sult from this poison, since its action is so transient that believe, the longest time that tests have proved the preno time exists for their generation. With regard to the sence of the poison. This is on the authority of Mr. state of the heart, I think it may warrantably be asserted that, when death is rapid, its left cavities will be empty, as in apnaea, or death commencing at the lungs, and that when death is slow, all its cavities will be full, as in asthenia, or death commencing at the head. Another important fact, especially to the practitioner, is that the precipitate; all these are produced, apparently, in the irritability of the heart is rapidly exhausted. Hyperæmia of the gastric mucous membrane, is always to be expected, either universal or partial-continuous or intercepted, and possibly interspersed with white patches or The colour of the gall-bladder above alluded to, was, not improbably, due to the deposition of prussian blue. If so, it tends to prove that the latter is formed he appended. in the blood, and that the liver aids in depurating the The odour may be detected from natter of the former. several sources, and it is not impossible that it may be its solubility, if bulky in boiling, and if scanty in cold as ound in the chest, when absent every where else. Its spresence in the blood and internal cavities, shews that it has been absorbed into the vessels, and transmitted through the invisible pores of their parietes and neighbouring tissues.

Tests for the detection of Prussic Acid.—It has been said that they are useless if the body have been above ground for three, or have been cossined for seven days. That this is not invariably the case, will shortly appear.

The Odour.—1. As several observations have already been made concerning it, I will now merely allude to

three or four points connected with it.

peach blossoms, and leaves a peculiarly acrid sensation on the fauces. It is very similar to that of nitro benzine, and to a smell that is said occasionally to arise from the other a like amount of tineture of iron; in the first a viscera of those who had never taken Prussic acid. The chocolate brown, and in the last a blue precipitate will testimony it affords is most conclusive, if it be derived subside-prussiates of the respective bases. When opefrom the blood, or parts to which there is no access, rating on complex mixtures it is to be remembered that except by the circulation. It may not be appreciable if organic matters, heated in contact with an alkaline base the body have been long exposed before it is examined, or metal, will produce cyanogen. Nitrate of silver, if especially to the open air, or a shower of rain, or other added to a solution of the acid, detects pt. 1 of it in pts. small; if it be much diluted, decomposed, or predominated, it and held over the solution, pt. 1 of the latter in pts. enough to exhale it freely from the lungs. examined, while two of five witnesses declared they de- gen may be successfully instituted. tected it. According to Dr. Letheby, it was evident for twelve hours; and according to Mr. Davies, for seventeen then an excess of liquor potassæ, remove the grayish ro eighteen hours after death, about the mouths of C. W. green precipitate thus induced by sulphuric or muriatic Duckett, and E. Williams, whose cases have already acid, and after exposure to the air prussian blue will be been mentioned. Mr. Taylor (Elements Medical Juris- produced, visibly tinting the liquid by the intensity of its prudence, 1844,) believes seven days, after the taking of hue. Mr. Taylor says, "This test is peculiar to prussic and four or five days after the failure of chemical tests pts. 3840. These statements prove that it is ith less in the detection of the poison. Hence, as Orfila con-delicate than the former test. tended, the odour may detect prussic acid when chemi
3. Sulphate of Copper.—Supersaturate the liquid with cal tests fail to do so, twenty-three days after death, is, I potassa, then add sulphate of copper when a greenish

West, in the Provincial Medical and Surgical Journal, July 1845, who says, "I have distilled a portion of the contents of the stomach at this time, twenty-three days after the poison had been taken, and find the smell, the precipitate with nitrate of silver, and the prussian blue same degree as at first."

and an antiferror transfer of the contract of

The reagents employed in the chemical analysis of a liquid supposed to contain prussic acid, are the nitrate of silver, protoxid of iron, sulphate of copper, either alone or with tincture of guaiacum, and the sulpho-cyanid of To each of these, a few remarks will now ammonium.

1. Nitrate of Silver .- Induces a white precipitate, the evanid of silver, the properties of which are. - First, well as hot nitric acid. Second, its solubility in the volatile and fixed alkalis. Third, by heating it, the cyanogen entering into its composition will be evolved, which, when inflamed, burns with a rose-red coloured flame; and when imbibed by bibulous paper, wetted with a strong solution of the mixed oxides of iron and subsequently dipped in dilute sulphuric acid, causes a stain of prussian blue. Its nature may also be illustrated by the following procedure of Mr. Austin's (London Lancet, July 1846):-Mix the precipitate with a small quantity of oxid of iron and carbonate of potash; fuse them; dissolve the mass in 3ss. of distilled water, filter When the acid is diluted, the odour resembles that of and acidulate by a few drops of hydrochloric acid. Divide the solution into two parts, to one of these add a few drops of a solution of sulphate of copper-to the circumstances favourable to evaporation; if the dose be 7680 of liquid; but if a watch glass be moistened with over by other odours, and if the person have lived long 15360 of its menstruum will be detected. The least The follow- amount of cyanid of silver, from which a flame can be ing will serve to illustrate the period it may be persistent: obtained, is 1-10 gr., = 1.50 gr., anhydrous acid = gtt. ij. In a case reported by Mr. Norbland, he said it was of pharmacop. wial, or less than gtt. j. of Scheele's absent eighteen hours after death, when the body was When less than this the other modes of proving cyano-

2. Protoxid of Iron .- Add a protosalt of iron and the acid, to be the longest time that its odour has been acid and free from all objections." When added to a found. But this must only be considered as the mean solution of the acid it detected pt., of it in pts., 920 of duration; for Dr. Lonsdale, during his experiments on fluid; and when a watch glass was moistened with the dogs, experienced it for eight or nine days, post mortem, test and held over the solution of prussic acid, pt. 1 in