



THE EXERCISE OF ARMES

FOR

CALIVRES, MUSKETTES, AND PIKES

After the ordre of his Excellence.
Maurits Prince of Orange Counte
of Nassau etc. Gouvernour
and Captaine generall. ouer
Geldreland, Holland, Zee-
land Vtrecht. Overyssele etc.

Sett forth in figures by
Jacob de Gheyn.

*With written Instructions for the service of all
Captaines and Comaundours. For to shewe hereout
the better vnto their jong or vntrayned Soul.
diers the playne and perfectt maner to handle
these Armes.*

*Printed at the Hage.
With Priviledge of the Emperours Ma^{tie} the
King of Fraunce, and the Noble and migh-
tye Estates General of the vnited Provinces*

TO THE PRINCE.

NOr your highnes, nor any man to whose eue this present booke shall come, shall need to finde it strange, either, why it hath borrowed an English habitt, or throwed it selfe vnder so great a protection: since on the one side it represents vnto You that manner of exercise Of Armes, which hath for many yeares bene practised in this schoole of vvarre, the Vnited Provinces, and that, by a Caprayne whose vvorth (I thinke) not any part of the vworld is ignorant of: in vvhich vvarre the valure of the English and Schottish nations (now Brittaines) hath bene of that speciall marke and note, that, for readye vse of theyr Armes, prouident care of the Commaunders and commendable obedience of the Souldier tovwards his chiefe, it can not be denied but that the Provinces haue received verie acceptable services at theyr handes. On the other side: to vvhom could I (in iudgement) more fitly and (as I may saye) iustly, addresse the proprietye of a vvorke of this vvorthe and nature: then to a *Prince* descended from so many povverfull and victorious Kinges, vvhoe euen by destyny and iudgement of all the vworld, is not onely the heyre of theyr Fortunes, but an inheritour of theyr vertues also: then to a *Prince* the sonne of the most puissant Kinge of all his predecessours: vvhoe, though he blesseth his Realmes vwith the svweetenesse of peace, yet (doubtelesse) he placeth the securitie of that content, in the due and lavvfull exercise of Armes. Lastely, to vvhom rather (I saye) should I dedicate this vvorke: then to a *Prince*, that through the light of his ovvne proper example, doth so much beautifye and ennoble the practise of Armes, vvhoe euen in the fore-springe of his yeares and amidst so many other princely entertaynments fitt for his youth and state, doth yet give such a lustre to this of Armes, by the continuall familiaritie he hath vwith them in his often practise, that I thinke I may saye, and saye truely, that the most true and perfect knowvledge of them is rather to be found vwith your Highnes, then brought to You. Therefore, as all those excellent professours of excellent sciences (vvhoe in yet your Highnes excels them all) are every one in speciall duety bound, to giue the best testimonye they can of theyr thankfulnessse, both in regard of the fauour vvhich some receive in being nere You, and also of the honour vvhich You doe to all theyr professions, in not disdaininge to participate vwith theyr industries: So haue I in all humble and due respect, thought it fitt, to tender You this acknowledgements of myne, hopinge that your Highnes shall receive no small contentement, by addinge the longe experience of the Nether-lands practise to Your ovvne knowvledge of ancient Histories, and those vvise and deep-grounded instructions of that great Monarche the Kinge Your Father.

Your Highnes his.

Most humble servant in all duetye at command.

Iacob de Gheyn.

TO THOSE THAT LOVE THE EXERCISE OF ARMES

WISSETH IACOB DE GHEYN HEALTH
and prosperitie.

IT is out of all doubt, that neither the quietnesse of a common wealthe without armes, nor the armes without convenient or due exercise, can stand or be maintained. Which hath not onely bene well considered by the old sages or wise, that haue vndertaken to give any examples of lawe, but is approoued by the effectuall experience of the most famous Townes and People, that haue preserved their Estate chiefly by those meanes. And examining the further course of the whole World, we shall find, that the soueraigne powre hath alwayes bene by those which here in did most surpassse theyr neighbours. The Grecians, in the time thye haue bene in theyr most shyning glorie haue much embraced this point, and there in by theyr witt not little profitted. Yet the Romains haue farre surpassed here in as well those as all others, and ever exercised theyr youth at all kinde of armes by those whom they called Campi-doctores or Mastres of the field. Which maner is playnely showed vnto vs, in the writings that are there of come to our handes, the same reason standeth fast for euer, and with all nations. But in regard that not onely the vse but euen the armes them selues are much changed chiefly sithence the findinge out of Gun powder, it can not be denied but that wee can reape small or no benefite by the old rehearsals, without wee haue newe instructions. His Princely Ex^{ce}. there fore the Earle Maurice of Nassau &c. to whose care (by the Lords Estates generall of the vnted Provinces) is left the charge of defending so wor thie countries and the conducting of a warre which is taken for a schoole or patterne to the whole World, Like as he throughout the whole militarie order (before his tyme much decayed) hath restord and partely brought to the examples of the old, partely by his owne inventions amended and adorned, so hath he taken great regard to the exercise of Armes, as one of the principall partes of the militarie ordre, where out are risen such comodites as vnto euery man is knowne not onely in these Countreies but also in the vttermost partes of the worlde. This hath bene the chiefe cause that hath mooued me to giue out the order which his Princely Ex^{ce}. in the vsing of the Calivres, Muskets and Pikes doth obserue as the perfectest and best patterne, as well to pleasure those whose duety it is to followe the order of his directions, as to accomodate any other who shall seeke to draw benefytt to hym self by so necessary exercise and practise of armes. Having to that purpose drawne all the postures that come in the holding or vsing of the armes by order and the same described with his reasons and wordes of comand: A worke (without question) very fitt for novices and yongeso vldiers to whom it belongeth to exercise them selues with great diligence here in, verry necessarye also to all Captaynes and Comandors the better to looke to the exercising of souldiers, and lastly verie profitabile to all Princes and People, be it in tyme of warre the better to defend them selues, and offend theyr enemyes or be it in time of peace with the more facilitye (by this kinde of exercising) to draw a better asurance to them selues, and become the more dreadfull and redoubted to others. Seeing then our meaning goeth no further then to instruct the vntained souldiers and to reinforce the minde of the expert by the sight and reading of it: No man shall finde it strange that wee in drawing of the Pikes, onely set that which for the vse of the same is most necessarye, omitting diuerse maners of tossing of the pike by forme of recreation, which in militarie exercise bringeth little benefite or profite. Concerning the different or sutable apparell and armes of the figures, there is to be considered, that the shott with head peeces, and the Muskettiers with battes are drawne and differently appareled, not that we holde it for necessarye, but that such varietye might give the fuller ornament to the pictures, and to shewe to posteritie the manner of souldiers apparel used in these dayes, Like as on the other side the Pikemen are all armed after onesorte or kinde, for no other reason then to represent the right maner and fashon of the arminge of his Ex^{ce}. owne Garde, as it is at this tyme. In the small shot and Musquettiers, you shall also consider that the first figure sheweth how a man shall holde a Musket or Caliver already charged vpon his shoulder, and the other pictures followinge tell what is further to be done bothe for discharging, and lyke wyse for charging againe of the peece. And because that every man standing still shall knowe how to behaue him self in tyme of need, there is pro-

