<page>142v</page>

<image>http://gallica.bnf.fr/ark:/12148/btv1b10500001g/f290.image</image>

<div>

<id>p142v\_1</id>

<head>Molding <al>grasshoppers</al> and things too thin</head>

<ab>If you have a written paper to mold, which is too thin, after you have made the first cast &amp; it has set, give a little thickness to the reverse of your <m>paper</m> with melted <m>butter</m>, which is the most appropriate means there is, &amp; for fortifying the wings of either a <al>butterfly</al> or a <al>grasshopper</al>, or some delicate part of an animal to which you need to give thickness. But take heed to apply this melted <m>butter</m> underneath the wing or in whichever place it cannot be seen. For giving thickness to a pansy or other flowers, <m>butter</m> is not good, but rather <m>wheat oil</m>, which is soon dry &amp; holds firm. <m>Wax</m> would not be appropriate here for it is too hot once melted, &amp; it makes the thing to which it is applied contract. But <m>butter</m> is amiable and handleable.</ab>

<ab><margin>left-top</margin>If you write on <m>paper</m> or on common <m>carton</m> &amp; that your letter is with <m>gum</m>, the humidity of the <m>clay</m> slab or the wet sand for <fr>noyau</fr> will moisten your letter &amp; undo it. Therefore write with <m>cinnabar</m> wettened with <m>oil</m>, on oiled &amp; impress.</ab>

<ab><margin>left-middle</margin><figure>+</figure>Reheat your molds with <m>charcoals</m>,firstly lit in the forge, in order that the fire is not so hot &amp; does not break the molds. And do not make as much fire where the mold is thin, like in the place where it is thick.</ab>

</div>

<div>

<id>p142v\_2</id>

<head>Molds</head>

<ab>Make some notches, with these, that enter more in the inside of the mold than on the outside, for in this way, they have more strenght. Keep from reheating in on go &amp; in a too ardent fire, for this makes them <del>melt</del> break.</ab>

<ab><margin>right-middle</margin>Do not keep them in a humid place, nor enclosed, if they are not well dry, for they will mold. The dried animals as well.</ab>

<ab><margin>left-middle</margin>@One ought not to reheat the molds two times when the animal can be taken away without burning, as do <al>toads</al>, which can very well be molded hollow like all thick animals. However, it is always good to redden the mold once.</ab>

</div>

<div>

<id>p142v\_3</id>

<head><m>Lute</m> for <m>luting</m> your molds</head>

<ab>I have not found one that is made more quickly than this one, nor better. Take this lean <m>earth</m> of which the <pro>founders of artillery</pro> &amp; <pro>bell</pro> make their <fr>trusseaulx</fr> and molds, which is lean &amp; sandy. Wet it <del>e</del> moderately like a very thick <m>mortar</m>. Mix in it about half <m>horse dung</m> &amp; then have it beaten well. Next, mix in a third part of discarded <m>cloth waste</m> or <m>cloth shavings</m>, and beat it again quite strongly. You can reheat your mold as soon as the <m>lute</m> is placed.</ab>

</div>