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men in their positions.

130. The instructor will have occasion to remark that recruits, on first bearing arms, are liable to derange their position by lowering the right shoulder and the right hand, or by sinking the hip and spreading out the elbows.

131. He will be careful to correct all these faults by continually rectifying the position ; he will sometimes take away the piece to replace it the better ; he will avoid fatiguing the recruits too much in the beginning, but labor by degrees to render this position so natural and easy that they may remain in it a long time without fatigue.

132. Finally, the instructor will take great care that the piece, at a shoulder, be not carried too high nor too low : if too high, the right elbow would spread out, the soldier would occupy too much space in his rank, and the piece be made to waver ; if too low, the files would be too much closed, the soldier would not have the necessary space to handle his piece with facility, the right arm would become too much fatigued, and would draw down the shoulder.

133. The instructor, before passing to the second lesson, will cause to be repeated the movements of *eyes right*, *left* and *front*, and the *facings*.

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Lesson II : *Manual of Arms*

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134. The manual of arms will be taught to four men, laced, at first, in one rank, elbow to elbow, and afterwards in two ranks.

135. Each command will be executed in one *time* (or pause), but this time will be divided into motions) the better to make known the mechanism.

136. The rate (or swiftness) of each motion, in the manual of arms, with the exceptions herein indicated, is fixed

Lake City : Deseret News Print., 1865)

Scott, Maj. Gen. Winfield, Vol. I, "*Infantry Tactics : or, Rules for the Exercise and Manœuvres of the United States' Infantry - New Edition*," Vol. I (New York : Harper and Bros., 1857) and Vol. II, (New York : Harper and Bros., 1861)

United States, War Department, "*U.S. Infantry Tactics : For the Instruction, Exercise, and Manœuvres of the United States Infantry, Including Infantry of the Line, Light Infantry, and Riflemen*," (Philadelphia : J.B. Lippincott & Co., 1861)

Upton, Bvt. Maj. Gen. Emory, "*Infantry Tactics, Double and Single Rank, Adapted to American Topography and Improved Fire-arms*," (New York : D. Appleton and Co., 1875)



front and between the eyes, the barrel to the rear ; seize the piece with the left hand at the lower band, raise this hand as high as the chin, and seize the piece at the same time with the right hand four inches below the cock.

141. (*Second motion.*) Turn the piece with the right hand, the barrel to the front ; carry the piece to the left shoulder, and pass the fore-arm extended on the breast between the right hand and the cock ; support the cock against the left fore-arm, the left hand resting on the right breast.

142. (*Third motion.*) Drop the right hand by the side.

143. When the instructor may wish to give repose in this position, he will command :

REST.

144. At this command, the recruits will bring up smartly the right hand to the handle of the piece (small of the stock), when they will not be required to preserve silence, or steadiness of position.

145. When the instructor may wish the recruits to pass from this position to that of silence and steadiness, he will command :

1. *Attention.* 2. SQUAD.

146. At the second word, the recruits will resume the position of the third motion of *support arms*, No. 142, by dropping the right hand by the side.



Fig. 19.  
Side view of  
support arms.

orderly sergeant will promptly command :

1. *In two ranks, form company.*

2. *Left—FACE.* 3. MARCH.

At the command, *left face*, the whole company will face to the left, except the guide and man on the left, who stand fast.

At the command, MARCH, the whole of the men who have faced to left, will step off together ; the second man, counting from the left, will place himself in the rear rank, behind the man next to the guide, and face to the front ; the two following men will, in like manner, on closing up, form the next file, the third man in the front, and the fourth in the rear rank behind him, and all the other men will come successively to form files, two deep, to the right of those already formed.

When the company is in good discipline, the men will take their places in ranks without any preliminary formation.

The officers will now take their posts as prescribed ; if the captain has to discharge the duties of instructor, the first lieutenant will take his place on the right of the front rank, the second lieutenant replacing the first behind the fourth section.

