in command of any lack of same, or of any neglect or incompetency on the part of engineers, assistant engineers or drivers of coal wagons, concerning which he shall also make report to the commissioner or prefer charges at his discretion.

551. He shall respond, personally or by representative, to all multiple alarms except second alarms from sections outside of the city proper.

FOREMAN OF HOSE AND HARNESS SHOP.

552. The foreman of hose and harness shop shall have immediate charge of said shop, under the direction of the superintendent of repairs.

VETERINARY SURGEON.

553. The veterinary surgeon shall have charge of the veterinary hospital; shall be responsible for the general care of the horses of the department and the professional

treatment of such of them as are sick or injured, and shall visit each department house from time to time, inspect the horses, see that their feed, grooming, shoeing, exercise and general treatment are of a proper and satisfactory character, and give such instructions as he deems advisable.

554. He shall examine every horse before purchase or hire, and report as to its color, weight, age, height, condition and fitness for service.

555. He shall cause a tag to be placed on the neck of each horse, inscribed with a number which shall be the official designation or name of the horse while in the service — this tag to be removed only when the horse is withdrawn permanently from the service, and to be then returned to headquarters.

556. He shall make daily reports to headquarters, and shall report weekly on sick and injured horses.

557. He shall respond to all multiple alarms except second alarms.

The foregoing Rules and Regulations shall take effect on August 1, 1917, and all rules, regulations and orders inconsistent therewith are hereby rescinded.

JOHN GRADY,
Fire Commissioner.

APPENDIX.

APPENDIX I.

CARE OF FIRE HOSE.

(General Order No. 134, Series 1914.)

The following rules have been adopted for the proper care of fire hose. In the care of hose officers and members will be guided by these rules:

1. If wet or muddy do not allow the hose to remain on the apparatus; remove all mud by brushing and expose hose to air to dry in towers or on racks, preferably at full length. Mud often contains metallic, or other substances, which are chemically injurious to hose if allowed to remain on it.

2. Continued dampness is injurious to cotton fabric hose. If allowed to remain in that state it will cause mildew and will rot.

3. Do not permit hose to remain on apparatus for a length of time greater than ten days, when not in use. It should be removed, hung up in towers or stretched on racks. Avoid short bends in hose that is stored away.

4. When necessary to store hose in folds, the folds should be changed occasionally.

5. Unless hose is likely to encounter a freezing temperature it is not necessary to thoroughly drain the water out, as the rubber lining is not injured by the dampness within. On the contrary it is benefited by remaining in a moist condition. All rubber lined hose should have water passed through it at frequent intervals to moisten the rubber.

6. When hose is frozen it is liable to crack or break, if the fabric is bent or rolled up in that condition.

7. Avoid exposure of hose to very hot, dry air. Do not store it near engine heaters or house boilers, or expose it to the sun's rays. It must be kept in a cool, dry place.

8. On returning from fires care must be taken in washing off the under part of the wagon body. Hand hose must not be used as the lower layer of hose on wagon is liable to get wet, which will cause mildew and damage to hose. Care should be taken to see that no damp hose is carried on the hose wagon.

9. When charging or discharging chemical engines or extinguishers, see that the solutions used do not come in contact with the hose.

10. Acids and other chemicals, oils, iron rust and fumes arising from some processes are injurious to hose and contact with them is to be avoided.

11. When fire hose is being used, see that the section nearest to engine or hydrant is not being chafed at point of contact with the ground by vibration.

APPENDIX II.

INSTRUCTIONS TO CHIEFS' DRIVERS ACTING AS TELEGRAPHERS.

1. In these instructions the word "office" shall mean the fire-alarm office.

2. Upon arriving at the box, report at once to the office by a series of taps, followed by signature.

3. If the operator answers "I I" or "O K," report box number at once, thus, "At box ——" (adding the

number of box which is being operated). The operator will answer "O K," but if instead he signals "Wait," answer with "I I" and wait until called by him.

4. Answer "O K" to messages received from the operator and clearly understood.

5. If directed to test a box, write "S I T N" and receive "Yes" before pulling hook.

6. Write the "all-out" signal thus: "Send all-out box ——" (adding box number).

7. If obliged to remain at the box after signalling for the "all-out," write "Waiting," and upon finally leaving the box *after so writing* notify the office by writing "Going."

8. If notified of other alarms by the operator, repeat the message, and if correct he will answer "Yes," whereupon such other alarms shall be communicated at once to the officer in command.

9. If armature of reading magnet fails to operate, write "Tap," and then endeavor, by adjustment of armature, to perfect communication. Failing in this after reasonable effort, proceed to the nearest other box (or telephone, if need be) and report in the usual manner.

10. When either the telegrapher or the operator does not clearly receive or understand a message, he will write "R R" (repeat), whereupon the message will be repeated.

11. All messages shall be preceded by a series of taps and followed by the signature of the sender.

12. Never break in on a circuit which is being operated, and never answer a call intended for another telegrapher, as indicated by the signature.

13. Never leave the box or telephone, as the case may be, until duly relieved, unless some imperative necessity demands it, as the delivery of an important message to a superior in the absence of any other telegrapher or other responsible person who might be used as messenger. If

leaving the box temporarily be unavoidable, notify the office of your leaving and make all haste back, and then immediately report your return, to the office, in the usual manner.

14. If for any reason, as, for instance, to obtain better or easier communication, or to avoid the onrush of fire, you abandon one box for another, or for a telephone, the officer in command and the office must be notified of the fact at once. No such abandonment shall take place, however, without the knowledge and consent of the officer in command unless it be impossible or impracticable to get in touch with him.

15. Accept no verbal message from any person unknown to you until he has fully identified himself by name, rank or grade, etc.

16. In damp or stormy weather take every precaution to protect the inside mechanism of the box from wet or moisture, and if a box be found out of order report the fact at once to the office.

17. After reporting to the office from a succession box, wind the box, and on return to quarters report such winding to headquarters on the card provided therefor.

18. When one telegrapher replaces another at the box he shall at once report the fact to the office.

APPENDIX III.

INSTRUCTIONS OF BOSTON ELEVATED RAILWAY COMPANY TO EMERGENCY CREWS.

