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<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f53.image</image>

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<head>Grenades</head>

<ab>Grenades should be made from the finest metal you can find, for there is fine metal and rough metal. Fine metal is that of a big bell, because one puts in more <m>copper</m> to give it a bigger voice, &amp; for small bells one puts more <m>tin</m> to give it a <del>bigger</del> clearer sound. The metal of a big bell is made with 3 quintals of <del>one</del> <m>rosette</m> &amp; twenty or xxv lb. of <m>tin</m>. <del><fr>Tan</fr></del> Each grenade must weigh four to six lb. In order to throw them, it is necessary that they be full of powder mixed with coarsely pestled glass. And for a quarter lb. of powder, half an ounce of glass is necessary which is put with it, in order that on the face or places where the powder will have its effect, the wounds will be all the worse for it. The best arquebus powder is required here. The hole needs to be as large as the thickness of a swan's quill, &amp; there is no need to make it threaded, it is enough to make it even. Next, you make a pipe of well-soldered <m>fer blanc</m>, which can enter into the hole &amp; enter into the middle of the grenade &amp; which comes out of it by the width of one finger. You will fill it with good powder, pestled in a mortar &amp; lightly mixed with good <m>eau-de-vie</m> or strong <m>vinegar</m> <del>which seems. And when</del>. This is done to compact the powder. And to know if it will be slow enough to allow leisure to throw the grenade without danger, try this powder thus bathed in another pipe. You can keep <del><fr>d</fr></del> your loaded grenades in a very dry place, &amp; on the contrary you shall keep your pipes filled with that bathed powder compressed in a humid place. And nonetheless, you shall have some already inserted into <del>the</del> grenades, so that you are always equipped. And every 3 days you shall change them if you recognise that they have become too dry. To throw your grenade, take it bravely <del>&amp;</del> in one hand &amp; with the other give fire to your pipe with <del>the</del> a match, &amp; throw it quickly amidst the <del>powder</del> troops. The thickness of the grenade should be twice the back edge of a knife.<lb/>

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