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partly set downe in the ende ech severall picture with his severall difference of stand or posture and that to give truer light to the judgement of the obseruer. But aboue all is to be well considered that which seemes here to require a leasurly and slow proceeding in the apprehension (by reason of the smalenes of the sculpture which could not conveniently be other wise formed) that (I say) must the industrious learner with a diligent practise strive to bringe to a nimble and quicke readines of action. Neuerthelesse so, as that in the best fashon and with the most care and providence he make it appear that it is to offend the ennemy without hurting or annoyng him self or his fellowe, the rest the written instructions and the pictures shall shewe.

SHORTE INSTRVCTION VPON THE CONTREFAICTINGES, TOVCHING THE RIGHT VSE OF GALIVERS,

for the yonge or inexpert Shot, vvhich instruction by Cypher letters is agreeing or answering orderly vwith every picture. And because here to are ioyned some pictures of standing still for sentenels, to shew hovv the souldier in tyme of need (readie vwith his peece) shall stand, there fore doe the vvritings also there of agree vwith every figure or picture, according his number.

SHOT.

First of al is in this figure shovved to euey Shot hovv he shall stand and Marche vwell, and also hold and carye his Caliver, Matche and Rapier: That is to say, he shall in laying on the peece ioyne the Seer close to the shoulder, holding it vwith the left hand, and that about the hollowe or thumb-hole of the stock, and not at the end there of, remembering alvvayes to cary it vwith the mouth vp, least if by chaunce the peece vvent of, he should hurt his fellowe, he shall also hold the match burning or kindled at bothe the endes, betvvixt the two least fingers of the same left hand, holding the same hanging dovnevvards vwithin the stock, to the end that he may lengthen the same at all tymes, and to vse and change one end after an other, shall also besides his flaske or charges, carye about him a tutchboxe vwith tutch powder, to put out of the same and not out of the flaske or charges, the sayd powder in to the pan.

In the 2. figure is taught, hovv he going and preparing him self to shoote, shall take the peece from the neck, that is to say, he shall not vwith the left hand pull the peece from the shouider, but shall take it vwith the right hand onely (like as this figure sheweth) beyond the great skruie, because the peece fals there, (benig ballanced in the hand) much lighter, and shall take it of vwith one hand alone (vwhereby shall be sene that he is mayster of his peece) sinking it a little in the left hand vwithout bending or hanging his bodye towards it.

In the 3. hovv he shall hold and gouerne the peece before he take it in the left hand, he shall vwith the right hand hold the peece in ballance, vwith the mouth vpvvards, vwithout tutching the bodye, and haue readie the left hand to meete the peece and to receauce it in the same.

In the 4. hovv he shall carye the peece in the left hand, standing and going, not onely easely and vwell, but also hold it in ballance in the same hand, that it doe not lye to high nor to lovv, and also not hurt his fellowe if the peece vvent of by chaunce, setting for ease and suretye sake the elbowv against his hyppe, like as this figure teacheth.

In the 5. hovv he shall vwell and proprelye take the match out of the left hand vwith the tumb and second finger, holding alvvayes the peece in a due hight, as vwell for the ease, as for not to hurt his fellowe vnadvisedlye, and although that generally (for some good respects) vve have ordayned to take the matche betvvixt the thumb and second finger, yet is it not our purpose so precisely to binde a man thereto, as that he maye not take the same betvvixt the thumb and two next fingers, if that be easier for him.

In the 6. hovv he shall blowv of the match and hold it vvel betvvixt the thumb and second finger, before he do put it vpon the Cock, that is to saye, he shall bring the match handsomely neare the mouth, and blowv of the same vnder the hand, vwithout bending him self to much thereto, like as this figure sheweth.

