great leader is idolised for the day, and gets the thanks of Parliament as an august tribute to his merits. Young heroes are popular in ball-rooms, and even a private or non-commissoned, with brown features, bushy beard, and a collection of pewter decorations, gets an audience of his old companions at the corner of a street, or a passing glance of admiration from some members of "the upper classes." But the national jealousy of anything like military supremacy comes soon, and freezes the short enthusiasm.

The national jealousy is right, so far as it strikes at all attempts to give internal political power to military institutions. But there are two things which the nation owes to the soidier. Give him first fame and honours in due and permanent measure. Since, also, our wealtd-born fastidiousness will not tolerate the disagreables of war and soldier limited to the s fe to appear among us, surely we ought to pay the cost of that fastidiousness out of that wealth which generates it. Our requisitions on the soldiers forbearnes are not even limion the soldiers' forbearnee are not even limited to what may affect ourselves. We worthilly desire to mitigate the hardships of war all over the world—among our ennemies even, as well as among all neutral nations. To this end the object which war is so naturally apt to as sume—the object of private plunder—has been sternly put down. The Dnke of Wellington's great campaign in the Peninsula was a long resolute practical lesson against it on land and the abandonment of son against it on land and the abandonment of son against it on land and the abandonment of letters-of-marque was the abolition of its last offensive form at sea. Our policy of war is to strike at the heart, where the enemy may be paralysed and his power broken, with the least injury to life and property. This, however, is not the method of rewarding and enriching the soldier after old custom. Descents on marmed searouts, after Descents on unarmed seaports, after the fashion of our sea-king ancestors—maranding marches far away from the chief randing marches far away from the chief fortresses, among villages, country mansions, and rich religious houses—these are the forms of war which enrich the soldiers with plunder as the troops of Wallenstein and of Soult were enriched. Most worthily have we striven to suppress this curse—and with a success, crossed only by few exceptions. But again, why should the soldier be compelled to pay for our virtue—why not put our hand in our pockets and give him compensation, as we give it to some bloated jobber from whom we take an office where he is ution, as we give it to some bloated jobber from whom we take an office where he is useless, and worse? Let us not be misunderstood in the free use of a simile. It is not strictly compensation that we would ask for the soldier, for though he has his own faults, mercenary selfishness is not among them. But since we demand that he should conduct himself with propriety and decorum should be sedulously amenable to military discipling, and at the same time carefully discipline, and at the same time carefully observant not only of the rights, but of the tastes and prejudices of civilians—that he should be as kind, generous, and disinterested as he is brave—that he should ever suppress in himself the natural disposition to sovet other men's goods, for which he has so many temptations—that he should be moderate in the assertion of his own rights, and ever ready to admit and to protect those of our people—if all these demands on imper-fect human nature are to be concentrated upon him, then certainly we ought to treat him, not only with fairness, but with generosity and kindness, and, even for our own sakes, should do whatever can be done to raise his condition, remove temptation, and make the practice of the many virtues demanded of him not too difficult. We are the very nation on whon falls, before all the world, the function of raising the soldier's condition. We require from him higher qualifications than the rest of the world—we are in possession of a greater wealth, which imdregnates our social system with a habit of higher expenditure. What in others would be an act of difficult generosity, is to us one of easy justice.

The question of the nature and condition of the soldier among us is so large that volu-mes might be profitably written about it. Let us content ourselves at present with a slight glance at the department of the ques-tion to which we have already referred—the bearing upon it of that knowledge of sanitary economy which has lately been so fully developed. We shall state an antithesis of two examples—both by the way, earlier than the labours of the present race of sanitary e-conomists, but not on that account less instructive as an illustration of the resources of the science in the improvement of the army,

since it records a triumph, accomplished towords the other great department of our ar-

mament, the Navy:
We question if any: one can realise what we question it any one can realise what a ship of war was an hundred years ago. It was by looking from the quarter-deck down below that Johnson said one could "see the utmost extent of human misery—such crowding, such filth, such stench." This is vague, perhaps, and Johnson was a man with relentless prejudices, which he uttered hyrelentless prejudices, which he uttered hyperbolically; he exaggerated much when he said, "A ship is a prison, with the chance of being drowned; it is worse worse in every, respect worse air, worse food, worse company." One would not take Smollett: from his life and writings, to have been a fastidious man. He was our dear country man, but was re bound to admit that countryman, but we are bound to admit that our forefathers of his day had but faint notions of the importance of cleansing the pores of the cuticle, and scarcely enjoyed enlightened notions on drainage and ventilation. Nor did his wayward life give him many opportunities for correcting any deficiencies in his early training. When he was twenty years old, he held the office of surgeon's mate in the equation of Vernon against Carthagena in 1741. There can be little doubt that he has described with tolerable accuracy in Roderick Random his reception into the sphere where where where the property of the sphere where sphere where where his noble profession was to be exercised: "My friend Thomsom carried medown to the cockpit, which is carried medown to the cockpit, which is tue place allotted for the habitation os the surgeon's mates, and when he showed me their berth (as he called it). I was filled with astonishment and horror. We descended by divers ladders to a placed as dark as a dungeon, which I understood was immersed several feet under water; being immediately above the hold. I had so sooner approched this dismal guif than my nose was saluted with an intolerable stench of putrified cheese and rancid butter that issued from an apartment at the foot of the ladder, refied cheese and rancid butter that issued from an apartment at the foot af the ladder, rebling a chandler's shop, where, by the faint glimmering of a candle, I could perceive a man with a faint meagre countenance sitting behind a kind of desk, having spectacles on his nose and a pen in his hand. This, I learned of Mr. Thomson, was the ship's steward, who sat there to distribute provisions to the reversal messes; and to mark what each to the several messes, and to mark what each

