<page>085v</page>

<image><http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f176.image></image>

<div>  
<id>p085v\_1</id>  
<head><pro>Founder</pro></head>

<ab>They mix <m>beaten egg glair</m> with <m>earth with which they make the first layer of the <fr>chappe</fr> of pieces, &amp; bells, &amp; all other pieces</m>, saying that the said <m>glair</m> makes it come out <del><fr>d</fr></del> neatly, &amp; makes it settle, &amp; seats the substance. In the <fr>noyau</fr> for a small work, <m>glair</m> is also good.</ab>

<ab><m><fr>Rosette</fr></m>, to come out neatly, wants the <tl>mold</tl> to be a little hot &amp; <m>lead</m>, which was also mixed with the <m><fr>rosette</fr></m>, similarly for small pieces.</ab>

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<div>  
<id>p085v\_2</id>  
<head><tl>Mortars</tl></head>

<ab>It is necessary that they be of the finest substance possible, such as <m>copper for cauldrons</m>, which is better than <m><fr>rosette</fr></m>, in order that it sustains the blow better.</ab>

<ab>Also the <tl>mortars</tl> for pestling are stronger &amp; less in danger of breaking if they are of <m>fine copper</m>. And for a <env>private home</env>, they do not <sn>ring</sn> so much &amp; do not carry as much <sn>noise</sn> as those of <m>metal</m><comment>c\_085v\_04</comment>. It is true that those that are of <m>metal</m> have more of a <sn>ring</sn> for the <pro>apothecaries</pro>.</ab>

<ab>Grenades must be of <m>fine metal</m></ab>

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<id>p085v\_3</id>  
<head><m>Sand from a <env>mine</env></m></head>

<ab>It wants to be well reheated for <m>great metals</m>. Some burn it in the <tl>furnace</tl> until it is very black, and grind it finely on <tl><m>porphyry</m></tl>. Others burn it with <m>asphaltum</m>, @but when it is too burned, it does not mold so neatly, because it does not have body, and is too lean. You can give some with <m>tripoly</m> or <m>burned felt</m>.</ab>

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<id>p085v\_4</id>  
<head>Sand experiments</head>

<ab>I have experimented with <m>sand from <pl>Th<exp>oulous</exp>e</pl></m>, &amp; after having reheated it well, twice, in a <tl>skillet</tl>, I passed it through a <tl>fine sieve</tl>, like <tl>the <pro>apothecaries</pro>’ double</tl>, without finely grinding it further on the <tl><m>porphyry</m></tl>, as I have done previously. I moistened it with <m>wine boiled with <pa>elm</pa> root</m>, and molded with it a large piece of a portrait of <pn>Jesus</pn>. I found it easy to release, without having it to knock on it <del><fr>Jen</fr></del> &amp; molded neatly with one side in relief, &amp; on the other in cavity, &amp; of the <ms>thickness of a coin of forty <cn><fr>sols</fr></cn></ms>. I cast very hot</ab>

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<m>Sand from a mine</m>, well chosen &amp; well reheated, is the most excellent of all, without looking for any other mixtures, because it receives all <m>metals</m>. It does not want to be used hot, because it makes things porous. The most finely ground for big works is not the best, because it does have enough body to withstand</ab>

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