In the 7. hovv he shall vwith the thumb and the second finger, bring the match into the Cock, and not skruie it in, for to loose no tyme and is te be vnderstood, that he alvvayes a fore hand, shall direct the vvidenesse of the Cock to the thickenesse of the match, for to be the sooner readie to shoote.

In the 8. hovv he shall hanfomly trye his matche and vwith the thum and second finger gouerne the same, to the end he may make it presently longer, shorter, as also higher, and so set the same that the peece do not faile or refuse him.

In the 9. hovv he shall blowv of the match speedely and vwell, and being vwell blowvne of, finely vwith open armes and vwith the two fore fingers couer the pan lid for the sparkes, and shall open the same

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vwithout bending him self towards it, bringing handsomely the peece to his mouth, like as this figure shevveth.

In the 10. howv he shall present the peece, from aboue downevards, and not from beneath opvards, to the ende he doe no harme te his fellowve, that goeth a fore him, (if by chaunce the peece vvent of) and also that the bullet that can not alvvayes (espcially in tyme of hafte) be rammed in, do not fall out.

In the 11. howv he shall set the peece against his brest and present it, bowve his head, hold vp the right elbowv, and stand right and fast vvith his bodye, and because the peece shall be set against the brest and not against the shoulder, shall set the bodye to it: moreouer howv he shall bowv in the knee the left legge, that must stand before, and hold styf and strong the right, legge that must stand behind, to the end he may bothe the better gouerne and discharge his peece, as also accomodate, him selfe in the presentinge of it.

In the 12. howv he shall (having shott) take the peece oderly from his cheeke, and hold it vp least he should hurt his fellowve if the peece (fayled before) should chaunce then vnavvares to goe of.

In the 13. howv vvith the same fingers vvhere vvith he set the match in the cock, he shall handsomely take it againe avvaye, not pluckinge or tvvitchinge it, as also, that by such vnheedynes he put not the coale of the matche out.

In the 14. howv he shall ioyn the match againe betvvixt the fingers vvhere he hath had it out at the setting of it vp, holding still the peece vpvards.

In the 15. howv he shall blowv out the panne standing yet open, and having shot of the peece, because (if any sparck should be remaying therein) the tutch-boxe doe not take fire at the putting in of neevv powder, and so hurt him self, making (to vvinne tyme) in the meane vvhyle the tutchboxe readie.

In the 16. howv he shall put the powder in the panne out of the tutch-boxe, and not out of the charges or flaske, for not to loofe tyme in drawving or turning of the same, holding in the meane tyme the peece vpvards, for the reasons a fore said.

In the 17. howv he shall put to the panne vvith his fore finger, like as this figure shevveth.

In the 18. howv he shall cast or shake the powder or cornes of from the panne, if any might lye vpon it, because the peece shall not goe of, vvhen he shall come to trye the match.

In the 19. howv he shall blowv of againe the powder, al though he haue shaken it of, for more assurance.

In the 20. if he vvill charge againe, howv he shall turne the peece vvith the left hand, vvich to do handsomely, he shall convaye it vvith the right hand vnder tovwards the left side.

In the 21. howv he shall lett the peece sincke by the left side, and vvith the right hand take the flaske or bandelier.

In the 22. howv he shall open the charge of the flaske, or els if he doe vveare a bandolier, he shall doe like as is shevved by the Musquettiers.

In the 23. howv he shall put the powder out of the greater flaske, holding alvvayes the peece from the ground, if he be able to doe it.

In the 24. howv he shall vvith a turned hand drawv the skovvring stick out of the stock, and hold the peece from the ground, like as this figure shevves.

In the 25. howv he desiring to take the skovvring stick shorter in his hand, shall turne the end of the same (vvhich is the end that furst he pulled out) and thrust it to his bodye, slippinge the hand quickly to the neather end, to bringe it the better and the steadyer into the peece and if he vvill shoote vvith a bullet he shall take the bullet vvith the same hand (vvherevvith he novv hath the skovvring stick shorter) out of his mouth or from thence vvhere he carrieth his bullets, and vvith like quicknes put it into the mouth of the peece.

In the 26. howv he shall vvith the skovvring-stick ramme in the powder and the bullet together, holding alvvayes the peece from the ground, like as this figure shevveth.

In the 27. howv he shall vvith the in syde of his hand turned from hym drawv the skovvring stick out of the peece, holding alvvayes the peece from the ground.

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In the 28. howv he shall (to take shorter the skovring-stick) thrust the same againe to the bodye, as is taught before.

In the 29. howv he shall (having the skovring-stick vnder and the end) surely and vvith speede put the same in the stock againe.

In the 30. howv he (desirous to take the peece againe in the right hand) shall bring the same first vvith the left hand before him, like as this figure sheweth.

In the 31. howv he shall vvith the right hand take the peece belovve vnder at the great skruce, and hold it vpvvards, being readye to laye it againe vpon his shoulder.

In the 32. howv he shall vvith one hand lay the peece againe vpon the shoulder, being very readie vvith the other hand, to hold it fast there vpon.

In the 33. howv he having the peece vpon his shoulder, going to be sentinell shall hold and carye it againe, like as is sayd at the first figure.

In the 34. howv he standing sentenell and vvill make him readie, shall vvith one hand take the peece from the shoulder, as is taught before.

In the 35. howv he standing sentenell, and having taken the peece from the shoulder, shall receiue it in the left hand.

In the 36. howv he (standing sentenell having the peece in the left hand) shall hold the right arme or elbowv somvvhat from hym vvith his hand at the Seer, and the stock against the right hippe, like as this figure teacheth.