The head lineman having charge of the crew responding to a fire alarm in any one of the cities or towns in which their district may be located, upon his arrival, will immedi-

ately notify the fire marshal, or other officer properly in charge, of his presence and the point where his crew is stationed, and besides making the care and protection of the company's property his first duty he will give whatever assistance he can under the orders of the aforementioned official.

When requested by a representative of the fire department to cut power off of the third rail, communicate the request through the train dispatcher to the power station, and when notified by the train dispatcher that power has been cut off, after making sure by testing that same has been cut off, notify the representative of the fire department of the fact. When notified by the fire department that power may again be turned on, notify the power station through the train dispatcher and when notified by train dispatcher that power has been turned on notify the representative of the fire department of the fact.

The foregoing instructions, somewhat modified and extended, were later embodied in an agreement between the fire commissioner and the railway company, as follows:

A request from the fire department to any member of the company's emergency crew, which responds to all fire calls in the vicinity of tracks or wires, or other uniformed employee, or after midnight to a station porter, shall receive immediate attention, the employee receiving such request notifying the train dispatcher, and the latter arranging to have the power cut off and the affected section protected to prevent a train from bridging over onto the dead section.

When assured that power has been cut off, the fire department representative who made request will be notified by the employee of whom he made the request.

The same employee of the company should be notified by the fire department at the earliest possible time when the power may again be turned on.

Firemen are warned not to get on to the elevated structure or tracks, or place obstructions thereon, until properly assured that the third rail has been killed.

If no employee of the company is at hand, upon whom to make request for killing the third rail, the train dispatcher of rapid transit lines, office at Sullivan square, telephone Charlestown 1000, should be immediately called, and he will attend to having power cut off on third rail, and dispatching a competent employee to the scene, the said employee to notify fire department when rail is dead.

APPENDIX IV.

CONCERNING BUILDING INSPECTIONS.

In making inspection of a building, particular attention shall be paid to the following:

Violation of Law, Etc.— Are any safeguards omitted, or do any conditions exist, contrary to law or ordinance, the rules and orders of the fire prevention commissioner, or any lawful rule, regulation or order?

Permit or License.— If permit issued or license granted, is there any violation of the conditions of either?

Construction and Arrangement.— Are there any features of construction or arrangement which would impede the operations or reduce the efficiency of the department, or become dangerous to life or limb in case of fire?

Safety of Egress.— Are the means of exit provided sufficient and safe under conditions of maximum attendance and sudden excitement or panic?

Are passageways, stairways, halls, fire-escapes or other means of exit kept clear of merchandise, or other articles or material, that might prevent or obstruct free egress?

Are aisles and stairways in theatres and places of public amusement or assemblage kept clear?

*Heating Apparatus and Appurtenances.**—Are these safe as to condition and location, especially with reference to woodwork in their vicinity?

Is there metal protection on the floor under stove or range?

Fire Extinguishing Appliances.—Is there adequate provision for disposing of incipient fires, such as water pails or buckets, portable fire extinguishing devices, fire hose, etc., and are these of approved pattern, in effective condition, and conveniently located?

Sprinkler Protection.—If so ordered by the fire prevention commissioner, is the building equipped with automatic sprinklers? Should it be so equipped?

Is there steamer connection, and are the necessary shut-off valves and sprinkler appurtenances provided?

Electric Arrangement.—Are any ignitable substances in contact with, or in dangerous proximity to, electric wiring or apparatus?

Access to Cellar.—What provision for? By window, trap, stairs, elevator well or otherwise?

Roofs and Skylights.—Is access to roof suitably provided for, preferably by fixed iron ladder instead of movable wooden ladder?

Is roof covering fire-resistant or liable to be readily set on fire?

Is skylight intact and safe, and are proper safeguards placed and maintained about or over it?

* These include stoves, furnaces, heaters, boilers, radiators, steam pipes, smoke pipes, open forges, etc.

Roof Signs and Advertising Devices.—Are these so constructed or situated that they would interfere in any way with the work of the department?

Exposure Risks.—In what respects, if any, does the building, or the windows or openings in same, expose other buildings?

Are the windows furnished with fire shutters, or should they be so furnished?

Is the window glass broken?

Should any window or other opening be closed up solid with noncombustible material?

Receptacles for Ashes, Cinders and Rubbish.—Are they of metal and provided with metal covers?

*Combustible Rubbish or Waste Material.**—Is such allowed to accumulate to a dangerous extent or in dangerous places?

Doors.—Are they of outward swing where so required by law?

Are they so locked, bolted or fastened during hours of labor as to prevent free egress of employees?

Are the locks in good condition and easily unlocked?

Chimney Flues and Vent Pipes.—Do they need cleaning?

Floor Area.—Is any one section of floor area so extensive that fire walls or fire-stop partitions, with suitable fire doors, should be installed?

Hazardous Business.† Are the places in which such

* Such as rags, refuse, sweepings, packing material, cardboard, excelsior, shavings, waste paper, oily waste, dust, debris, etc.

† A business shall be considered hazardous when the goods or materials mainly carried or used are readily combustible, or inflammable, or explosive; as, for instance, wooden goods or material, rattan or cane goods or articles, excelsior, oakum, paper or paper stock, cardboard, rags, feathers, cotton or linen, hay, straw, grease, soap, varnish, paint, oils, acids or chemicals, fireworks and fire-crackers, petroleum, gasoline, kerosene, benzine, naphtha, or other inflammable or explosive fluids or compounds, etc.

business is carried on conducted and maintained in strict conformity with the rules and orders of the fire prevention commissioner?

Is any such business conducted without permit in any part of a building used for habitation, or within fifty feet of any such building?

Are chemicals, explosives or inflammable fluids or compounds kept or stored in places or quantities forbidden by law or by the regulations of the fire prevention commissioner?

Are safety cans provided for paints, oils, oily waste, etc.?

Theatres.— Are the fire regulations posted therein strictly complied with?

Is scenery kept away from steam pipes, fire appliances, exits and fly doors?

Garages.— Are they conducted and maintained in accordance with the rules and regulations of the fire prevention commissioner?

