

*The side or  
closing  
step.*

Close to the right—March! Each man carries his right foot about 12 inches directly to his right, and instantly brings up his left foot 'till the heel touches his right heel: he then pauses for a moment to perform this movement in ordinary time, and proceeds to take the next step in the same manner. Close to the left—March! Step to the left 12 inches and bring up the right foot, &c.

*The back  
step.*

This step is performed in ordinary time.—On the word "Step back, march," the recruit must be taught to move straight to the rear, taking his full pace of 30 inches at each step; preserving his shoulders square to the front, and his body erect; on the word "Halt," the foot in front must be brought back square with the other. Ten or twelve paces only of the back step can be necessary at a time. It is an operation frequently required from a battalion.

*Plummet.*

A musket ball suspended by a small string (knotted) of the following lengths, will mark the times of the different marches in a minute, measuring from the point of suspension to the center of the ball:

<i>Vibration.</i>	<i>Length of Cord:</i>	
	<i>Ins.</i>	<i>Hun. parts.</i>
Ordinary time 75 paces	24	96
Quick time 108	12	3
Wheeling time 120	9	80

*Wheeling.*

In all wheelings forward, on a *fixed or halting pivot*, the flank front rank man, on whom the wheel is made, that is to say—the *pivot man* faces *outward* from his division. The other flank front rank