In the 37. howv he (standing sentenell) shall hold and gouerne the peece in ballance in the left hand, for to haue the right hand at libertye.

In the 38. howv he (standing sentenell) shall vvell and orderly take the match out of the left hand vvith the thumb and second finger.

In the 39. howv he (standing sentenell) shall bring the match vvith the thumbe and second finger towards the mouth, and blowv it of, holding in the meane time the peece in ballance in the left hand.

In the 40. howv he (standing sentenell) shall vvith the thumbe and second finger Cock the match, vvithout skruing the same in, as is taught before.

In the 41. howv he (standing sentenell) shall vvith the thumb and second finger guide and conveniently trye the match.

In the 42. howv that he (standing sentenell that vpon any sodeine occasion he maye be readye) shall vvith the tyvo foremost fingers couer the panne, to prevent the falling of any sparkes, provided alvvayes that his match be light and Cockt, ready to discharge.

The vvords of Command.

By vvich the Captaynes shall command theyr Souldiers orderly, all vvhat they haue to doe vvith the peece. VVhich vvords also agree by order vpon every figure.

1. Shoulder your Peece and marche.
2. Vnshoulder your Peece.
3. And vvith the right hand hold it vp.
4. In the left hand take your Peece.
5. In the right hand take your matche.
6. Hold vvell your match and blowv it of.
7. Cock your match.
8. Try your match.
9. Blowv your match, and open your pann.
10. Present your Peece.
11. Give fire.
12. Take dovvne your Peece, and in the left hand hold it vvell.
13. Vncock your matche.

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14. And

14. And ioyne it againe betvixt your fingers.
15. Blovv out your pan.
16. Proyme your pan.
17. Shur your pan.
18. Shake of your pan.
19. Blovv of your pan.
20. Turne about your peece.
21. And to your left side let it sinke.
22. Open your charges.
23. Charge your peece.
24. Your skovvring-stick dravv out.
25. Your skovvring-stick take shorrer.
26. Ramme your powder.
27. Your skovvring-stick dravv out your peece.
28. And take it shorrer.
29. Put vp your skovvring-sticke.
30. VVith the left hand bring forvvard your Peece.
31. And vvith the right hand hold it vp.
32. Shoulder your Peece.
33. Hold your Peece vvell vpon your shoulder, and marche to the place of garde.
34. Vnshoulder your peece.
35. And in the left hand let it sinke.
36. Hold your Peece vvell.
37. VVith the left hand alone hold your Peece.
38. In the right hand take your match.
39. Blovv of your match.
40. Cock your match.
41. Try your match.
42. Garde your pan and stand readie.

Generall Command.

Hold vp the mouth of the Peece.

Here to must a Comandour looke, and alvvayes haue his eyes vpon his Souldiers, and vse them to hold the Peece alvvayes vpvvards, for to prevent all mischief.

SHORT E INSTRVCTION FOR THE FIGVRES; SO

MVCH AS CONCERNETH THE RIGHT VSE OF MUSKETT FOR THE YONGE OR INEXPERT SOULDIER, VVHICH INSTRVCTION DOETH ORDERLY AGREE VVITH THE CYPHER LETTERS OF EACHE FIGURE. AND BECAUSE THERE BE SOME FIGURES OF STILLSTANDINGHE POSTURES HERE AFTER ANNEXED, AS FOUND FIT FOR SENTINELS TO VSE, TO SHEVV HOVV A SOULDIER IN TYME OF NEEDE SHALL STAND READIE VVITH HIS MUSKET IN THE MUSKET REST, THEREFORE ARE THE SAYD INSTRVCTIONS FOLLOWVING APPROPRIATED TO EEVERY FIGURE ACCORDING TO THEIR NUMBER.

MUSKETTIER.

First of all is shevved to every Muskettier, how he shall handsomely carye his Musket and his Musket rest, That is to saye: that he having the rest in his right hand, shall at every pace vvhhen he goeth, set it forevvard in the earth, having a fore hand made a little string at it, for to trayle the same if need be, letting the Musket come vvvith the skruie (vvhich is fast by the Seer) close to the shoulder, the hand about the hollovve or thumplace, and the matche burning or kindled at bothe endes, betveene the tvvoo smalest fingers, of the same hand, letting the same hange dovvn at the inside of the stock, because he may put it vp at all occasions (if need be) and to vve the one and the other ende by changing, shall also alvvayes besides flaske or charges, haue a tutch boxe vvvith tutchpouder, to put onely out of the same the pouder in the panne.

In the 2. figure is shevved, how he shall in an other maner carye his Musket rest, vvhhen he vvill make him readie to shoote, that is to saye, he shall carye the rest close to the Musket in the left hand, letting the rest (so farre als the Iron is) come about the hand, like as this figure shevveveth.

In the 3, how he shall, vvhhen he vvill take the Musket from his neck let the Musket rest sinke a little through the left hand vvvithout help of the right hand, and together vvvith the right hand alone, easely take the Musket from his shoulder, and take hold beyond the great skruie, because the Musket is there (in regard of his vveight) lighter, letting the same sinke a little in the left hand, vvvithout bending the bodye to it.

In the 4, how he shall hold vp the Musket vvvith the right hand onely for to receiue the same vvvith the rest in the left hand, that is: he shall not let the Musket fall in the other hand, but shall meet it vvvith the left hand, and ioyne the same betvvixt the thumbe and the rest handsomely.

In the 5, how he shall hold the Musket vvvith the rest in the left hand onely, and that the Musket be neither to highe nor to lowe, but in ballance, and haue his right hand free, setting the elbowve for the more strenght, against his hyppe, vvvithout trayling the Musket rest, onles the souldier vveare to vveake or to vvearye.