The instructor will then cause the files to be numbered, and for this purpose will command :

*In each rank—Count TWOS.*

Casey, SoC 5. At this command, the men count in each rank, from right to left, pronouncing in a loud and distinct voice, in the same tone, without hurry and without turning the head, *one, two*, according to the place which each one occupies. He will also cause the company divided into platoons and sections, taking care that the first platoon is always composed of an even number of files.

— *END.* —

*Shoulder—ARMS*  
*One time and two motions.*

152. (*First motion.*) Bring the piece to the right shoulder, at the same time change, the position of the right hand so as to embrace the guard with the thumb and fore-finger, slip up the left hand to the height of the shoulder, the fingers extended and joined, the right arm nearly straight.

153. (*Second motion.*) Drop the left hand quickly by the side.



*Order—ARMS*  
*One time and two motions.*

154. (*First motion.*) Seize the piece briskly with the left hand a little above the middle band, and detach it slightly from the shoulder with the right hand : loosen the grasp of the right hand, lower the piece with the left, reseize the piece with the right hand just above the lower band, the little finger in the rear of the barrel, the butt about four inches from the ground, the right hand supported against the hip, drop the left hand by the side.

155. (*Second motion.*) Let the piece slip through the right hand to the ground by opening slightly the fingers, and take the position about to be described.

*Position of Order Arms.*

156. The hand low, the barrel between the thumb and fore-finger extended along the stock ; the other fingers extended and joined ; the muzzle about two inches from the

---

*Rest On Arms*

---

Being at a carry, the instructor commands :

1. *Rest on.* 2. ARMS.

Upton 91. (*First motion.*) Raise the piece vertically with the right hand, advancing it slightly, grasp it with the left hand at the lower band, the forearm horizontal; reverse it with both hands, the muzzle dropping to the front, the butt passing between the breast and the right forearm; place the muzzle upon the left toe, the barrel to the right, the left hand slipping up the stock, the back to the left.

(*Second motion.*) Carry the right foot three inches to the rear; at the same time place the hands upon the butt, the right hand uppermost, the left knee slightly bent.

(*Third motion.*) Incline the head toward the hands.

1. *Carry.* 2. ARMS.

(*First motion.*) Grasp the small of the stock with the right hand, back to the right; carry the piece with the right hand opposite the right shoulder, barrel to the front and vertical, forearm horizontal; grasp the piece at the lower band with the left hand, back to the left, the thumb pointing downward; bring the right foot by the side of the left.

(*Second motion.*) Reverse the piece with both hands, the butt passing between the breast and right forearm; resume the carry with the right hand.

(*Third motion.*) Drop the left hand by the side.



*Load in nine times.*

1. LOAD.

*One time and one motion.*

163. Grasp the piece with the left hand as high as the right elbow, and bring it vertically opposite the middle of the body, shift the right hand to the upper band, place the butt between the feet, the barrel to the front ; seize it with the left hand to just below the upper band ; the muzzle will be eight inches from the body ; carry the right hand to the cartridge-box.



*Load.*

2. Handle—CARTRIDGE.

*One time and one motion.*

164. Seize the cartridge with the thumb and next two fingers, and place it between the teeth.

3. Tear—CARTRIDGE.

*One time and one motion.*

165. Tear the paper to the powder, hold the cartridge upright between the thumb and first two fingers, near the top; in this position place it in front of and near the muzzle—the back of the hand to the front.

4. Charge—CARTRIDGE.

*One time and one motion.*

166. Empty the powder into the barrel : disengage the

---

*Parade rest.*

---

Casey. Being on parade and at order arms, if it be wished to give the men rest, the command will be :

*Parade—REST.*

At the command, *rest*, turn the piece on the heel of the butt, the barrel to the left, the muzzle in front of the centre of the body ; seize it at the same time with the left hand just above, and with the right at the upper band ; carry the right foot six inches to the rear, the left knee slightly bent.



