

of your Museum has
at least the dates on so

I trust it will be fit

to receive its contents

before long.

Believe me

Yours very truly
Edward B Tylor

University Museum.

2193
1886
Feb. 18 1886

Dear General Pitt-Rivers

The enclosed
rough tracing & particulars
of the Baskirs' Tatars'
water-will which is like
those we saw in the Lewis,
has been done some time.

But I kept it waiting
in order to send with
it a curious old-fashioned
kind of padlock which
an old man still sells
in the Oxford cattle-market.
It seems however that the
maker is ill, for after

repeated trials I have
failed to find him,
so I send the water-mill
paper by itself. There
is another Asiatic mention
of the upright horse mill
but I cannot for the
moment find it. The proof

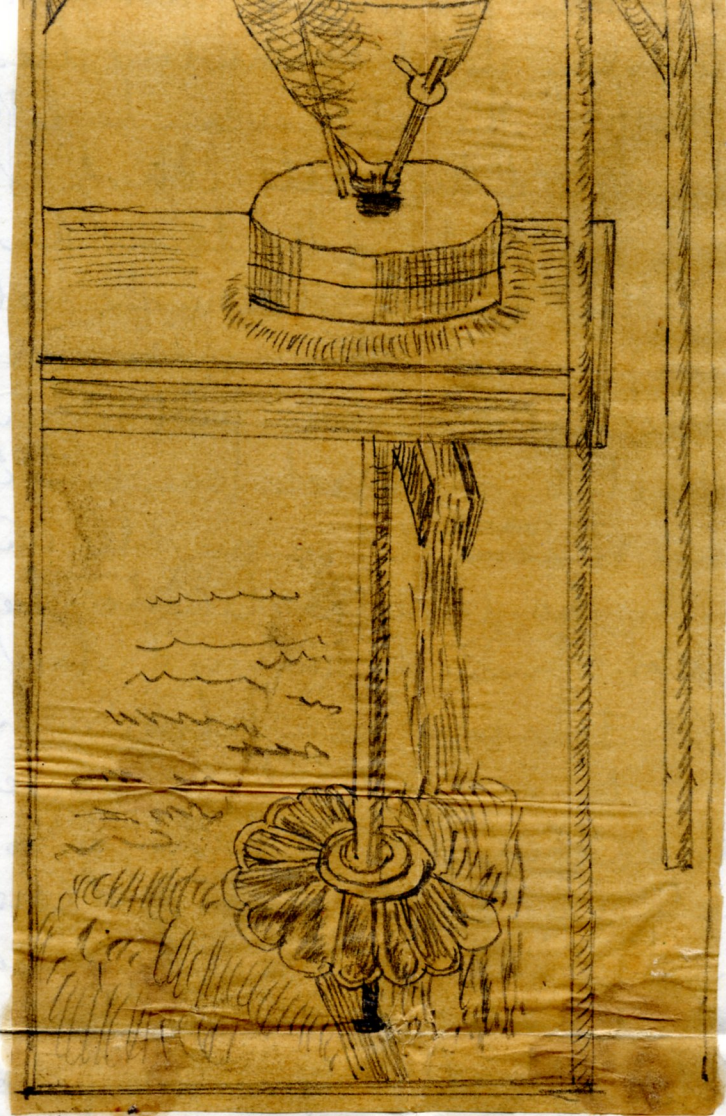


PLATE I.

Pallas, Reise durch verschiedene Provinzen des
Russischen Reichs. St. Petersburg 1771-6.

Part II, p. 45.

Bashkir village on brook Kulnäk, saw one of these mills, afterwards saw many; he describes it briefly as being quite peculiar and an invention of the Bashkirs themselves. To spare themselves trouble they seek the smallest brooks, weave a fence of wickerwork which they plaster with earth, and therein or with a regular little dam of fascines they dam the brook. On the dam they build on posts a little hut, in which on a platform standing free in the middle like a table and with a border the millstones rest. These are pieces of stone but round plates hewn out of a hard pool or log, into which many flat iron nails are driven, without regular

order, but so that they are all directed with the length of their projecting part from centre to circumference. The wooden water-millstone lies immovable on the platform, the upper can be lifted, and is turned by the axle of the mill wheel which projects through the centre of the lower disc and with an iron elbow ^{catches in} a slot in the hollowed centre of the upper disc. This axis is usually so shaped out of a tree that the lower part is heavy like a round thick club, in which can be ^{like spokes on a cart wheel} worked a number of wings or ~~arms~~ ^{vanes} flat on one side and somewhat hollow forming the water-wheel. Below the club-part is driven an iron spindle, by means of which the perpendicular axis, resting on a beam below in the brook revolves. The water is directed by a wooden channel from a small opening in the dam, on to one half of the wheel so as to fall on the hollow side of the vanes, thus the wheel, the axle, & the upper mill-disc in the best mode round. To ~~stop~~ ^{stop} the mill it is only needful to stick a long pole between the vanes of the wheel. Others lead the water through a movable conduit, to which they give another direction and can thus bring the mill to a standstill. The corn to be ground into groats or coarse meal is poured into a funnel of boards, the opening of which has a short horizontal channel directed to the central opening of the upper mill-disc. The grain-bin is hung moveably on the cross-beam of the mill-house, and a stick bound thereon which with one end touching the upper mill-disc gives the necessary shaking motion to shake down the corn. If the Baskir wishes to leave the mill for a short time, or to stop the corn from falling into the mill, he simply takes away this stick, and I doubt if any mechanic could invent a simpler water-mill (Plak I)

1195

Then he has done with his
fine Theologian with come with
a collection of prominent books &
keep odd scraps of barbarous
conglomerate like some other devices
& respected people. I hope Mrs
Tylor is well & that you are
none the worse for the barbarous
order of your undervalued
company at Callington.

Yours very truly

A. P. Rivers

Rushmore,
Salisbury.

March 1. 86.

Dear J. Tylor.

Many thanks for sending me the
drawing of the Bushken Watermill.
It is very interesting both in its resemblance
& its variation from the horse mill we
saw. The fact of their supposing it to
have been invented themselves does
not convince me that it was so, and
the illustration is a likely one for
the Watapont to have spread, the account
does not speak of an attempt to
convert to run the upper millstone for
the purpose of grinding fine or coarse
but the drawing evidently applies to me

~~When~~ when they had such an arrangement
does exist as in the water mill, I have
got my horse mill set up in a little
house similar to the one we saw it in,
and I have found near here an old
mill in a frame with apparatus
for grinding fine & coarse like the
Scotch ones.

I have been much amused with papers
on Genesis between Hudson Bussey &
others. ^{in the manuscript letter} Nothing better than Bussey's
papers ever appeared in punch.

But what are we to think of a leader
of men like Hudson Bussey allowing himself
to be ~~so~~ speared & quizzed about like
an india rubber doll in the
hand of a Bussey. simply by inability
to realize his own ignorance, was ever

egotism so punished before. As to
Professor Drummond's theology, we
must all have been theologians all our
lives without knowing it. I don't see how
by his philosophy the Bible differs from
other good books, or why parts of
Shakespeare should not be taken out
& incorporated with it, parts of the
Bible expunged & burnt or sold in
Hollywell St with french letters & the
new book brought out as an improved
version of the Bible. If the Bible is
only part of the collection of human
ideas there is the evidence of inspiration
in one class of them beyond another
They are not the arts & sciences
with mechanics unambiguously inspired
I believe that Professor Drummond