In the 6, how he shall vvell and readily take the matche out of the left hand vvvith the thumbe and the second finger holding euer the Musket in a due height.

In the 7. (having taken the matche betvvixt the thumbe and second finger) how he shall bring the match to the mouth and blowv it of vvvithout hovvinge hym to much tovvardes it.

In the 8, how vvvith the thumbe and second finger he shall orderly cocke the match, and not skruie it in, hauing before directed the vvideneffe of the cocke to the thickestesse of the matche.

In the 9, how he shall handsomely trye and gouerne the matche vvvith the thumbe and second finger to the ende he maye presently set it higher, lower, longer or shorter.

In the 10, how he shall blowv of the match and together vvvith the tvvoo fore fingers couer the pan lidde (for feare of sparkes falling therein) and also open the same handsomely.

In the 11, how having layde the Musket in the rest (keeping alvvayes the mouth of it at a reasonable height) setting the left legge before and the Musket rest so me vvhat forvvard, he shall be then readie to present.

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In the 12. howv he shall present vwell and hold the Musket and the rest in the left hand, bearing the right arme or elbowv somvwhat vp and turning a little the bodye to the left side, the left knee bowed and the right legge straight, and this not onely for fashions sake, but also that the Muskett may be helde and shott of the surer. Besides must be regarded that vwhen he vvill present, he set the Musket hard (not against the shoulder) but against the brest: for it is so more gracefull besides he shall not laye his cheeke to the stocke before he haue set the Musket to his brest, because it hath other vvayes no grace, much lesse can he shoote surely but to the contrarie for the most part stubbers it ouer in haste.

In the 13. howv he having discharged shall trust the Musket a little forvard, take vp the rest and hold the same vvith the Musket in the same hand, and not trayle it, onles he vvere to vwearie holding alvvayes the Musket vp, for feare of hurting any man, if the Musket should chaunce not to haue gone of.

In the 14. howv he shall oderley take the matche out of the cock vvith the same fingers he put it in, not pluckinge or snatchinge it out for feare of deadinge the coale.

In the 15. howv he shall ioyne againe the match betvvixt the fingers vvhere he hath taken it out, and euer hold the Musket in a meet height.

In the 16. howv he shall blowv of the sparkes, if any be remayned in the pann, to the ende the tutch-boxe do not take fire, vvhen he vvill put powder in it, vvhere by he might hurt him self, having in the meane tyme the tutch-boxe in the right hand, for to loose no tyme.

In the 17. howv he shall put powder in the pann out of the tutchbox, and not out of the charges, because the charges are dravvne to and fro in charginge, and that is a great hinderance to the quicknes required in shooting.

In the 18. howv he shall shutt the panne vvith the fore finger like, as this figure shevveth.

In the 19. howv he shall cast the tutch powder from the pann lidde, to the ende the Musket doe not go of vnadvisedlye vvhen he comes to trye the match.

In the 20. howv he shall blowv the powder of the pann lidde if any vvere remained there on, for more assurance.

In the 21. howv (to charge againe) he shall turne the Musket vvith the rest guydinge, or as it vvere, steeringe the same at the loover part or end vvith the right hand tovwards the left side.

In the 22. howv he having turned the Musket shall let the same sinke to the left side and trayle the rest, and to doe it more convenientlye the right hand must presently succour the left.

In the 23. howv he shall trust open the charges vvith the tumbe, trayle the rest and hold the Musket from the ground, if he be able.

In the 24. howv he shall charge the Musket out of the charges, letting the Musket rest yet trayle, but no vvaye sufferinge the Musket to come to the ground, if he be not to vwearie.

In the 25. howv he shall vvith a turned hand dravv the skovvringstick out of the stock, traylinge the rest but not the Musket.

In the 26. (desirous to take shorter the skovvring-stick) howv he shall thrust the same (turned) against the bodye letting the hand slippe hastely to the neather ende for to bring it the surer in the Musket and if he vvill shoote vvith a bullet, he shall vvith the same hand that tooke shorter the skovvring-stick, take speedely the bullet out of his mouthe or place vvhere he vsually carrieth them, and so let it fall or roule into the Musket.

In the 27. howv he shall vvith the skovvring-stick ramme the powder and bullet together in the Musket trayling still the rest but not the Musket, if he be strong ynough.

In the 28. howv he shall vvith a turned hand dravv the skovvring stick out of the Musket againe, trayling the rest but the Musket from the ground, if he be able.

In the 29. howv (to take the skovvring-stick shorter) he shall set the same againe to the bodye, as is sayd before.

In the 30. howv (having the skovvring-stick vnder at the ende) he shall put the same surely and speedely againe in the stock.

In the

In the 31. howv (desiring to take the Musket againe in the right hand) he shall first bring it forward vvith the left hand, like as this figure shevveth.

In the 32. howv he shall take the Musket againe vvith the right hand at the great fkrue and hold it vp, letting the Muskett rest (vvhich is yet trayling) come forward the lenght off the string, to make it come readely in the left hand.

In the 33. howv he shall lightlye vvith one hand laye the Musket vpon the shoulder, and yet in the meane tyme hold the rest.

In the 34. howv he, having layd the Musket vpon the shoulder, shall againe carrye and hold the same, as is alreadye sayd.

In the 35. howv he (desiringe to make him readye, standing sentinell) shall vvith one hand againe (as is sayd) take the Musket from the shoulder.