*Parade Rest.*

---

*Reverse Arms*

---

1. Reverse. 2. ARMS.

Upton 89. (*First motion.*) Being at the carry, raise the piece vertically with the right hand, advancing it slightly; grasp it with the left hand at the lower band, the forearm horizontal; at the same time grasp the small of the stock with the right hand.

(*Second motion.*) Reverse the piece, the muzzle dropping to the front, the butt passing between the breast and right forearm; the right hand grasping the small of the stock at the height of the shoulder, the barrel to the front and vertical; the fingers of the left hand extended, and joined in front of the barrel,



*Reverse Arms.*

right hand, the back of the band to the front ; press the ball home, the elbows near the body.

7. *Return*—RAMMER.  
*One time and three motions.*

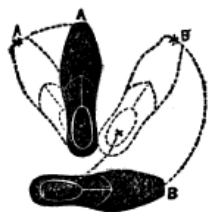
171. (*First motion.*) Draw the rammer half-way out, and steady it in this position with the left thumb ; grasp it near the muzzle with the right hand, the little finger uppermost, the nails to the front, the thumb along the rammer ; clear the rammer from the bore by extending the arm, the nails to the front, the rammer in the prolongation of the bore.

172. (*Second motion.*) Turn the rammer, the head of the rammer passing near the left shoulder, and insert it in the pipes until the right hand reaches the muzzle, the nails to the front.

173. (*Third motion.*) Force the rammer home by placing the little finger of the right hand on the head of the rammer ; pass the left hand down the barrel to the extent of the arm, without depressing the shoulder.

8. PRIME.  
*One time and two motions.*

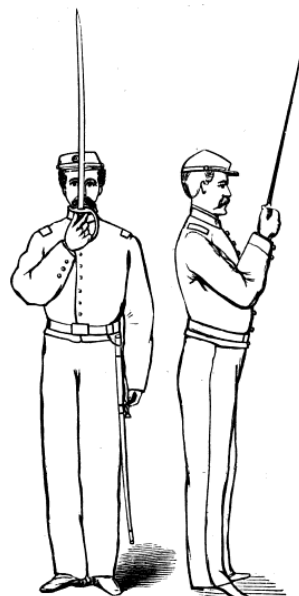
174. (*First motion.*) With the left hand raise the piece till the band is as high as the eye, grasp the small of the stock with the right hand ; half face to the right ; place, at the same time, the right foot behind and at right angles with the left ; the hollow of the right foot against the left heel. Slip the left hand down to the lower band, the thumb along the stock, the left elbow against the body ; bring the piece to the right side the



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*To Salute with the Sword or Sabre.*  
*Three times (or pauses).*

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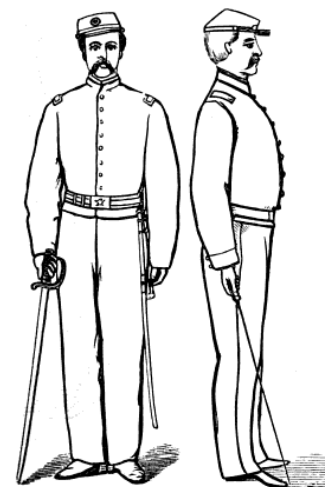
THE SALUTE

*One.* At the distance of six paces from the person to be saluted, raise the sword or sabre perpendicularly, the point up, the flat of the blade opposite to the right eye, the guard at the height of the shoulder, the elbow supported on the body.

*Two.* Drop the point of the sword or sabre by extending the arm, so that the right hand may be brought to the

side of the right thigh, and remain in that position until the person to whom the salute is rendered shall be passed, or shall have passed, six paces.

*Three.* Raise the sword or sabre smartly, and place the back of the blade against the right shoulder.



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SALUTES.

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*Color-salute.*

---

Casey. In the ranks, the color-bearer, whether at a halt or in march, will always carry the heel of the color-lance supported at the right hip, the right hand generally placed on the lance at the height of the shoulder, to hold it steady. When

grasp the piece with the left hand at the lower band and detach it slightly from the shoulder.

