<page>084v</page>

<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f174.image</image>

<div>  
<id>p084v\_a1</id>  
<head><m>Sand</m></head>

<ab>I tried the <m>bone of oxen <add>feet</add>, very burned &amp; pulverized</m> &amp; ground on <tl><m>porphyry</m></tl>, until it <sn>is not felt between your <tl><bp>fingers</bp></tl></sn>. It molds on its own very neatly. But because on its own it is very arid &amp; lean, it wants to be well moistened &amp; dampened with <m>wine boiled with <pa>elm</pa> root</m>.</ab>

<ab><m>Iron dross</m>, <m>well burned bone of <al>oxen</al> feet</m>, <m>felt also well burned</m> over a closed fire, and all three very well ground on <tl><m>porphyry</m></tl> mold very neatly in <m>lead</m>, without needing to be reheated a lot, &amp; casting <del><fr>le</fr></del> <add>in a</add> hot or cold <tl>frame</tl>.</ab>

<ab><m>Felt</m> alone molds very neatly once moistened &amp; releases well, and also makes the other two release.</ab>

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<margin>left-top</margin>  
These sands only withstand one casting.</ab>

<ab>  
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A <m>fat sand</m> which is rendered very smooth, makes it porous.</ab>

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<ab>A <m>fat metal</m> needs <m>lean sand</m>.</ab>

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<div>  
<id>p084v\_a2</id>  
<head><m><fr>Eau Magistra</fr></m></head>

<ab>Some people think that <m>salt water</m> is not good, because the <m>salt</m> cracks in fire, &amp; consequently should make it porous. a result causes bubbles. There is only <m>wine boiled with <pa>elm</pa> root</m>.</ab>

<ab><m>Charcoal for <fr>poncer</fr></m> makes for a good release, but one finds <m>the one of <pa>willow</pa></m> make it porous. <m>The one of <pa>oak</pa> or <pa>beech</pa></m> does well without making it porous.</ab>

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Try <m>burnt <al>oysters</al></m>.</ab>

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<div>  
<id>p084v\_a3</id>  
<head><m>Lead</m></head>

<ab>For casting, there is only <m>soft lead</m> that wants to be cast very <del><fr>g</fr></del> hot, and <m>soft tin</m>.</ab>

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<div>  
<id>p084v\_a4</id>  
<head>Sand for <m>lead</m>, the most excellent of all, for high and low reliefs</head>

<ab> I took <m>ceruse</m> and crushed it dry on <tl><m>porphyry</m></tl>, to make it very fine, then I moistened so much, with <m>well beaten egg glair</m>, that it was like a paste, smoothing it perfectly with the dull side of a <tl>knife</tl>. I left it a little. </ab>

<ab>

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One ought to mix it well with a <tl>knife</tl>.</ab>

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