In the 36. howv, vvhen he is in his place of sentinell and vvill fashion him felse to his posture or garde, he shall laye the Musket in the rest, like as this figure teacheth.

In the 37. howv (being nowv sentinell, and the Musket laye in the rest) he shall bear his right arme or elbowv from hym, holding his hand at the Seer, and keeping the stock of the peece close to his right hippe: like as this figure shevveth.

In the 38. howv he, standing sentinell, shall hold before hym the Musket in the rest, so that he (having the Musket in ballance) maye governe the same vvith the left hand onely, and haue free the right hand: as this figure shevveth.

In the 39. howv he (standing sentinell) shall take the match vvell and convenientlye vvith the thumb and fore finger out of the left hand.

In the 40. howv he (standinge sentinell) shall vvith the thumb and fore finger bring the match to his mouth and blowv it of vnder the hand, holdinge in the meane tyme the Musket in due ballance vpon the Rest, and that vvith the left hand onelye.

In the 41. howv he (standing sentinell) vvith the thumb and fore finger shall cocke the matche vvithout skruyng the same in, as is said before.

In the 42. howv he (standinge sentinell) vvith the thumb and fore finger shall guyde and trye the match handfomelye, holding (as is sayd) the Musket still in ballance.

In the 43. howv he (standing sentinell to be readye in tyme of need) shall stand vvith his matche cockte and the panne garded (for feare of sparkes) vvith the two fore fingers.

The vvords of Command.

VVhere by the Capitaynes shall orderly comand theyr Souldiers all vvhat they have to do vvith theyr Musket and Musket rest, vvhich vvords are also agreeing by ordre vvith every figure.

1. Marche vvith the Musket rest in your hand.
2. Marche, and vvith the Musket carye the rest.
3. Sinke your rest and vnshoulder your Musket.
4. Hold vp your Musket vvith the right hand and let it sinke in the left.
5. In the left hand hold your Musket and carye your rest vvith it.
6. Take your match in the right hand.
7. Blowv of your match and hold it vvell.
8. Cock your match.
9. Trye your match.
10. Blowv of your match and open your pann.
11. Hold vp your Musket and present.
12. Give fire.
13. Take dovne your Musket and carye it vvith your rest.
14. Vncock your match.
15. And put it againe betvvixt your fingers.
16. Blowv your pan.

17. Proyme your pan.
18. Shut your pan.
19. Cast of your pan.
20. Blovv your pan.
21. Cast about your Musket.
22. Trayle your rest.
23. Open your charges.
24. Charge your Musket.
25. Dravv out your skovvring-stick.
26. Shorten your skovvring-sticke.
27. Ramme in your powder.
28. Dravv your skovvringe-sticke out of your Musket.
29. Shorten your skovvringe-sticke.
30. Put vp your skovvringe-sticke.
31. Bring your Musket forvard vvith the left hand.
32. And hold it vp vvith the right hand and recouer your rest.
33. Shoulder your Musket.
34. March and carye your rest vvith your Musket.
35. Vnshoulder your Musket.
36. Lay your Musket in the rest.
37. Hold your Musket on the rest.
38. Hold your Musket in the rest, and vvith the left hand onely in ballance.
39. Take your match in the right hand.
40. Blovv of your match.
41. Cock your match.
42. Try your match.
43. Garde your pann, and be readie.

Generall Command.

Hold vp your Musket.

And in regard it is a matter of no small consequence, a comandour shall alwayes haue a speciall care and eye to his Souldiers to accustome them to hold euer the Musket vvith the mouth vp, the better to pccuent all mischieff.

BRIEF INSTRUCTION UPON THE CONTRACTIONS, CONCERNING THE RIGHT USE, OF ALL what a Souldier needeth to know in handling of the Pike, for the yonge or vntrayned Souldier, vvhich instruction agreeth by number vwith every figure in order.

PIKEMEN,

IN the vsing of the Pike is first shewved vnto the Souldier howv he (standing still) shall hold the Pike before him, gouerne it against the thumbe and take it vp in three tymes, That is to saye: he shall not (for comelynes) set it vwith in or vwithout the right foote, but iust before him in the same line: vuell vnderstanding that he is not bound to set the right foote alwayes before. His arme he shall hold not stretcht out butt a little bended and his hand about the height of his eyes.

In the 2. figure is shewved, howv, before the first changeinge of his holde, he shall vwith the right hand lift the Pike a little from the ground and take it sodainely againe vwith the left hand tovvardes the neather ende, leauinge so much lengthe belowve as he can aftervvardes reach vuell vwith the right hand, like as this figure doth teatche.

In the 3. howv he, before the second changeinge of hold, shall lift vp the Pike vwith the left hand and quickly vwith the right hand take the same at the ende.

In the 4. howv, before the third changeinge of hold, (having ioyned the Pike vwith the left hand against the right arme) he shall gouerne the same against the sayde arme and carry it vp, or advanced.

In the 5. howv (havinge carried the Pike advanced) he shall set the same dovne vpon the ground againe in three tymes, like as before, that is: he shall let the right hand vwith the Pike sinke a little together, and for the first changeinge of handes, vwith the left hand take the same vpvvards, like as this figure teatchet.

In the 6. howv, to change the second hold, he shall let the Pike sinke vwith the left hand and vwith the right hand quickly take the same heigher, like as this figure shewveth.

In the 7. howv, at the third changeinge of holde, he shall gouerne the Pike vwith the right hand onely and set it againe vpon the ground, as is taught in the first figure, and if he vvill then laye the Pike vpon the shoulder, he shall doe that againe in three tymes, as followveth.