179. (*Second motion.*) Bring down the piece with both hands, the barrel upwards, the left thumb extended along the stock, the butt below the right fore-arm, the small of the stock against the body and two inches below the right breast, the muzzle as high as the eye, the left elbow against the side ; place at the same time the right thumb on the head of the cock, the other fingers wider and against the guard.



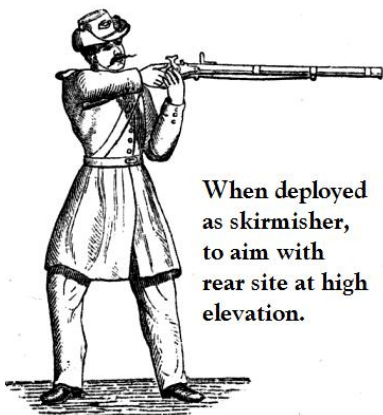
Aim.

180. (*Third motion.*) Cock, and seize the piece at the small of the stock without deranging the position of the butt.

AIM.

*One time and one motion.*

181. Raise the piece with both hands, and support the butt against the right shoulder ; the left, elbow down, the right as high as the shoulder ; incline the head upon the butt, so that the right eye may perceive quickly the notch of the hausse, the front sight, and the object aimed at ; the left eye closed, the right thumb extended along the stock, the fore-finger on the trigger.



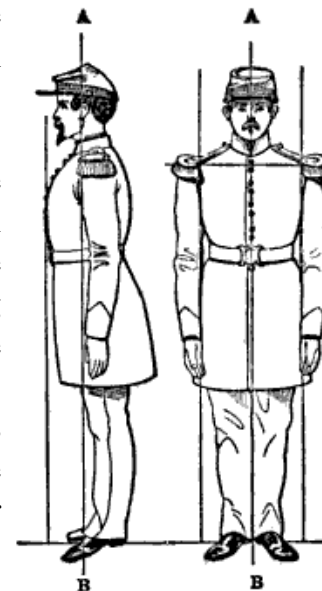
When deployed as skirmisher, to aim with rear site at high elevation.

182. When recruits are formed in two ranks to

of the man next on the left, the barrel turned to the front.

At the same time the front-rank man of every odd-numbered file will pass his piece before him, seizing it with the left hand below the middle band, and hand it to the man next on the left ; the latter will receive it with the right hand two inches above the middle band, throw the butt about thirty-two inches to the front, opposite to his right shoulder, inclining the muzzle toward him, and lock the shanks of the two bayonets : the lock of this second piece toward the right, and its shank above that of the first piece.

The rear-rank man of every even file will project his bayonet forward, and introduce it (using both hands) between and under the shanks of the two other bayonets. He will then abandon the piece to his file leader, who will receive it with the right hand under the middle band, bring the butt to the front, holding up his own piece and the stack with the left hand, and place the butt of this third piece between the feet of the man next on the right, the S plate to the rear.



The stack thus formed, the rear-rank man of every odd file will pass his piece into his left hand, the barrel turned to the front, and sloping the bayonet forward, rest it on the stack.

426. The men of both ranks having taken the position of the soldier without arms, the instructor will command :

- 1. *Break ranks.* 2. MARCH.

shifting the right hand to the upper band, placing the butt between the feet, the barrel to the front ; seizing it with the left hand near the muzzle, which should be eight inches from the body ; and carrying the right hand to the cartridge-box.

Each rear-rank man will bring his right foot by the side of the left.

187. The men being in this position, the instructor will cause the loading to be continued by the commands and means prescribed, No. 163, and following.

188. If, after firing, the instructor should not wish the recruits to reload, he will command :

*Shoulder—ARMS.  
One time and one motion.*

189. Throw up the piece briskly with the left hand and resume the position of *shoulder arms*, at the same time face to the front, turning on the left heel, and bring the right heel on a line with the left.