Sheds.— What type of doors and how fastened? Should floor areas be cut by fire walls?

Railroad Yards.— Is the water supply ample, and are the mains of sufficient size?

Are there enough hydrants, and are they located at convenient points?

Is there any lack of driveways in case of fire?

Inspecting officers and members shall take every opportunity to impress upon owners and occupants concerned the importance of the following, and particularly where any laxity is observed:

That fire buckets and water pails or water barrels be kept filled with water at all times.

That articles be not hung on fire appliances or on gas or electric fixtures.

That fire shutters be properly closed at night.

That curtains, draperies, etc., be kept away from gas jets.

That matches be used with care, and that children be not allowed to use or handle them.

That conditions liable to cause spontaneous combustion be removed.

That current should never be left turned on to electric irons, toasters, plate-warmers or similar electric devices when these are not in use or while they are temporarily without attendance.

That all Christmas lights, on Christmas trees or elsewhere, be extinguished before retiring.

That "no smoking" regulations be rigidly enforced.

It should also be recommended that portable electric lights be used instead of oil lamps or lanterns in places where material apt to catch fire is kept or stored in considerable quantity.

Always make it a point to inform owners or occupants of the number and location of the nearest fire-alarm box.

INDEX.

INDEX.

Users of the index should carefully note the following:

The rules cited opposite "district chief," "company commander," or other grade designation are those contained in the section allotted to such grade, and the sub-references immediately following cover rules which apply to the grade in other sections. Both sets do not, however, include all the rules pertaining to a grade, for, apart from possible omissions in assembling, it is obvious that the "General Rules" and rules of more or less general character (such as those pertaining to absence, supplies, uniforms, etc.) could not well be listed under each individual grade to which they apply. Also, rules applying to two or more grades of officers are indexed under "Officers," and should be there looked for by the individual officer. In this connection, it will be noted that many rules in earlier sections apply to the branch services.

The grouping of rules by grades, so far as practicable, should be of considerable assistance in following up the rules pertaining to any particular grade.

Each rule is indexed on the basis of specific subject-matter, and should be looked up preferably on that basis. The rule on roll-call, for instance, should not be looked for under "company commander," though in that section, but under "Roll-call" itself. And so with other rules in that or other sections. In this connection, however, it will be well to bear in mind that rules requiring the making of *reports* or *inspections*, or the giving of *notifications* or *information*, are assembled under these respective heads, and should be looked for there if not otherwise readily found.

Only the more important "Prohibitions" are listed under that head. The sub-references are worded only sufficiently to suggest or connect with the corresponding rules, without being abstracts thereof.

To facilitate reference, cross-indexing has been liberally employed.

The alphabetically-arranged "Incidental References" following the index will, doubtless, also prove useful.

The dash (-) between numbers signifies that intermediate numbers are included; thus "114-117" is equivalent to "114, 115, 116, 117."

A

	RULE
Absence.....	378-418
cause of discharge.....	417
from post of duty.....	146, 152, 210, 529
to be covered by leave.....	386

	RULE
Absence:	
on unofficial advice	402
without leave	374, 386, 402, 417
(see <i>Leave of absence</i> .)	
Accident (see <i>Notifications, Reports, Safety provisions</i>).	
Acting officers	111, 314, 378-382
Acting district chief (see <i>Acting officers</i>).	
Acts of merit	22, 327-330
Addresses	349
Advertisements, etc.	82
Agreement	301
Aide	114-117
Alarms	247-266
count, announcement	147, 374
gong cut out	150
how given	247
multiple	249, 250, 254-256, 264
officers notified of	160, 533, 534
reported daily	504
struck out on receipt	524
still	181, 259
vigilance for	146, 523
wrong striking	151, 265
(see <i>Response to alarms</i> .)	
All-out	241
Animals	100
Annual report	30, 31, 453, 454
Apparatus, manning of	37, 71
upkeep, outfit	75
misdirecting	374
riding on	342
member to precede	134
repairs, maintenance	542, 546
condition	70, 128, 354
withdrawal	43, 70, 341
leaving quarters	96, 179-181, 251
sounding signals	185
greasing	165
breakdown	186
remain near	209
help propel	190
passing other apparatus	189

	RULE
Apparatus:	
leaving city	266
dismount from	193
tests	26, 31, 112, 549
speed (see <i>Speed</i>).	
at fire (see <i>Fire</i>).	
going to fire (see <i>Fire</i>).	
(see <i>Motor apparatus</i> .)	
Apparatus floor	82, 83, 145, 156
Appointment, permanent	302
original	299, 300
agreement on	301
Assessment	359
Assignment cards, changes	65
consulted	178
returned	94
in charge of	116
Assignment of wages	373
Assistance (see <i>Out of town, Cooperation</i>).	
"Assistant" (see <i>Officers</i>).	
Assistant engineer	123, 381, 550
Assistant superintendent and chief operator	381, 518-520
Automatic sprinklers	293
Automobile	111, 112, 115, 139, 143, 343
B	
Badge	353, 439-441
Ball	63, 415
Bar room	371
Beds	82, 246
Benefit Associations	358, 359, 383, 418
Bills	418, 506
Blacksmith	165
Board of Merit	22, 327
Bonfire	49
Books (see <i>Company books, Records</i>).	
Boston Firemen's Relief Association	358, 359
Boston Protective Department	333, 342
Boxes, location	129, 149, 528
doors	103
operating	144
out of order	103, 354, 458

	RULE
Boxes:	
test.....	516
Branch services.....	500-557
term includes.....	7
rules governing include.....	500
concerning orders and requirements of chief of department..	502
special arrangements.....	503
supplies.....	505-507
working hours.....	509
pay rolls.....	508
(see <i>Heads of branch services.</i>)	
Building inspection.....	280-295
arrangements and supervision.....	46, 280
made by.....	281-283
manner of making.....	281, 289, 295
instructions.....	46, 295
recommendations.....	292-294
card record of.....	47
in each district and subdistrict.....	280, 284
where small risk.....	286
where people employed.....	288
waterfront.....	285
theatres.....	287, 441
schoolhouses.....	68, 287
department stores, office buildings.....	288
dwelling houses.....	283, 289
other specified buildings.....	287, 288
Burnt material.....	121
Business, transacted through.....	312
information not given.....	346
with outside parties.....	507
automobiles, etc., used only for.....	343, 489
Buttons.....	439, 442