In the 8. place is shewved, howv, before the first changeinge of holde (havinge the Pike in the right hand) he shall let the same fall ouer a little against the thumbe and presently take it vwith the left hand close to the right hand, like as this figure shewveth.

In the 9. howv he (before the second changeinge of hold) shall bringe the Pike forevvard vwith the left hand and vwith the right hand take hold backvvard, the more handsomely and gracefully to lay the Pike on the shoulder.

In the 10. howv he (in the third changeinge of hold) shall carye the Pike levell vpon the shoulder, hold the right arme vp and the thumbe against the pike, not onely for fashions sake, but because he maye gouerne and carye the same the better.

In the 11. howv he shall carye the Pike slopinghe to avoyd the danger of hurting on an other vwhen they marche close: and in the next figure shall be shewved howv he (carrying the Pike levell or slopinge) shall let the same sinke vwhen soever he vvill come to porte or othervvayes charge the pike, and howv he shall set the same at three tymes againe vpon the ground, and desiring to laye the same vpon the shoulder, shall doe it at three tymes, as is taught before, But vwhen he carrieth the Pike advanced he shall charge the same at one tyme.

In the 12. howv he (before the first changeinge of hold) shall take the Pike vwith the left hand speedly as farr as he (standinge right) can reach, liftinge the same vwith the left hand vp from the shoulder, the better and vwith more ease to be able to cast the Pike ouer vwith the sharp ende before.

In the 13. howv he (before the second remoovinge of his hand) having brought the Pike vvith the sharpe end before, shall take the same vvith the right hand vnder at the end and lettinge it sinke handfomely dovvnevards, shall so the more conveniently passe through the porte.

In the 14. howv he (at the thirde tyme) shall duely charge the Pike, the right arme stretcht out, havinge the same vvell in the right hand, setting the left elbove fast against the hippe, and shall be taught howv he shall set dovvne the Pike againe at three tymes or motions.

In the 15. howv he (before the first changeinge of hands) vvith his right hand shall put dovvne the butt ende of the Pike, the better and more easelye to rayse the sharpe end of the same.

In the 16. howv he (before the second changeinge of hand) shall take holde of the Pike vvith the right hand (about the left) so farr as hee easely can reache.

In the 17. howv he shall at the thirde tyme, sett the Pike dovvne to the ground, guyde it against the thumbe, and hold the same vvell as is sayd at the first figure, and shall in the tvvo next figures beshevved, howv he carrying the Pike vp or advanced, shall charge the same at one tyme onely, but because in the former figures is sufficiently taught howv he (the Pike standing dovvne) shall take it vp againe, it shall therefore be needlesse to demonstrate it againe vvith the figures, but thus much shall serue onely for remembrance.

In the 18. howv, havinge at three times (as is sufficiently sayd heretofore) taken the Pike from the ground and the butt end in his hand, he shall guyde and carrye the same advanced in the right hand against the same arme.

In the 19. howv he (havinge the Pike advanced) shall take the same vvith the left hand higher and at the same tyme charge vvithall, but if he desire to set the Pike dovvne againe, he shall doe it as is taught by the figures before. But if, having charged the Pike) he vvould carrye the same againe advanced, he shall doe it in one posture or motion.

In the 20. howv (standing at a porte at the marchinge in or out of any men) he shall hold the Pike at the point like as this figure shevveth.

In the 21. howv he (trayling the Pike) shall hold the same close at the point and set the right hand about the hippe fast to the bodye, and if he vvill charge or other vvayes carrye the same, then he must (as it vvere) measure the Pike by palmes, handling it vvith convenient distance, like as the tvvo next followving figures shall shevv.

In the 22. howv (before the first changeinge of hands havinge first so farr as he could put forvvard the Pike vvith the right hand) he shall (bendinge him self a little) palme or hand-on the same speedly, takinge it still from beneath or belowve.

In the 23. howv he (palminge forvvard) shall bringe the Pike vvith the left hand yet more forvvard, havinge brought the right hand vvich vvvas the foremost before, to be novv behynde vpon the second change of the hande.

In the 24. howv (havinge brought the Pike (by palminge) forvvard to the end and having the same sure in his hand) he shall charge the same: but if he vvould in the former manner (that is traylinge) carry the sayd Pike, lett hym by the sayd manner of palminge) bring the same backvvard againe. Here is to be considered that (although there be but tvvo palminge figures here set dovvne, vvich some might take as if it vvere sayd that iust in three remooves of the hande the Pike could be charged yet is not that our meaninge, but that followving the example of those tvvo palming figures, the learner must knowv that he is to palme or hand the Pike (by shifting hands) so long till he haue recouered the lower or butt end of the Pike into his right hand.

In the 25. howv he (expectingt horsemen) shall set the Pike against the right foote and drawv his svword ouer the left arme, like as this figure shevveth.

In the 26. howv, marchinge vvith the Pike vpon the shoulder, he shall conveniently turne hym self to the left hand (if need be) and charge the Pike backvvard in three motions or remooves of the hand.

In the 27. howv he (before the first changeinge his hold or remooue of his hand hauinge first vvith the right hand advanced the Pike from the shoulder) shall at the same tyme take hold of it some vvhat forvvard vvith the left hand, because in so doinge he maye more easely lifte the Pike ouer his head.

In the

In the 28. howv (havinge the Pike over the head in the left hand and already turned hym selfe to the left side) he shall (for the second remooving of hold) take the same vvith the right hand vnder at the end.