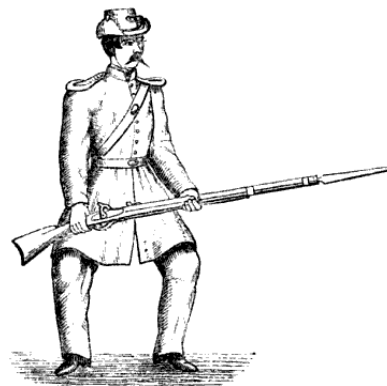
190. To accustom the recruits to wait for the command *fire*, the instructor, when they are in the position of *aim*, will command :

*Recover—ARMS.  
One time and one motion.*

191. At the first part of the command, withdraw the finger from the trigger ; at the command *arms*, retake the position of the third motion of *ready*, No. 180, by cocking and seizing the piece at the small of the stock without deranging the position of the



1. *Guard against Infantry.* 2. GUARD.  
*One time and two motions.*



*Guard against Infantry.—No. 314.*

314. (*First motion.*)  
Make a half face to the right, turning on both heels, the feet square to each other ; at the same time raise the piece slightly, and seize it with the left hand above and near the lower band.

315. (*Second motion.*)  
Carry the right foot twenty inches perpendicularly to the rear, the right heel on the prolongation of the left, the knees slightly bent, the weight of the body resting equally on both legs ; lower the piece with both hands, the barrel uppermost, the left elbow against the body ; seize the piece at the same time with the right hand at the small of the stock, the arms falling naturally, the point of the bayonet slightly elevated.

*Shoulder—ARMS.  
One time and one motion.*

316. Throw up the piece with the left hand, and place it against the right shoulder, at the same time bring the right heel by the side of the left and face to the front.

1. *Guard against Cavalry.* 2. GUARD.  
*One time and two motions.*

317. The first motion is the same as for *guard against infantry* :



rammer to the rear, the barrel inclined forward, the muzzle eight inches from the body ; seize the piece with the right hand at the upper band, and carry the left hand reversed to the socket of the bayonet.

199. (*Third motion.*) Draw the bayonet from the scabbard, fix it on the extremity of the barrel, turn the clasp as soon as the bayonet is fixed upon the barrel ; seize the piece with the left hand, the arm extended, the right hand at the upper band.

*Shoulder—ARMS  
One time and two motions.*

200. (*First motion.*) Raise the piece with the left hand and place it against the right shoulder, the rammer to the front; seize the piece at the same time with the right hand at the swell of the stock, the thumb and fore-finger embracing the guard, the right arm nearly extended.

201. (*Second motion.*) Drop briskly the left hand by the side.

*Charge—BAYONET.  
One time and two motions.*

202. (*First motion.*) Raise the piece slightly with the right hand and make a half face to the right on the left heel ; place the hollow of the right foot opposite to, and three inches from the left heel, the feet square ; seize the piece at the same time with the left hand a little above the lower band.



*Shoulder—ARMS.  
One time and two motions.*

(*First motion.*) Bring the piece smartly to the left shoulder, placing the left hand under the butt.

(*Second motion.*) Drop the right hand smartly by the side.

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*The Charge.*

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*Fig. 40.  
The charge.*



Kelton 103. The squad (platoon, or company) being in two ranks and at "*carry arms,*" and supposed to be about forty or fifty yards from the enemy, the instructor will command :

1. *Prepare to charge.*
2. *Double quick—MARCH!*

At the first command, seize the piece with the left hand at the height of the right breast, and bring it diagonally across the middle of the body, the bayonet slightly advanced, the right hand holding the handle at the height of the hips, the left hand in front and at the height of the left breast.

At the second command the squad (or company) will move off at the "*double quick,*" carrying the piece as described.

104. After moving to the front forty or fifty paces, the command,

ground. The right hand supported at the hip, will so hold the piece that the rear-rank men may not touch with their bayonets the men in the front-rank.