C

Call, awakening.....	85, 152, 153
for officers.....	84, 154
morning.....	85
Captain (see <i>Company commander</i>).	
Card playing.....	83
Certificates, appointment.....	302
driving.....	267

	RULE
Certificates:	
physician.....	398
weigher.....	473
furnished.....	17, 302, 331
Changes in rules, etc.....	369
Charges, heard by commissioner.....	480
answered in person.....	484
copy furnished.....	485
counsel allowed.....	485
formulation.....	488
inefficiency.....	311
for service reasons only.....	483
against superiors.....	325
extenuating circumstances.....	486
resigning under.....	307
specifically called for.....	297, 320, 376, 482
Chief clerk.....	13-22
Chief of department.....	23-26
may suspend.....	376
regulates responses, etc.....	248
members report to.....	399
as to apparatus.....	266, 341
orders and requirements of.....	112, 502
(see also Rules 12, 453, 458, 530.)	
Chiefs' drivers (see <i>Driver</i>).	
Children.....	99
Circuits.....	525-528, 534
Cities, outside (see <i>Out of town</i>).	
Cleanliness.....	38, 82, 83, 335, 439
Clocks.....	104, 513, 540
Clothing at fire.....	239
Coal at fire.....	215-218
Coal depot.....	28, 29, 38
Coal wagon.....	29, 38, 201, 214-219
Coaling assignments.....	220
Collision.....	40, 135, 185, 354
Command at fire.....	170-174, 194
Communications, signed.....	443
in writing.....	308
Company, designation of.....	8
properly officered.....	37
strength.....	45, 71

	RULE
Company:	
returning.....	240, 264
relieved.....	240
roll call.....	60, 425
command.....	57, 381, 382
<i>(see Apparatus.)</i>	
Company books.....	162-168
Company commander.....	57-111
ride near driver.....	192
regulate speed.....	184
act as district chief.....	380
arrange days off.....	62, 415
prevent skidding.....	191
enter in journal.....	65, 422
report on men on probation.....	487
reannounce box number.....	147
books kept by.....	162
forward relief fund blank.....	418
consult assignment card.....	178
give word "Go".....	179
supervise subdistrict.....	35
members report to.....	106, 399, 413
<i>(see Fire stations, Company.)</i>	
Company journal, entries in.....	65, 155, 158, 163-165, 422
in charge of.....	145
Compensation.....	363
Competency, etc.....	275, 360, 361
Conduct, disorderly, mischievous.....	83
unbecoming.....	367
prejudicial to good order.....	320, 374
<i>(see Offences, Prohibitions.)</i>	
Conferences.....	12
Construction force.....	510, 511, 538, 539, 541
Contracts.....	16, 344
Contributions.....	362, 364, 369
Coöperation.....	204, 248, 319, 332, 333
Correspondence.....	471
Counsel.....	485
Covering.....	178, 240, 246, 254, 256, 264
D	
Days off, arrangements for.....	25, 47, 62, 415
allowed.....	383

	RULE
Days off:	
begin.....	414
changed.....	63
exchanged.....	411
postponed, made up.....	383
ball.....	415
acting district chief.....	111
in vacation time, etc.....	411, 412
members report on.....	413
Debts.....	373
Definitions.....	1-6
"fire duty".....	169
"multiple alarm".....	249
"service record".....	16
offence, what constitutes.....	481
<i>(see Terms.)</i>	
Department, houses.....	335
comprises.....	7
Deputy chief.....	27-32
in charge of division.....	11
response to alarms.....	260
act as chief.....	378
vacation, days off.....	25, 414
<i>(see also Rules 12, 282, 530.)</i>	
Detailed members.....	45, 46, 63, 106, 107, 430
Differences, disputes.....	320
Discharge.....	375, 417, 481
Dislikes.....	319
Disrespect.....	374
District <i>(see Fire district.)</i>	
District chief.....	33-50
investigate.....	40, 244
notify police.....	44, 244
as to uniform.....	47, 420, 424, 436
response to alarm.....	260
special alarm schedule.....	258
instructions to, in emergency.....	260
authorize short leave.....	384
act as deputy chief.....	379
vacation, days off.....	25, 414
vacation lists, etc.....	408, 409
may relieve.....	385
<i>(see also Rules 12, 59, 531-534.)</i>	

	RULE
District headquarters.....	3, 454
Division headquarters.....	3, 454
Divisions.....	11
Donation.....	364
Dormitory.....	82, 83
Drill, call for.....	153
company.....	46, 67
fire.....	46, 48
Drillmaster.....	275, 278
Drill school (see <i>Schools</i>).	
Drivers.....	125-144
going to fire.....	182, 184, 186-189
at fire.....	194, 196, 205-208, 214-220, 230
for chiefs.....	141-144, 194, 258
coal wagon.....	214-220, 550
certificate.....	267
alternated.....	269
(see <i>Apparatus, Horses, Speed, Safety provisions</i> .)	
Drugs.....	372

E

Electricity.....	92, 233-236, 535
Elevated railway.....	236
Elevator.....	235
Emergency provisions.....	260, 263, 318, 458, 546
Engineer, engine.....	118-122, 124, 550
(see <i>Apparatus</i> .)	
Equipment.....	43, 70, 75, 354, 542
Examination.....	52, 63, 396
Explosives.....	47

F

Favoritism.....	321
Fire, route to.....	129, 130, 182
going to.....	182-192
return from.....	240, 243, 264
apparatus at.....	194, 196, 197, 199, 200-204, 207-209, 213
warning signals.....	185
investigated.....	40, 244
command at.....	170-174, 194
preliminary work.....	183, 193

