<page>083r</page>

<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f171.item</image>

<div>  
<id>p083r\_a1</id>  
<head>Sand @ for <m>lead</m></head>

<ab><la>Recipe</la> <m>grey soot from the furnace of the <pro>silversmiths</pro></m>, <m>quick lime</m>, and flour,<ms><gk>ana</gk></ms>, moistened according to the art, being the finest possible.</ab>

<ab>  
<margin>left-top</margin>  
The <m>grey soot of <pro>locksmiths</pro></m>, which is held in the <tl>forge</tl>, is very fine once ground, molds very neatly, &amp; releases very well.</ab>

</div>  
<div>  
<id>p083r\_a2</id>  
<head>Sand for <m>copper</m> medals</head>

<ab><la>Recipe</la> <m>hat felt burnt</m> <add>over a covered fire</add>, <m>dross of iron</m>, &amp; <m>burnt bone</m>, all of which ground very finely &amp; crushed &amp; watered with <m>saltwater</m>; &amp; make a paste of it &amp; mold it, &amp; wipe it over a <m>straw</m> fire. <add> @ These three sands, pulverized and very finely ground on <tl><m>porphyry</m></tl>, mold well, and I think that separately each of them is very good. <m>Burnt hat felt</m> molds very neatly and releases very neatly.</add></ab>

<ab>  
<margin>left-top</margin>  
<m>Plaster</m> molds very neatly but it becomes porous. <m>Bone</m> has scarcely any body unless it has <m>iron dross</m>. <m>Felt</m> makes it release. </ab>

</div>  
<div>  
<id>p083r\_a3</id>  
<head>Another sand</head>

<ab> <m>Charcoal of <pa>vine</pa> shoots</m> &amp; <m>clay earth</m>, <del><fr>bien recuitte &amp; </fr></del> <add>well</add> <tl>sieved</tl>, as much of one as the other, &amp; join them together with <m>well-beaten eggs’ glair</m>, then calcine in the <tl>furnace</tl>, &amp; to use it, moisten it with <m>vinegar</m>.</ab>

</div>

<div>  
<id>p083r\_a4</id>  
<head>Another for <m>lead</m></head>

<ab><la>Recipe</la> <m>finely crushed slate</m>, &amp; <m><del>calcined</del> pumice stone</m> mixed together. Calcine them in a well covered <tl>pot</tl>, &amp; thrice stoppered over a good fire, &amp; each time moisten them with <m>varnish</m>.</ab>

</div>  
<div>  
<id>p083r\_a5</id>  
<head>Another</head>

<ab><la>Recipe</la> <del><fr>p</fr></del> a <m>tile little baked, ground</m> &amp; moistened in <m>white wine</m> with <m>burnt black <fr>trasse</fr> paper</m>; &amp; if you add <m>burnt <al>horse</al> dung</m>, it will be all the better. Moisten with <m>egg glair</m>.</ab>

<ab>  
<margin>left-bottom</margin>  
<m><fr>Trasse</fr> paper burnt</m> over a closed fire is reduced just as <m>charcoal</m> &amp; very soft black, molds neatly &amp; makes it release well mixed with the others.</ab>

</div>

<div>  
<id>p083r\_a6</id>  
<head>Excellent sand</head>

<ab><m>Alabaster calcined</m> in a <tl>crucible</tl> over <m>charcoal</m> fire, so that, touching it, it turns into powder. Once cold, pulverise it finely &amp; pass it through a <tl>double sieve</tl> &amp; and render it as if impalpable. And <del><fr>d</fr></del> with one <ms>lb</ms> of <m>alabaster</m>, one needs one <ms><figure>℥</figure></ms> of <m>sal ammoniac</m>. Mix well &amp; incorporate everything together, then put them in a <del><env>cellar</env></del> <env>cellar</env> or a <env>damp place</env>. And with this paste, mold what you will need, &amp; next dry the <tl>mold</tl> in the fire, &amp; cast whatever you wish, while the sand is hot; &amp; you will cast as neatly as the main one, &amp; the sand can still be used by placing it in a <env>damp place</env> &amp; drying it in the fire.</ab>

</div>