*Shoulder*—ARMS.

208. At the command *shoulder*, raise the piece perpendicularly in the right hand, the little finger in the rear of the barrel ; at the command *arms*, execute what has been prescribed for the *shoulder* from the position of *order arms*, No's 161-62, by :

(*First motion.*) Raising the piece vertically with the right hand to the height of the right breast, and opposite the shoulder, the elbow close to the body ; seizing the piece with the left hand below the right, and dropping quickly the right hand to grasp the piece at the swell of the stock, the thumb and fore-finger embracing the guard ; pressing the piece against the shoulder with the left hand) the right arm nearly straight ; and

(*Second motion.*) Dropping the left hand quickly by the side.

*Unfix*—BAYONET.

*One time and three motions.*

209. Similar to first and second motions of *fix bayonet*, No's 197-98 :

(*First motion.*) Grasp the piece with the left hand at the height of the shoulder, and detach it slightly from the shoulder with the right hand.

(*Second motion.*) Quit the piece with the right hand, lower it with the left



*Unfix bayonet*

---

*To Fire and Load Lying.*

---

307. In this exercise the squad will be in one rank and loaded ; the instruction will be given individually and without times or motions.

308. The instructor will command :

FIRE AND LOAD LYING.

309. At this command, the man on the right of the squad will move forward three paces and halt ; he will then bring his piece to an order, drop on both knees, and place himself on the ground flat on his belly. In this position he will support the piece nearly horizontal with the left hand, holding it near the lower band, the butt end of the piece and the left elbow resting on the ground, the barrel uppermost ; cock the piece with the right hand, and carry this hand to the small of the stock ; raise the piece with both hands, press the butt against the shoulder, and resting on both elbows, *aim* and *fire*.

310. As soon as he has fired, bring the piece down and turn upon his left side, still resting on his left elbow ; bring back the piece until the cock is opposite his breast, the butt end resting on the ground ; take out a cartridge with the right hand ; seize the small of the stock with this hand, holding the cartridge with the thumb and two first fingers ; he will then throw himself on his back, still holding the piece with both hands ; carry the piece to the rear, place the butt between the heels, the barrel up, the muzzle elevated. In this position, charge cartridge, draw rammer, ram cartridge, and return rammer.

311. When finished loading, the man will turn again upon his left side, remove the old cap and prime, then raise the piece vertically, rise, turn about, and resume his position in the

perpendicularly to the front and between the eyes, the barrel to the rear ; seize the piece with the left hand at the lower band, raise this hand as high as the chin, and, seize the piece at the same time with the right hand at the small of the stock.

214. (*Second motion.*) Turn the piece with both hands, the barrel to the front ; bring it opposite the left shoulder, the butt against the hip, the left hand at the lower band, the thumb as high as the chin and extended on the rammer ; the piece erect and detached from the shoulder, the left fore-arm against the piece.

215. (*Third motion.*) Reverse the piece, pass it under the left arm, the left hand remaining at the lower band, the thumb on the rammer to prevent it from sliding out, the little finger resting against the hip, the right hand falling at the same time by the side.

*Shoulder—ARMS.  
One time and three motions.*

216. (*First motion.*) Raise the piece with the left hand, and seize it with the right hand at the small of the stock. The piece erect and detached from the shoulder, the butt against the hip, the left fore-arm along the piece.

217. (*Second motion.*) The same as the second motion of *shoulder arms from a support*, No. 148 : Carry the piece vertically to the right shoulder with both hands, the rammer to the front, change the position of the right hand so as to embrace the guard with the thumb and fore-finger, slip the left hand to the height of the shoulder, the fingers extended and



**Secure Arms**

rear-rank in the position of ready, he will command :

- 1. *Front-rank.* 2. AIM. 3. FIRE. 4. LOAD.

297. At these commands, the men in the front-rank will execute what has been prescribed for the rear-rank, but they will not step off with the right foot.