	RULE
Fire:	
duty on arrival.....	194
in open air.....	351
guard at.....	242
water play.....	211
rekindling.....	242
railroad.....	236, 237
charcoal.....	40
theatre.....	40
due to carelessness.....	40
alarm (see <i>Alarms</i>).	
safety at (see <i>Safety provisions</i>).	
Fire-alarm branch.....	510, 511
shop.....	538
system.....	512, 513, 540
instruments, circuits.....	525-528, 534
watch (see <i>Watch</i>).	
Fireboat.....	108-110, 206
Fire district, command.....	34
boundaries.....	454
number.....	11
manning.....	32, 45
not leave.....	36
subdistricted.....	35
Fire duty.....	169-246
Fire force, head.....	23
command.....	23, 27, 34
organization.....	8
officers.....	9
(see <i>Company, Officer in command</i> .)	
Fire-hat.....	111, 231, 353
Fire prevention (see <i>Building inspection</i> , also Rule 50).	
Fire station; responsibility for.....	58, 310
order, cleanliness, etc.....	82, 121, 335
electrical work, etc., in.....	73, 344, 515
excluded from.....	98-100
offences in.....	83
objectionable conditions.....	80, 459
First aid.....	55, 354
Floor.....	82, 83, 177
Foreman of construction.....	538-541
Foreman of hose and harness shop.....	552

G

	RULE
Gambling, games.....	83
Gasoline.....	68, 272
Gates and valves.....	197, 198
General orders, indexing.....	15
distribution.....	21
promulgation.....	23
read.....	60
posted.....	84
file.....	88
noted in company journal.....	65
General rules.....	296-377
Gifts.....	362
Gong (see <i>Alarms</i>).....	
Grade crossings.....	133, 134, 136, 185

H

Hay, grain, etc. (see <i>Supplies</i> , also Rule 74).....	83
Hazing.....	501-509
Heads of branch services.....	7
include.....	10
titles.....	376
may suspend.....	385
may relieve.....	424
keep record of uniform cloth.....	194
report to officer in command.....	312
business transacted through.....	384
authorize short leaves.....	407
arrange vacations.....	
(see <i>Branch services</i> , also <i>Superintendent of fire alarm</i> , etc.)	
Hitch.....	148, 178
Horses, care of.....	37, 126, 127, 553
pole trained.....	102
in readiness.....	126
exercise.....	76, 101, 126
hitching.....	148, 178
unhitched.....	196
blanketed, sheltered.....	194
sick or injured.....	74, 128, 354, 553
abuse of.....	340

RULE

Horses:	
oats allowance.....	127
examination.....	554
tagged.....	555
directions of veterinary surgeon.....	340
Hose, care of.....	89, 214
laying.....	203, 212, 221-223
burst.....	227, 245
injured, frozen, etc.....	214, 229
left at fire.....	228
loss of.....	228, 352
driving over.....	230
testing.....	26, 31, 67, 549
sent to shop.....	79
jacket.....	224
hoist.....	225
wagon.....	193, 226
repairs.....	79, 542
Hospital.....	185, 287, 400, 457
veterinary.....	553
Hours, office and working.....	13, 51, 509
House patrol.....	145-161
arrangement for.....	62
continuous.....	87, 246
by authorized member.....	161
uniform.....	425, 426, 431, 432, 435
entries by.....	158, 163
reporting to.....	105, 106, 145
House work.....	64, 86
Hydrant, condition.....	70, 120, 354, 458
connecting.....	194, 197, 198
salting.....	76
operating.....	343
establishment, etc.....	47
signs.....	76, 77
I	
Impartial treatment.....	64, 321
Incompetency, inefficiency.....	311, 550
Indexing.....	15, 464
Indorsement.....	447, 448
Influence.....	370

	RULE
Information, not given.....	346
promptly given.....	357, 458, 468, 536
for relief.....	170, 522
<i>Concerning</i>	
telephone numbers.....	497
addresses.....	349
breakdown of apparatus.....	186
whereabouts of drivers.....	205
matters of urgency.....	356
violation of rules.....	152, 156, 522
defects, fire alarm.....	526
(see <i>Notifications</i> .)	
Insolence.....	374
Inspections, annual.....	26, 30, 31
apparatus and equipment.....	26, 31, 138, 549
books and papers.....	29, 37
boxes.....	103
company.....	24, 29, 30
coal depots.....	29, 38
fire stations.....	24, 29, 37
harnesses.....	29
horses.....	29, 553, 554
hose.....	26, 31, 549
hydrants.....	76
medicine chests.....	56
quarterly.....	29
signs.....	47, 76
supplies.....	474
telephones.....	498
uniforms.....	29, 47, 420, 421
<i>By</i>	
chief of department.....	24
deputy chief.....	29, 30, 31, 282
district chief.....	47, 280, 281, 284, 293, 420
company officers.....	281, 284, 285
medical examiner.....	56
superintendent of repairs.....	549
veterinary surgeon.....	553, 554
driver.....	138
members.....	76, 103, 283

Inspections:	RULE
supply department.....	474
New England Telephone and Telegraph Company.....	498
(see <i>Building inspection, Tests</i> .)	
Interference.....	313
Intoxication.....	374
Investigation.....	40, 244, 347
J	
"John E. Fitzgerald" medal (see <i>Medal</i>).	
June 17, July 4.....	258
L	
Ladder, laddermen.....	183, 193, 194, 199, 200, 203
(see <i>Apparatus</i> .)	
Lamps.....	92, 95, 515
Language.....	83, 374
Laundry.....	91
Laws.....	18, 369
Leave of absence, as to pay.....	387
leave privileges, fire force.....	383
short leaves.....	384
in case of death.....	388
concerning applications.....	385, 386, 389-395, 443, 463
wearing of uniform.....	427, 428
(see <i>Absence, Sick or injured members, Acting officers</i> .)	
Licenses.....	16, 21, 42
Lieutenant, at fires.....	212
as acting captain, etc.....	381
Light duty.....	404, 405
Lights, defective.....	73
portable.....	95
extinguish.....	96, 336
waste of.....	336
cost of.....	514
Liquor.....	372
Loss of life.....	40, 354, 458
Loss or damage.....	40, 228, 336, 352-354
Lost or found.....	352, 353
M	
Meal hours.....	62, 63, 84, 383, 509
Medal.....	16, 327, 328, 454