The admirers of Smollett will have a pungent recollection of Roderick's fate, when he endeavoured to imitate that feat of the surgeon, which was achieved by creeping un-der the solid stratum of hammocks in the hospital, and cleaving his head through bet-ween them. We dare not conduct the reader furthur that the entrance of the hospitalit is far enough: "I assisted Thomson in making up his prescriptions; but when I followed him with the medecines into the sick berth or hospital, and observed the situation of the patients, I was much less sur-prised that people should die on board than that any sick person should recover. There I saw about fifty miserable distempered wretches, suspended in rows, so huddled one on another that not more than fourteen inches space was, allowed to each, with his bed and beding, and deprived of the light of the day as well as of fresh air, breathing but a noisome atmosphere of the morbid steams exhaling from their own excrements and bodies; devoured with vermin hat-

diseased bodies; devoured with vermin hatched in the filthy that surrounded them, and destitute of every convenience necessary for people in that helpless condition."

It was probably in such ships that Admiral Hosier's force died off every one of them, leaving the manning of the vessels to new recruits. Nay, it has been said that the complement of his fleet died twice over in lingering expeditions against the Spaniards, which it was his good fortune not to survive. But all this is merely introductory to the antithesis of two examples, showing the influence of sanitary neglect and sanitary exertion on shipboard, supplied by the vital statistics of two renowned voyages round the

world.

In our youth the narrative, by Walter, of Anson's Voyage round the World, was a book deservedly popular. Its author was not stamped in any of the fixed literary moulds of his age; indeed, his style would not have stood the test in Blair's Rhelorics. The charm of his book lies in the unconcious earnestness with which he tells the daily events of the voyage, and explains in his own vents of the voyage, and explains in his own way the feelings of the actors and sufferers. It is no inconsiderable testimony to the au-

hold on his reader's sympathy, that he com-mands it though a long continuous gloomy record of mortality, disease, and despondency. The interest is brought to a climax like the histories of the sighting of land by Colum-bus, when the survivors reached their destination—the fruitful island of Juan Fernan-dez, whence their boat returned laden with grass; "for though the island abounded with better vegetables, yet the boat's crew in their short stay had not met with them; and they well knew that even grass would prove a dainty, as indeed it was all soon and eagerly devoured." But alas! they were eageny devoured." But alas! they were far too late in reaching the land of promise and relief. The very possibility of landing was problematical. In one vessel, which, as the narrator says, had passed the Straits of Le Maire with between four and five hundred with between four and five hundred. dred men in health and strength, "the lieute-nant could muster no more than two quarter.masters and six foremast-men capable of working." These, assisted by the offi-cers' servants and boys, took two hours to trim the sails. When they sent 167 sick on shore, twelve died in the boats; and so ma-ny of those who reached land alive were beyond the reinvigorating power of fresh air, that for the first ten or twelve days there were six burials daily. The summation of the whole was, that when the plague was stopped, and the strength of the squadron was counted before leaving Juan Fernandez, was counted before leaving Juan Fernandez, of 961 men who had embarked in three ships, 335 were living and 516 dead. We hold this history of calamity to be peculiarly significant, because, along with some early similar misfortune of his own, it prompted a zealous, humane, and skiful commander to turn anxiously in his mind, whether it was the design of Providence that those who are down to the see in ships should find who go down to the sea in ships should find the common causes of mortality more deadly in their ravages, than the tempests of the sea or the casualties of battle. The matter was really one of great doubt. The writer we have just been quoting from, languidly remarked; that he "would not be understood to assert that fresh provisions, plenty of the sea water, and a constantly supply of sweet air between decks, are matters of no moment; but it was possible, he thought, that the freshest air might be rendered in mical to reshest air might be rendered immical to animal life. "by mixing with it some subtle and otherwise imperceptible effluyia?" and as an application of this hypothesis, he suggested for the consideration of the maritime world the consoling view, "that the steams arising from the ocean may have a tendency to render the air they are spread through less properly adapted to the support of the life of terrestrial animals unless these steams are corrected by effluyia of another steams are corrected by effluvia of another kind, which they alone can afford.? The solution of the question fell to Captain Cook. It was unkertaken very appropriately in a repetition of the achievement—the circumnavigation of the globe—which, by so calamitous an issue, had raised the doubt. He had gone on one unfortunate voyage; he determined that, if skill and ceaseless attention were of any avail, he should not have another. He pescribes at length his adjustment of the men's dietary, with the provision of antiscorbutics and other protective. viands. But in conjunction with fresh provisions and vegetables, and with a continual supply of fresh water to the men, the most material part of his arrangements probably was, that "proper methods were taken to keep their persons, hammocks, bedding, clothes, &c., contantly clean and dry. Equal care was taken to keep the ship clean and dry betwixt decks. Once or twice a-week she was aired with fires, and when this could not be done, she was smoked with this could not be done, she was smoked with gunpowder mixed with vinegar and water. I had also frequently a fire made in an iron pot at the bottom of the well, which was of great use in purifying the air in the other parts of the ship;" and so on. As our object is merely to afford a general notion of of the tendency Cook's arrangements, not to instruct future circumnavigators how to preserve their men, we need not quote far-ther. He gives, with becoming seriousness, the reason for enumerating the several causes to which, under the care of Providence, the long continued health of his crew was owing; and he had, indeed, full ground for thankfulness when he had to say, that, af-ter an absence of three years and eighteen lays, he lost but four men, and only one of

