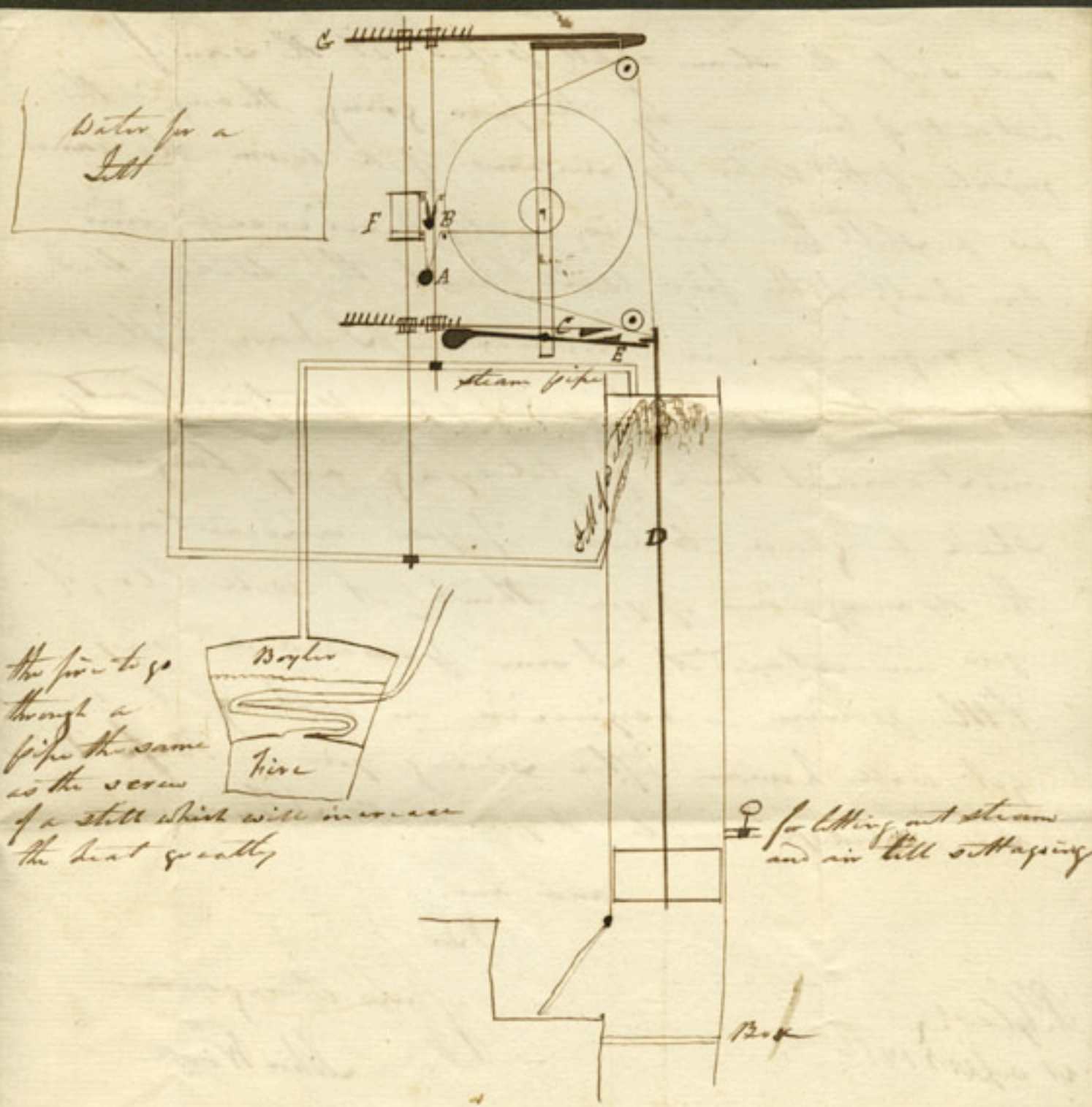


A
Mr James Dinwiddie
at Mrs Millars Skinners Close
head of Cannongate
Edinburgh.

Geo. Mack
21 Apr 1786

POST
OFFICE



I Sir

The drawing that I promised to send you
 had fallen by it was done agreeable to the above
 sketch which I suppose you will understand by
 looking a little at it if not I shall endeavour
 on explanation — the ~~spring~~ ^{spring} ~~D~~ in ascending winds
 up the weight or spring ~~A~~ — in the situation it is just
 now ~~B~~ should be represented as wound up by the
 descending of the spear ~~D~~ — and when ~~E~~ rises ~~C~~ the
 weight or spring ~~A~~ descends and opens the Jet
 Pipe & shuts the steam pipe at the same Instant
 the springs or weight ~~A~~ & ~~B~~ act on the Piston
~~F~~ which by means of the toothed rods ~~C~~ & ~~E~~ opens

and shots the steam & Jet pipes at the same
instant of time — by the fire going through the
middle of the water by means of a worm the same
as a still the heat is vastly increased and
one half of the fire will heat the water that
is required in common — I have left no
time before you to write you particularly
and I cannot think of delaying any longer
shall be glad to hear if you understand
the drawing and if you think it will do, if
you understand it I am persuaded very
little power is required in working it we
got well home after seeing you — Please send
me in Compliments to you & Mr Stevenson

and am
Dear

Yours at request
John Wood

P. Gyles?
21 Sept 1786