	RULE
Medical examiner.....	51-56
may relieve.....	385
directions followed.....	397
may require certificates.....	398
members report to.....	396, 399
Medicine chest.....	56
Members, may petition.....	369
may verbally request.....	370
may solicit recommendation.....	183, 193
going to fire.....	83
sleeping, not disturbed.....	85, 152, 153
awakened.....	146, 152, 210, 529
at post of duty.....	301
subject to penalties.....	52, 396
physical examination.....	349
residence.....	275, 360, 361
qualifications, etc.....	375
not retained if unfit.....	377
perform other duties.....	301
to abide by rules.....	303, 345
knowledge of rules.....	(see <i>Rules</i>).
rules for benefit of (see <i>Rules</i>).....	145, 508, 523
report punctually.....	177
report on floor.....	276
report at school.....	
<i>Report to</i>	
chief of department.....	399
medical examiner.....	396, 399
company commander.....	106, 399, 413
patrol.....	105, 106, 145
(See <i>Sick or injured members, Detailed members, Prohibitions,</i> <i>also Rules 175, 213, 214, 297, 310.</i>)	
Meridian blow.....	524
Morning call.....	85
Morse gun.....	226
Motor apparatus.....	267-273
certificate for driving.....	267
instructions followed.....	268
gasoline used.....	272
drivers alternated.....	269
motor.....	194, 270

	RULE
Motor apparatus:	
hood and radiator.....	271
tire.....	273
testing.....	26, 31, 112
(see <i>Apparatus</i> .)	

N

Nagging.....	324
Names in reports.....	450, 454
Neglect of duty.....	109, 212, 374, 550
New England Telephone and Telegraph Company.....	498
"No school".....	93
Notices, etc., posted at patrol desk.....	84
Notifications, promptly given.....	357

Concerning

apparatus, equipment, etc.	43, 70, 71, 128, 138, 341, 352, 354, 532
accident, sickness, injury, etc.	44, 70, 72, 354, 355 385, 400, 403, 457
boxes.....	103, 354
coal.....	215, 218
charges.....	485
defective work.....	73
discharge from hospital.....	400
feed.....	74
first aid.....	354
fires.....	181, 242, 244, 351, 535
gong or tapper.....	151, 265
horses.....	74, 128, 354
hydrants.....	70, 120, 354
hose.....	71, 72, 229, 352
loss or damage.....	352-354
lighting outfit.....	73
loss of life.....	354, 458
matters of public interest.....	350
movements.....	181, 530-533
neglect, etc., at fire.....	550
supplies.....	474
street conditions.....	44, 350
uniforms.....	71

To

police.....	44, 244
railway, railroad.....	236, 237

Notifications:	RULE
relief.....	152
supply department.....	474
visiting officers.....	154, 160
wire department.....	535
<i>From</i>	
driver.....	128, 138
company commander.....	70-74, 103, 181, 350
patrol.....	152, 154, 156, 160
district chief.....	43, 44, 244, 385
engineer.....	120, 215, 218
members.....	242, 350-355, 400, 403, 474
medical examiner.....	385
heads of branch services.....	385
operators.....	400, 522, 526, 530-535
superintendent of repairs.....	550
O	
Oats.....	127, 474
Obedience (see <i>Orders</i>).	
Offences, specific.....	83, 146, 359, 374, 417, 467, 529
what constitutes.....	481
(see <i>Conduct, Prohibitions</i> .)	
Office hours.....	13, 51
Officer in command, who shall be.....	170-174, 194
orders obeyed.....	141, 175
officers report to.....	194
relieves companies.....	240
orders "all-out".....	241
may suspend.....	376
railroad fires.....	236, 237
stationed.....	195
Officers, fire force.....	9
in charge of branch services, etc.....	10
titles.....	9, 10, 315
how addressed.....	315
whose title begins with "Assistant".....	381
emergency authority.....	318
in immediate charge.....	310
calls for.....	84, 154
consider suggestions.....	368

Officers:	RULE
indorse reports.....	447
supervise work.....	311
instruct men.....	55, 311
may sign applications.....	395
responsible for accuracy of reports.....	463
withhold approval of papers.....	463
non-interference.....	313
relations with subordinates.....	317
use of telephones.....	490, 491
furnish telephone numbers.....	497
report to fire-alarm office.....	243
notified of alarms.....	160, 533
knowledge of rules.....	303, 345
permit no violation of rules.....	309
enforce rules (see <i>Rules</i>).	
visits to quarters (see <i>Visits</i>).	
recommendations by (see <i>Recommendations</i>).	
school (see <i>Schools</i>).	
acting (see <i>Acting officers</i>).	
(see <i>Officer in command, Safety provisions</i>).	
Official matters in writing.....	308
Operators.....	521-537
tours of duty.....	518
(see <i>Alarms, Telephones</i> , also Rules 144, 181, 194, 243, 361, 400, 502.)	
Oppression.....	324, 325
Orders, transmittal.....	312
forbidden.....	298, 324
obedience to.....	175, 213, 214, 297
" " (see also Rules 59, 112, 141, 152, 268, 310, 377, 381, 397, 502, 522, 540).	
Ordinances.....	13, 19, 334, 369
Organization.....	7-11
Out of town.....	248, 266
P	
Patrol (see <i>House patrol</i>).	
Patrol desk.....	84, 159
Pay-rolls.....	15, 78, 508
Penalty.....	301, 359, 481
Permit.....	16, 20, 42, 49

	RULE
Persecution.....	324, 325
Personal, dislike.....	319
service.....	322
Petition.....	369
Physician, outside.....	402
Police.....	44, 244
Politics.....	83, 323, 366
Presents.....	362
Principal operator.....	521, 522
Probationer.....	276, 300, 302
Probation, placed on.....	487
Prohibitions concerning:	
admission to quarters.....	98-100
absence from post of duty.....	146, 152, 210, 529
absence on unofficial advice.....	402
sleeping on watch.....	146, 529
patrol duty.....	146, 152, 161
passing other apparatus.....	189
interference.....	313
treatment of members.....	322-324
assignment to duty.....	360, 361
gifts, compensation, etc.....	362-364
ticket selling, etc.....	365
religion, politics.....	83, 323, 366
changes in rules, etc.....	369
city ordinances.....	334
contributions.....	362, 364, 369
influence.....	370
bar room.....	371
liquors, drugs.....	372, 374
wages.....	373
wearing of uniforms.....	420, 428, 429
receipting for goods.....	477
elevated railway.....	236
lamps and electric installations.....	92
(see <i>Offences, Conduct</i> .)	
Promotion.....	17, 299, 303, 370
Property:	
care, custody, responsibility for.....	14, 58, 206, 310, 337
return of.....	512, 514, 542, 545
return of.....	90, 337, 339

