<page>045r</page>

<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f95.image</image>

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<id>p045r\_1</id>

<head>Loading an arquebus with a <m>hail shot</m> </head>

<figure>

<id>fig\_p045r\_1</id>

<link><https://drive.google.com/open?id=0B9-oNrvWdlO5bkhmQklfNHJoRnc></link>

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<ab>It is necessary to make a <m>wooden</m> pipe 4 or 5 fingers wide that is perfectly hollow, according to the mouth of your barrel, of the form represented in A. Then, having cut some <m>paper</m>, which has to be as strong as that of large printed books, in the form indicated in D and as wide as you want your cartridge to be long, wrap the <m>paper</m> around the baton B and at the top, where the pointed tip F will be around the aforementioned <m>paper</m>, and the cartridge will be formed. But, in order to make the bottom more uniform, put it into pipe A, then introduce baton B and, in the other end of the pipe, which is marked G, insert baton C and pack so as to compact and press the folded tip of your cartridge, then take it out, and load it, put three or four <fr>drageons</fr> or tears. Then, with a punch, marked E, of the same caliber of your arquebus or pistol, punch round pieces on <m>cardboard</m> or <m>felt</m> or <m>waxed cloth</m>, and put this round piece into your cartridge, and push it until the <fr>drageons</fr> with the baton B, the more <fr>drageons</fr>, 3 or 4, then a round piece. And continue like that until the cartridge is full, then put it into the arquebus. If you want your hail shot to scatter earlier, make round pieces out of <m>paper</m>. If you want it to reach further without scattering, make the piece out of <m>cardboard</m>. If you want it to reach even further, make the round piece out of <m>waxed cloth</m>, or either of <m>leather</m> or <m>felt</m>, and a piece of <m>waxed cloth</m> on the top. And if you make the cartridge in part with <m>waxed cloth</m> or <m>waxed paper</m>, it will reach one hundred paces and will make a big piercing, and the <m>pellet</m>, barely scattering, will produce a big opening. But if you make your cartridge with <m>waxed cloth</m> or a material stronger than <m>paper</m>, one ought not to make it so long in the square coming to a point like in D, because it is enough that it wraps around twice. In this manner, the <m>hail shot</m> barely scatters and makes a big piercing in a door, body of a cuirass, or other.</ab>

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