

same quantity, in bulk, of salt water taken up by him in the Mediterranean near Minorca, was found to be 13 grains heavier. Two decanters were afterwards filled, one with fresh, the other with salt water, their specific gravities differing in the above proportion, and the fresh water tinged with red colouring matter. The decanters being placed horizontally, and their necks closely luted, a gradual interchange of their contents was observed to take place, the fresh and coloured water making its way through the upper, and the salt water in a contrary direction through the lower, part of the necks; being a just representation of the upper and under currents, which are supposed to flow in contrary directions through the strait of Gibraltar.

ROYAL NAVAL ASYLUM.

THE Royal Naval Asylum has been transplanted from Paddington to Pelham House, in Greenwich Park, which has been for some time undergoing the necessary repairs and extensions, to render it at once commodious for the purpose of its intention, and ornamental as a public building. On the east and west, two capacious wings are added, connected with the centre building by handsome colonnades. The lower part of each wing is to be appropriated to the school rooms for the children, male and female respectively; the upper parts as dormitories for them, and the servants of the institution. It is proposed immediately to extend the whole number of pupils to 1000, from every part of the united kingdom. The boys are taught reading, writing, and figures; and, where their capacities display fitness, are to be instructed in navigation; and during the hours of relaxation, the elder boys are taught rope and sail-making; and they are to be instructed in the rudiments of naval discipline, by regular veteran boatswains. The girls are taught to read and write, and are instructed in needle work, and household industry. The building fills up the *vista* between both wings of Greenwich College, to which it seems to form an appropriate centre; and it is intended that the whole shall be immediately completed, for the reception of pupils, officers, &c.

CONTRASTED CONDUCT OF THE FRENCH AND SPANIARDS, AFTER THE BATTLE OF TRAFALGAR.

It was interesting to observe the different effect produced on the Spaniards and French by a common calamity. The Spaniard, more than usually grave and sedate, plunged into a profound