	RULE
Property:	
loss or damage.....	40, 228, 336, 352-354
sale or loan.....	338
only for department business.....	343, 489
meddling with.....	83
record of (see <i>Records</i>).	
(see <i>Supplies</i> .)	
Public buildings.....	287
Public departments, report to.....	19
coöperation with.....	333
rules of.....	50, 334
messages for.....	536
hose tests for.....	549
(see also Rules 44, 244, 474, 535.)	
Punctuality.....	145, 508, 523
Q	
Qualifications (see <i>Competency</i>).	
Quarters (see <i>Fire stations</i>).	
Quick hitch.....	432
R	
Racing.....	137
Railroad, track.....	136
fire.....	236, 237
transportation.....	266
elevated.....	236
Rank.....	9, 314
Receipt.....	477
Recognition (see <i>Acts of merit</i>).	
Recommendations, of superiors.....	277, 370
as to buildings.....	292-294
as to hydrants.....	47
for admission to school.....	277
for senior man.....	81
Records, chief clerk.....	14-16
branch services.....	507
fire-alarm branch.....	519, 527, 541
superintendent of repairs.....	547, 548
medical examiner.....	52
fires.....	16
hose.....	79, 166, 548

Records:	RULE
uniforms.....	422, 424
washing, shoeing.....	168
tires.....	273
supplies or property.....	16, 166-168, 507, 514, 547
examinations, physical.....	52
concerning employees.....	16, 507
service.....	16, 303, 375
indexed.....	464
complete, accurate.....	464
in detail.....	465
card or list.....	47, 273, 466
falsification.....	467
mutilation, destruction.....	467
duplication.....	470
mistakes in.....	466
reasons given in.....	469
(see <i>Company journal</i> .)	
Rekindling.....	242
Relief from duty.....	107, 145, 152, 161, 170, 240, 385, 522
Relief fund.....	418
Religion.....	83, 323
Repair division.....	542, 543
Repair shop.....	544
Reports, annual.....	30, 31, 453, 454
accuracy of.....	463
as circumstances require.....	461
approval of.....	463
forwarding.....	19, 22, 357, 445, 446, 449, 458, 460
from department schools.....	275, 278
immediate.....	356, 458
indorsement.....	447, 448
incomplete.....	449
information for.....	468
made on forms.....	444, 455
"morning".....	66
names in.....	450, 454
not delayed.....	357, 446
recommendations in.....	462
signed.....	443
to contain.....	451, 456, 457
telephoned in advance.....	458

Reports:	RULE
to mayor and public departments.....	19
when to make.....	245, 452, 458, 460, 461, 487
<i>Concerning</i>	
addresses.....	349
accident, sickness, injury.....	40, 70, 356, 385, 457, 458
acts of merit.....	22, 327, 329
alarms received.....	504
apparatus and equipment.....	22, 31, 70, 122, 140, 352, 356, 458
building inspection.....	39, 67, 68, 286, 290, 291, 294
boxes.....	356, 458
contract work.....	344
coal depots.....	29
counting alarm.....	147
companies and fire stations.....	29, 30, 68
drill.....	48, 67
days off.....	68
defects in fire-alarm system.....	513
fire.....	40, 147, 245, 458
first aid.....	356
fire peril.....	458
gasoline.....	68, 272
hydrants.....	68, 70, 356, 458
horseshoeing.....	68
horses.....	29, 69, 356, 554, 556
hose.....	22, 31, 69, 228, 245, 352
harnesses.....	29
loss or damage.....	352, 356
loss of life.....	40, 356, 458
licenses.....	40, 41
men on probation.....	487
meter readings.....	68
medicine chests.....	56
neglect, etc., at fire.....	550
probationers.....	68
permits.....	40, 41
pay-rolls.....	78
return to duty.....	416
sanitary conditions.....	68
serious occurrence.....	458
supplies rejected.....	476

Reports:	RULE
uniforms	29, 39
unsafe conditions, etc.	459
vacations	68, 408
washing	68
<i>By</i>	
officers concerned	245, 272, 290, 291, 294, 329
	344, 349, 352, 356, 416, 458, 459, 461, 476
heads of branch services, in general	385, 453, 504
chief of department	25, 453
deputy chief	29-31
district chief	39-41, 48, 385, 408
company commander	66-70, 78, 147, 228, 349, 352, 356, 487
superintendent of fire alarm	504, 513
superintendent of repairs	275, 550
veterinary surgeon	554, 556
medical examiner	56, 385, 453
board of merit	327
supervisor of motor apparatus	275, 453
foreman of construction	539
drillmaster	275, 278
engineer	122
driver	140
members	290, 291, 294
Requisition	167, 472, 478, 505, 546
Residence	349
Resignation	305-307
Respect	160, 315-317
Response to alarms, deputy and district chiefs	260
companies	251-259, 262
as to fire-alarm office, in contingencies	261-263
failure to respond	374, 403
instantaneous	176
still alarm	181, 259
prescribed by	248
exception to responding	257
simultaneous alarms	253
minimum response	259, 261
superintendent of fire alarm	517
superintendent of repairs	551
veterinary surgeon	557