298. The instructor will recommence the firing by the rear-rank, and will thus continue to alternate from rank to rank, until he shall wish the firing to cease, when he will command, *cease firing*, which will be executed as heretofore prescribed, No. 291.

---

*To Fire and Load Kneeling.*

---

299. In this exercise the squad will be supposed loaded and drawn up in one rank. The instruction will be given to each man individually, without times or motions, and in the following manner.

300. The instructor will command :

**FIRE AND LOAD  
KNEELING.**



301. At this command, the man on the right of the squad will move forward three paces and halt; then carry the right foot to the rear and to the right of the left heel, and in a position convenient for placing the right knee upon the ground in bending the left leg ; place the right knee upon

the height of the shoulder, the fingers extended and closed. Drop the left hand by the side.

223. The men being at support arms, the instructor will sometimes cause pieces to be brought to the right shoulder. To this effect, he will command :

*Right shoulder shift—ARMS.  
One time and two motions.*

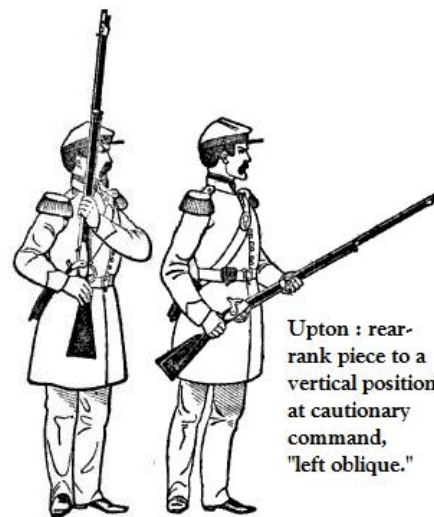
224. (*First motion.*) Seize the piece with the right hand, below and near the left fore-arm, place the left hand under the butt, the heel of the butt between the first two fingers.

225. (*Second motion.*) Turn the piece with the left hand, the lock plate upwards, carry it to the right shoulder, the left hand still holding the butt, the muzzle elevated ; hold the piece in this position and place the right hand upon the butt, as is prescribed, No. 219 : the beak between the first two fingers, the other two fingers under the butt plate ; let fall the left hand by the side.

*Support—ARMS.  
One time and two motions.*

226. (*First motion.*) The same as the first motion of *shoulder arms*, No. 221 : Raise the piece perpendicularly by extending the right arm to its full length, the rammer to the front, at the same time seize the piece with the left hand between the lower band and guide-sight.

227. (*Second motion.*) Turn the piece with both hands, the barrel to the front, carry it opposite the left shoulder, slip the right hand to the small of the stock, place the left fore-arm extended on the breast, as is prescribed, No. 141, by passing



At the command, *aim*, five things occur : (1) the front-rank will take aim to the left without deranging the feet; (2) each man in the rear will advance the right foot about eight inches toward the right heel of the man next on the right of his file leader ; (3) “aim through the interval *to the left of his file leader*” ; (4) inclining the upper body

forward and (5) bending a little the right knee.

---

*To Fire by File.*

---

282. The fire by file will be executed by the two ranks, the files of which will fire successively, and without regulating on each other, except for the first fire.

283. The instructor will command :

1. *Fire by file.* 2. *Squad.*
3. **READY.** 4. **COMMENCE FIRING.**

284. At the third command, the two ranks will take the position of *ready* as prescribed in the direct fire, No. 178.

285. At the fourth command, the file on the right will aim and fire ; rear-rank man in aiming will take the position indicated No. 183, by carrying the right foot about eight inches to the right, and towards the left heel of the man next on the right, inclining the upper part of the body forward.

286. The men of this file will load their pieces briskly and fire a second time ; reload and fire again, and so on in

and drop the hands by the side.

*Raise—ARMS.  
One time and two motions.*

233. (*First motion.*) Seize the cartridge-box with the left hand, bend the body, advance the left foot opposite the lower band, and seize the piece with the right hand.

