which goes to the hindmost part of the Body, and with a
curvytity bends a little upwards again. In the breast and gut
the blood is without intermission moved with great force, and
especially in the Gut, and that with such strong beatings
downwards, and with such a retrocourse and contradiction of
the gut, that a curious Eye cannot but admire that motion.
In the upper part of the crooked ascending Gut, which is very
fright, now and then a little blood crowds thorough, which
returns not back (and here, I presume, is a little value:) The
blood, that is thrust through here, stands still, and soon re-
ceives another nature, becoming of a watery colour; and in
this watery liquor there do appear some blackish sandy par-
ticles, having a confused motion, which grow in bigness, and
being grown so great as sand is to our Eye, the said particles
joyn themselves close and firm together, as it were, in one mass,
and then shoot down to the anus, carrying with them, in case
the Lowse have much Blood in her body, a little aqueous
blood. These excreted particles appear like the excrement
of a Silk-worm.

Sir Samuel Morelands Undertaking for raising of Water.

Whereas the Common and received opinion through
England and all Europe hath been and is, That, if a
given Weight will force up water 20 foot high, there must be
more than twice that weight to force it up 40 foot, and more
than thrice that weight to force it up 60 foot, and so by a Ge-
ometrical proportion in infinitum: And likewise, that a Bar-
rel of a Pump, 6 inches wide, doth not require a pipe, through
which the water must be drawn up, above 1½ inch, or two
inches, at the most, in diameter:

Sir Samuel Moreland undertakes to demonstrate, 1. That
he will force Water 60 foot high with treble the weight that
shall raise it 20 foot, and so proportionally in infinitum.
2. That by how much wider the Barrel is, in which the Forcer
works, than the Pipe through which the water is forced up, by
so much is the Engin pressed with unnecessary weight.