Response to alarms:	RULE
assistant superintendent and chief operator	520
linemen	516
members report on floor	177
(see <i>Alarms</i> .)	
Reward	363
Riding, on cars	348
on apparatus	342
Roll-call	60, 425
Roll of merit	16, 330, 454
Rubbish	49, 82, 121
Rules, knowledge of	303, 345
enforcement	23, 28, 37, 50, 59, 156, 309, 501, 522
reference to	6, 488
changes in	369
certain, application defined	33
abide by	301
violations punishable	481
no violation permitted	309
as to duties not specified in	377
of fire prevention commissioner	50
concerning other departments (see <i>Public departments</i>).	
for benefit of members	64, 321-331, 383, 388, 406, 483, 485
" " " " (see <i>Safety provisions, at fires</i>).	
S	
Safety provisions, at fires	231, 233-239
driving	131-137, 184, 185, 191
Salute	160, 316
Schools, department	274-279
Seniority	379
Senior men	81, 382
Service record	16, 303, 375
Sick or injured members, visits to	54, 418
oversight of	53
return of	416, 418
report to officers	396, 399
follow directions	397
furnish certificate	398
notify fire-alarm office	400
notify superiors of injury	355
to note and observe	410

	RULE
Sick or injured members:	
relieved by	385
not leave city	401
sudden illness	70, 403
Signals, warning	185
Signs	47, 76, 77
Sleeping on duty	146, 529
Smoking	83, 374
Snow, ice	82
Social gatherings	83
Speed	132, 133, 137, 184, 187, 188
Spite orders	324
Stables	82, 83, 246
Still alarm	181, 259
Stores (see <i>Supplies</i>).	
Street, condition	84, 130, 350
cars	348
blocking or obstructing	202, 203
watering	82
Subdistrict	35, 59
Suggestions	368
Summons	393
Superintendent of fire alarm	512-517
in charge of fire-alarm branch	510
to approve installations	92
(see <i>Heads of branch services</i> .)	
Superintendent of repairs	544-551
in charge of repair division	542
in charge of school	275
at fires	213, 214, 229, 550
arranges transportation	266
(see <i>Heads of branch services</i> .)	
Supervisor of motor apparatus	112, 113
at fires	213
in charge of school	275
(see <i>Motor apparatus</i> .)	
Supplies	472-479
providing	14, 37, 310, 505
ordering	472
inspection	474
access to	479
not accepted	475

	RULE
Supplies:	
rejection reported	476
receipt for	477
coal	38, 215
certificate	473
lighting and electrical	92, 514, 515
branch services	505-507, 546
requisition (see <i>Requisition</i>).	
Suspension	359, 376, 429, 481
T	
Tapper (see <i>Alarms</i>).	
Taxes	359
Telegraphers, at fires	144, 194, 258
qualify	361
(see <i>Chiefs' drivers</i> .)	
Telephones	489-499
retelephoning	536
Temporary duty (see <i>Acting officers</i>).	
Terms:	
"branch services," "heads of branch services"	7
"drivers," "chiefs' drivers"	125
"members," "immediate superior"	296
"light duty," "light house duty"	404
(see <i>Definitions</i> .)	
Tests	26, 31, 67, 112, 516, 525, 549
Theatre, fire in	40
passing	185
inspection	287, 441
Ticket selling, etc.	365
Titles	9, 10, 315
Tools (see <i>Property</i>).	
Torches	232
Transfer	17, 304, 370
U	
Unfairness	324
Unfitness	375
Uniform	419-442
wearing of	61, 371, 425-431
neat and clean	439
style	419
inspection	29, 47, 420, 421

	RULE
Uniform:	
cloth.....	421, 424
replacing.....	422
paid for.....	421
substitute dress.....	426, 434
coat, overcoat.....	159, 431, 433-435
insignia, device.....	437, 438
appurtenances not transferable.....	442
badge (see <i>Badge</i>).	
(see also Rules 60, 61, 71, 239.)	
Unsafe or unsanitary conditions.....	80, 459
Untruthfulness.....	374
Urgent matters.....	356, 357, 458, 546

V

Vacation, season.....	406
allowed.....	406
drawn.....	407
list.....	408
exchange.....	409
change.....	410
begin at.....	414
return from, reported.....	416
extension by days off.....	411
deputy and district chiefs.....	25, 414
Ventilating.....	183
Veteran's certificate.....	16, 17, 331
Veterinary surgeon.....	553-557
directions followed.....	127, 340
(see <i>Heads of branch services</i> .)	
Visitors.....	97, 156, 157
Visits, to quarters.....	24, 29, 37, 160, 553
to sick members.....	54, 418
to coal depots.....	29, 38

W

Washing.....	91
Watch, patrol.....	146, 152, 161
fire alarm.....	518, 521, 522, 529
Water, drainage.....	82

	RULE
Water:	
shut off.....	84
play.....	211
waste.....	336
Waterfront.....	285
Wire department.....	535
Withdrawal from service.....	417
Working hours.....	509
Writing, official matters in.....	308

INCIDENTAL REFERENCES.

	RULE
Appropriation	16
Approval (papers)	42, 447, 463
Assault	83
Bells	185
Bits	127
Boiler section	82
Bridge	44
Cans, brushes, etc.	90
Canvassers	98
Cat	100
Chemical	194, 203, 259, 262
Christmas	383
Churches	185, 287
Civil service	299
Collector	20, 98
Department stores	288
Dismounting	193
Dogging	183
Efficiency	24, 27, 34, 311, 501
Escort duty	63, 383
Extinguisher	165
Factories	288
Fairs, festivals, etc.	365
Fees	20
Ferry	44
Fighting	83
Fire statistics	16
Fire trap	292
Fireworks	49
First aid kit	75
Fuel	119, 246, 336
Funeral	383, 388
Gauges	155
Habits	83
Halls	287

	RULE
Harness	76, 545
Heater	82, 119, 246
Hotel	185, 287
Incendiary	40, 244
Lantern	75
Library	287
Life line	183, 225
Life net	75
Lineman	509, 516
Lodging house	287
Manure	82
Misrepresentation	374
Motor	194, 270
Office buildings	288
Old material	20
Pedler	98
Pilot	109
Quarreling	83
Reducer	75
Roof	82, 225
Roster	84
Rubber boots	230, 432, 433
Searchlight	95
Shirking	374
Sidewalk	82
Signal tower	237
Skidding	191
Specifications	344, 488
Sunday leave	383
Supply department	474
Switch	234
Thanksgiving	383
Tire	273
Waste	336
Watering street	82
Water tower	200
Whistles	185
Wrenches	75