<page>085r</page>

<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f175.image</image>

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<id>p084v\_4</id>

<ab>to rest on a <tl>very clean &amp; smooth table</tl>, &amp; since it is desiccative, I knew it would dry out <del><fr>lor</fr></del>, what I let it do in order to reduce it to powder, &amp; molding it with sand, once broken up with my <tl><bp>fingers</bp></tl> &amp; the sharp edge of a <tl>knife</tl>. I <m>oiled</m> my medal because <m>oil</m> cleans it without spoiling it. <del>And</del> And having dried it &amp; cleaned it with a <tl><m>linen</m></tl>, &amp; <tl>small bristle brushes of <al>pork</al></tl>, I once again lightly <m>oiled</m> it with <m>clear <pa>walnut</pa> oil</m>, &amp; gently passed a <tl><m>linen</m></tl> over it, so that it does not remain too <m>oiled</m>, and I noted that, in this way, it would come out better in release, because the <m>ceruse</m>, once moistened with <m>water of egg glair</m>, would not attach to the <m>oil</m>. This worked very well and I molded a medal of high relief very neatly, without making any stickiness, which a lot of good sands, such as <m>felt</m>, <m>burnt bone</m> &amp; <m>iron dross</m>, had failed to do on the first try. I reheated it &amp; my <tl>mold</tl> became hard like <m>marble</m>, and I realized with this, that sands for molding high relief should be well moistened with some <m>water</m>, which gives them body &amp; compactness, like <m>egg glair</m>, <m>gummed water</m>, <del><fr>ea</fr></del> <m>wine boiled with <pa>elm root</pa></m>, &amp; and lightly <m>oil</m> the medal, it withstands as many castings as you wish, for it is as hard as <m>glass</m>. But even <m>soft lead</m> &amp; <m>brittle tin</m> <del><fr>v</fr></del> want to be cast very hot.</ab>

<ab>Since then I have realized that this sand, even though it is excellent &amp; endures many castings &amp; molds very neatly, it is however fat and makes things porous. This, <m>soft lead</m> <del>and the</del> does not come out so well. But try to mix it with a <m>lean sand</m>, such as <m>pumice</m>, <m>flakes</m>, &amp; similar things, to give them body, &amp; so that they release better. For <m>lean sands</m> barely release well and yet they receive <m>metal</m> well.</ab>

<ab>  
<margin>left-top</margin>  
Try to mix <m>ceruse</m> or <m>minium</m> with other sands.</ab>

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<m>Oil</m> &amp; smear with <m><pa>aspic</pa> oil</m>, which will go away when reheating, for the <m>oil</m> makes it porous.</ab>

<ab>  
<margin>left-middle</margin>  
One ought to moisten with <m>glair</m>, then mix it well. And once in the <tl>frame</tl>, beat it on top with a <tl>pestle</tl>, or other proper thing, for this makes it mold better and release better. </ab>

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It would be good to fill the <tl>frame</tl> all at once, for the mixture, made of several sands with <m>the one of the <env>mine</env></m>, with which you fill the <tl>frame</tl>, corrupts it.</ab>

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<div>  
<id>p085r\_1</id>  
<head><m>Green varnish</m> for medals of <m>copper</m></head>

<ab>Having casted them very neatly, cover them with <m><fr>sel de verre</fr></m> that we use for sand, &amp; moisten it, &amp; in three or 4 <ms><tmp>days</tmp></ms> it will be green. Oil them after &amp; keep them under the <m>dung</m>.</ab>

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<div>  
<id>p085r\_2</id>  
<head><m>Glue</m></head>

<ab>The <pl>Flemish</pl> reglue their <tl><m>earthen</m> pots</tl> with gold color, that is to say <m>minium</m>, <m>massicot</m>, &amp; <m>varnish</m>. </ab>

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