<page>132v</page>

<image><http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f270.item.r=></image>

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<id>p132r\_2</id>

<ab>cool by itself. When it begins to redden, it is soon red everywhere. But make sure, through the gate, that it is red at the bottom &amp; that nothing appears black.</ab>

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<id>p132v\_1</id>  
<head><m>Common sand from the <env><fr>mine</fr></env></m></head>

<ab>In a <tl>frame</tl>, if one casts hot, it becomes porous, therefore one only needs to dry it out.</ab>

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I have tried to make the <tl>molds</tl>, where it is mixed, not crack during reheating, &amp; thus not make flaws.</ab>

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It is better made with <m>distilled vinegar</m>.</ab>

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<id>p132v\_2</id>  
<head><m><la>Crocum ferri</la></m></head>

<ab>Having <del><fr>d</fr></del> passed it through <m>vinegar</m> &amp; reddened it in the fire, I had it finely ground on <tl>porphyry</tl>, until no roughness was recognisable on the <tl><bp>nail</bp></tl>. Then, I wet it with <m>very good vinegar</m>, &amp; <del><fr>a</fr></del> <corr>’</corr> left it two or three <ms><tmp>days</tmp></ms>, stirring it <tmp><ms>several times each day</ms></tmp>. Finally I boiled it, &amp; reddened <del>in</del> the <tl>pot</tl> &amp; <m><la>crocum</la></m> all together in the <tl><fr>four à vent</fr></tl>. It came back in a mass full of small bubbles, but that can be pulverized very finely between the <tl><bp>fingers</bp></tl>. I put some in the sand, <del><fr>a</fr></del> <ms>half</ms> as much as <m><fr>alum de plume</fr></m>. I wet the sand quite thinly &amp; molded out of it a <al>very small lizard</al>, which molded very neatly &amp; delicately &amp; very finely. The <m><la>crocum ferri</la></m> did not render the <tl>mold</tl> harder, but it firmed it. And when your <tl>mold</tl> is <fr>douls</fr> &amp; fat, when scraping it with a <tl><bp>nail</bp></tl>, it is a sign that the <m><la>crocum</la></m> is good, very fine &amp; well prepared. The quantity cannot spoil the <tl>mold</tl>, because it is a friend to <m>gold</m>. And I believe that <m>silver</m> would come out well. And that the <tl>mold</tl>, through this means, does not crack. <rub>Make it from <m>filings of needles</m></rub>.</ab>

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One can put some amongst the <tl>molds</tl>, where you want to cast <m>silver</m>, for it firms the <tl>molds</tl>, and you will find it so, by scraping a little harder than the other where there is none. It molds very neatly.</ab>

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This one is appropriate for all <tl>molds</tl>, &amp; keeps them from breaking &amp; bursting in the fire. And for flat medals, it withstands several casts. The one of <m>steel fillings &amp; needles</m> is redder &amp; better.</ab>

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<div>  
<id>p132v\_3</id>  
<head><m>Gilding</m> animals cast in <m>silver</m></head>

<ab>You can <m>gild </m>them with <m>amalgam</m>, without spoiling any of the features, if they are made of <m>silver</m>.</ab>

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