natural, founded in the highest wisdom, policy, and humanity, distated by principles of self-preservation, and exempt from the most distant imputation of severity or

unjustifiable caution.

Whatever further information I may be able to obtain, shall be duly communicated to your Lordship; and if your Lordship should think it expedient to order proper glasses and instruments to be sent, with fit directions how to proceed, in order to make the necessary discovery, they shall be most carefully pursued, and with that caution which the present jealousy of the country, in a matter so essentially affecting its commerce, requires.

With sentiments of prosound respect,
I have the honour to he, &c.

P. BOND.

The most important of the enclosures are as follows:

Information colletted by Mr. Bond.

A farmer in the county of Cheffer, of the name of Potts, stacked his wheat, of the growth of the last harvest (1788) at which time the Hessan sty had not been feen in or near that county; about fix or feven weeks after the harvest, he had occasion to thresh some of his wheat, and, with a view of preventing its feattering and wasting, he threw the slicaves from thorick upon 2 large sheet: When he took up the sheaves, to carry than to the threshing-floor, he perceived a great number of flies, answering precisely the description of the Hessian sty, lying upon the sheet, some dead, and others in a torpid state; from whence he concluded the fly had got a footing in his rick; but from any examination, either of the straw or grain, no trace of the eggs being deposited was difcovered.

About the 16th of August last, another farmer, of the name of Cleaver, in the same county, apprehending the fly might approach his neighbourhood this season, fowed some wheat in his garden; it grew to as to appear above the ground in less than a fortnight, when a violent north-east wind came on, and immediately afterwards he perceived small clouds of flies over and about the wheat he had fown. In a few days he examined the wheat, and found numbers of the flies had deposited their eggs in the heart of the main stalk, and many of the flies lay dead on the ground where the wheat was fown, and near it. From this farmer's observation, the flies must have entered the stalk at a very critical time, viz. while it was in that flate that there was an opening at the head of it, which enabled the flies to pais

into the stalk and deposit their eggs in the heart of it: This opening would have been totally closed in the course of another fortnight's growth, so as to have refished effectually the entrance of the slies into the stalk. Many of the eggs were found in the stalk, and some small white worms, poduced from other eggs, were lately discovered in the stalk, very near the root of the wheat; wherever these worms were sound, the whole of the individual stalk was perceptibly changed, in point of colour, tending to a yellowish cast, the top hanging down quite shrunk and withered.

In some of the blades of this wheat, which I picked and examined, I could perceive, upon minute examination, the eggs carefully deposited within the stalk, of a very small size, of a whitish colour, rather of a yellow tinge. Where the worm was formed, it was carefully wrapt up, surrounded by different coats of the shoot in which it lay, as if it had been skilfully and tenderly rolled up for its preservation; around it the stalk was plainly eaten away, fome nearly through. The worm strongly resembles the skipper in cheese, some what thinner and rather longer, of a whistish east.

Mr. Jacobs, a man of reputation, and a confiderable farmer, in the county of Montgomery, went, in company with Mr. Vaux, to enquire into the effects of the Hellian fly, in New Jersey and Long Island; and they have published their remarks in leveral of the Pountylvania news: papers; he gives precisely the same account of the egg and of the worm, as they are described in the last page; he has not yet feen the infect in its fly fate. From his observation, the egg is generally depotited in the theath or funnel, a little above the first joint; when the eggs are laid in the autumn or spring, they are unterly de-Arudive of the growth of the wheat; but when they are depolited fliorily before the harvest, the grain, or even the stalk, is scarcely affected, especially in rich grounds He is convinced this infect bears no resemblance to the wevil in the southern. parts of America, and that its egg is not deposited in the grain at all, but in the sheath or funnel generally, and sometimes on the outlide of the flalk : The egg, he lays, at first is very minute; it grows rapidly, becomes full and large, then turns to a brown hue, and in fize and colour is very like a flax-feed. He has a thorough confidence, that the yellow hearded wheat will withstand the attack of the fly; and thinks rolling and feeding the wheat of immense service.

(To be concluded in our rext.)

STATE