234. (*Second motion.*) Raise the piece, bringing the left foot by the side of the right ; turn the piece with the right hand, the rammer to the front ; at the same time quit the cartridge-box with the left hand, and drop this hand by the side.

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*Inspection of arms.*

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235. The soldiers being at *ordered arms*, and having the bayonet in the scabbard, if the instructor wishes to cause an inspection of arms, he will command :

*Inspection—ARMS.  
One time and two motions.*

236. (*First motion.*) Seize the piece with the left hand below and near the upper band, carry it with both hands opposite the middle of the body, the butt between the feet, the rammer to the rear, the barrel vertical, the muzzle about eight inches from the body ; carry the left hand reversed to the bayonet, draw it



Inspection of arms.

will command :

*Cease—FIRING.*

274. At this command, the men will cease firing, but will load their pieces if unloaded, and afterwards bring them to a shoulder.

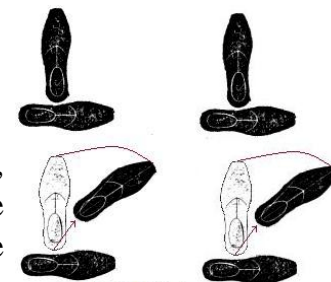
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*Oblique Firings.*

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275. The oblique firings will be executed to the right and left, and by the same commands as the direct fire, with this single difference—the command, *aim*, will always be preceded by the caution, *right* or *left oblique*.

*Position of the Two Ranks in the  
Oblique Fire to the Right.*



Right Oblique :  
move LEFT foot

276. At the command, *ready*, the two ranks will execute what has been prescribed for the direct fire.

277. At the cautionary command, *right oblique*, the two ranks will throw back the right shoulder and look steadily at the object to be hit.

278. At the command, *aim*, each front-rank man will aim to the right without deranging the feet ; each rear-rank man will advance the left foot about eight inches towards the right heel of the man next on the right of his file leader and aim to the right, inclining the upper part of the body forward and bending a little the left knee.

ascertain whether the pieces have been discharged, he will command :

*Spring*—RAMMERS.

243. Put the rammer in the barrel, as has been explained above, No. 237, and immediately retake the position of *ordered arms*.

244. The instructor, for the purpose stated, can take the rammer by the small end, and spring it in the barrel, or cause each recruit to make it ring in the barrel.

245. Each recruit, after the instructor passes him, will return rammer, and resume the position of *ordered arms*.

**Remarks on the Manual of Arms.**

246. The manual of arms frequently distorts the persons of recruits before they acquire ease and confidence in the several positions. The instructor will therefore frequently recur to elementary principles in the course of the lessons.

247. Recruits are also extremely liable to curve the sides and back, and to derange the shoulders, especially in loading. Consequently, the instructor will not cause them to dwell too long at a time in one position.

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Lesson III : *To Load in Four Times.*

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259. The object of this lesson is to prepare the recruits to load at will, and to cause them to distinguish the times which require the greatest regularity and attention, such as *charge cartridge*, *ram cartridge*, and *prime*. It will be divided as follows :

260. The first time will be executed at the end of the

command ; the three others at the commands, *two*, *three* and *four*.

The instructor will command :

1. *Load in four times.* 2. LOAD.

261. Execute the times to include charge cartridge.  
TWO.

262. Execute the times to include ram cartridge.  
THREE.

263. Execute the times to include prime.  
FOUR.

264. Execute the time of *shoulder arms*.

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*To load at will.*

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265. The instructor will next teach loading at will, which will be executed as loading in four times, but continued, and without resting on either of the times. He will command:

1. *Load at will.* 2. LOAD.

266. The instructor will habituate the recruits, by degrees, to load with it greatest possible promptitude, each without regulating himself by his neighbor, and above all without waiting for him.

267. The cadence prescribed, No. 136, is not applicable to loading in four times, or at will.