these by sickness.
We have dwelt somewhat on these two contrasted histories, because they show very

distinctly what we have already referred to—the existence of sanitary opinions and practice long before the existence of a school of sanitary philosophers. In fact, there can be no doubt that the potency of sanitary arrangements is as clearly proved as that hand one will be added to the production and area to be the sand area. bread no Cook's experiment could not but tell in the department in which he practised it; and a ship in her Majesty's navy is now a and a ship in her Majesty's navy is now a different place; indeed, from that which Smolett described it, after having served in the navy. Yet that there should remain so much sanitary's science still latent, affords uncomfortable evidence how slowly such improvements penetrate the crust of habit—how long they may remain unadopted, almost unknown, until they are borne in by some great pressure of public opinion—until, in short, a row is raised, and they are carried in the confusion by acclamation.

An old case in point has proved useful to us, moreover, as we do not desire to dwell us, moreover, as we do anot desire to dwell too largely on recent events. The public has supped full of horrors on the details that have been so profusely flaid; before them, about the sanitary condition of the camp in the Crimea, and the hospitals along the Bosphorus. There is generally, however, in evils, some one characteristic matter denoting a climar as the water for the force. evils, some one characteristic matter deno-ting a climax—as the wasting on the face of a rock may mark the highest level of a flood. Such was the nature of the vermin which appeared upon our men in the Rus-sian campaign. Of the lesser vermin which infest the human frame in filth or disease, we have all heard often renough—many of us may have seen them; some of us course, in consequence, of same: charitable mission among "the lower orders,"—may possibly have been subjected to the sanguipossibly nave-been subjected to the sangulary attacks of a solitary wanderer from the herd. It is unecessary to estimate the state of matters by the profuse supply of the smaller threads, since both in the field hospital at balaklava, and in the hospitals on the Bosphorus, the large and lothsome magget crawled everywhere, and fed on the sores of the wounded soldiers. A nurse who crossed to Balaklava, states, in her diary, that she took a quart of them off one man. Perhaps it may be stated as a paralled flood-mark of filth, a dead horse and hospital mark of filth, a dead horse and hospital dressings are attested to have been seen in the tank for supplying one of the hospitals with water. And so enough of this dismal piece of experience. We leave it subjoining merely the unimpassioned estimate by the Commission of Sanitary Inquiry of the causes and progress of the disaster, and the effect of the operations of Commissioners who were sent operations of Commissioners. who were sent out in winter to deal as best they could with the difficulties which they

With regard to the hospitals at Scutari and Kululee, the evidence shows that their unexampled mortality arose from other cause beside the severe type of disease. The drains of the hospitals were nothing better then cesspools, through which the wind blew sewer air into the corridors and wards. There was no ventilation; there had been little or no lime-washing; the ward utensils infected the atmosphere; the hospitals were overcrowded; there was an overcharged graveyard close to the general hospital; the number of sick admitted west on increasing: no sanitary improvements were effec-ted, and the mortality rose progressively

month by month as follows:—
There died 155 per 1000, tested from November 12 to December 9.

November 12 to December 9.

"179 "Dec. 7 to Janua. 10.

"321 "Janury 7 to Janry 31.

"427 "Feb. 1 to Feb. 28.

"During the month of Febuary, alhough the mortality rose so considerably, the number of sick in hospital, as well as the admissions, had fallen off; and the deaths on heard transports were only one-sixth part board transports were only: one-sixth part in January, showing that though the army was becoming more healthy, the hospitals were becoming more unhealthy the longer

they were used. About the middle of March the sanitary improvements in the hospitals were commenced. During the three weeks preceding the 17th, the deaths were 316 per 1000 treated, and in the following five periods of three weeks each, the progressive fall was: as follows :

as follows:—.
There died. 144 per 1000, treated from March 18 to April 8.

" 107 " April 9 to April 29.

" 52 " " April 29 to May 20.

" 48 " " May 20 to June 10.