In the 29. howv (as is sayd before) he shall the thirde tyme charge the Pike backvvard and stand turned about. The three follovinge figures shall shevve howv he shall turne him selfe in three motions, and also howv he shall stand or marche, like as is seene in the 26. figure.

In the 30. howv he (before the first remoovinge of the hand) shall reach and take the Pike farther vvith the left hand and prepare him selfe to turne.

In the 31. howv (having already turned hym selfe to the right side) he shall lift the Pike over his head vvith the left hand and receave or take the same somevvhat more backvvard vvith the right hand.

In the 32. howv he (for the thirde tyme) shall carry the Pike againe in the right hand vpon the shoulder sloped, leuell or advanced, if need be.

And seeinge experience teacheth, that the souldier can not speedely nor handsomely change the ordre of his Pike, but through knowldge howv to handle and hold the same vvell, therefore are there, for his better instruction, certayne vvords of command hereby annexed together vvith the tymes of changeinge or remoovinge of the hands, vvich doe altogether agree both vvith the rules of instruction, as also vvith the Cypher numbers allotted to ech seuerall picture, to the ende that the Captaynes may shevv or theatch their neevv vntrayned Souldiers the handlinge of the Pike after this manner, I meane so much as is necessary for their vse, but havinge once obrayned the handlinge, the Souldier shall be then exercised vvith the vvords of command onely, vvich vvords are set here after apart and vvithout the distinctions of tymes, such as here immediatly follovv.

The vvords of Command. VVith the tyme of changeing of holde.

1. Your Pike standing downe advaunce in three tymes or motions.

2. the first
3. the second } Tyme or Motion.
4. the thirde }

Order your Pike.

5. the first
6. second } Motion.
7. thirde }

Shoulder your Pike and carrye it level.

8. the first
9. second } Tyme.
10. thirde }

11. Slope your Pike.

Porte your Pike.

12. the first
13. second } Tyme.
14. thirde }

Order your Pike.

15. the first
16. second } Motion.
17. thirde }

Advance your Pike in three Tymes or Motions.

b

18. These

18. These three haue but one figure marked vvith the number 18. because the other two are shewved before. 2. 3.
19. Charge your Pike in one motion.
20. Cheeke your Pike.
21. Trayle your Pike.
- And palming your Pike charge
22. Not bound to doe this in three motions,
23. or tymes, as is sayd in the instruction
24. numero 24.
25. Charge your Pike at the right foote and dravv your svword.
26. Your Pike being shoulered charge backvvard in three tymes.
27. the first)
28. second } Tyme.
29. thirde }
- Right to your order and your Pike slope.
30. the first)
31. second } Motion.
32. thirde }

The vvords of command in generall, after vvhich the Captaynes shall see theyr Souldiers exercised vvhen the Souldier is come so far that he can handle his Pike as becommeth, it is then to be vnderstood that for orders sake these vvords followvinge (so farr as is needfull) are set dovvne agreeinge to the former vvhich haue theyr reference to the Pikemen, exceptinge some only vvhich in the order of the Pike doe the same action that hath bene shewved inough by the figures vvith their tymes or motions. Also that at the first command, vvhere is sayd aduance your Pike, it is spoken to the first figure, that standeth still in order vvith his Pike sett dovvne, and the better to prevent all confusion, must be remembered that euery manner of carryinge or charginge of the Pike must be done apart, and no other begonne or taken in hand till the first be done and the Pike set dovvne in order againe. To vvhich purpose this generall command shall be vsed or observed.

Order your Pike.

Words of Command.

VVith out theyr tyme of changeinge holde.

Aduance your Pike.
Set dovvne your Pike.
Shoulder your Pike.
Leuell your Pike.
Slope your Pike.
Porte your Pike.
Order your pike.
Aduance your pike.
Charge your pike.
Order your pike.
Cheeke your pike.
Order your pike.
Trayle your pike.
Charge your pike.
Order your pike.
Charge your pike against the right foote and dravv your svword
Order your pike.
Shoulder your pike.

Charge

Charge your pike backward.
Right to your first order.
Slope your pike.

And although these vvords of commandd follovve after this manner because the Pike must alvvayes be sett dovvn againe, vvhere by is thought that the Souldiers cann the sooner learne the perfect or fast handlinge of the same, yet is not the meaning that a man should be just bound to it alone, but he maye asvvell beginne at the middest or any other place, as vvell as at the beginninge to doe the Comands, and that as occasion serueth, vvwhich standes in the discretion of the expert Captayne or Commandour.

**WITH PRIVILEGE
OF THE EMPEROVRS MA^{TYE}. THE
FRENCH KINGES, AND THE LORDS ESTATES
of the Vnited Provinces &c.**

VVhere of the contence is such.

NO man of vvhat qualitie or cõdition soeuer he be, shall vndertake to contrefaiçt this present bocke of the exercise of Armes, or any vvhere els contrefaited- (sell the same, vvith in theyr Empire Kingdome or Landes, in the tyme of eight yeaes follovvinge, be it in small or great, in parte or vvhole, neither the vvritinges nor the figures, nor the order kept in this vvorke, any vvayes to follovve vvithout expresse consent or leaue of Iacob de Gheyn vpon payne of losse of all the contrefaiçt vvorke, and three score pound sterling besides, as more plainly is to sene in the principall letters giue here of vnto him, &c.

A remembrance for the Bookebindere.

THe vvritinges are (as also the figures) dealt af in three sundry partes, as Calivres, Muskets and Pikes, and shall be bound-in after this fashion: The vvrytinges of the Calivres before the figures of the same, and the other vvritinges likevvise, eche before theyr ovvne figures.