der or Claston's advence in immediate pur suit would at once have changed the aspect of affairs, but one was too indolent and the other too stupid; the event favored the during, although it displayed utter ignorance of the art of war by the United States General, as he give his adversary ninety nine chaces out of one hundred. Our next article will contain a review of the celebrated " March to the Sca ' and the Strategy of Invasion illustrated thereby, especially as the most important portion of the operations were undertaken over the very same line of murch pursued by Earl Cornwalls eightythree years earlier, but with a far clearer knowledge of the object to be attained, and the effect produced, than was possessed by that able general and his enterprising associ-

Taking into account the difference in time and accessories, especially the modern appliances of science and manipulative skill to the art of war, the similarity of events in both cases always excepting the final close, is sufficiently striking and remarkable, and plainly proves that the general principles governing the act of war are unchangeable.

The Athenaeum (we do not mean the going in for the sensational business of literature in a small way. The attempt last week to surprise the public with a pretended intimate knowledge of the authorship of "A True Reformer" ("Novels of the Week," p. 788), seems to us to be as clumsy a performanco as it certainly is an ill-mannered one. In venturing a bad guess as an authentic statement of fact the reviewer only succeeds in naming a Colonel Chesney, who can hardly be the right one in the present instance, and who, right or wrong, assuredly had nothing to do with" The Battle of Dork. ing," the success of which, says this offhand writer, nevertheless seems to have spoiled him. According to the old adage, that "it never rains but it pours," the reviewer having committed himself to one blunder, proceeds to add others if possible more glaring, in his account of the novel itself. Thus, he actually praises, as an exact de-lineation of a high political official now in the War Office, one of the sketches in the work which every one who knows British ludian history for the last half-dozen years will fix on instinctively us that of an officer disinguished for his very demonstrative out ward devotion to financial reform, combined with consistent endeavours to build up a costly department for himself. To take the Sir Mordaunt Burley of the novelist for Mr. Cardwell's present right and man-as the reviewer does—is to prove that he has un dertaken to write about great persons of whom he is ignorant, as his first sentences showed him to be, of the authorship of the most famous pamphlet of his own age.

Broad Arrow of 28th June, takes a con temporary periodical of considerable standing in the literary world to task for presumed want of courtesy in dealing with one of the heroes of the best satire of the age,

able up to the day of Conswatting's sucrens! quite coolly ignoring its own importinence in dealing with the character of the gallant officer in command of the Canadian Army, and it might well be asked how often our contemporary has been caught "venturing a had guess as an authentic statement of

> In the present case, however, it is notori ous that the man "of the bread and beef chart" is that high political official now in the War Office, and no one else; and the character of Sir Mondaunt Burley was intended for Mr. CARDWELL's present right hand man and, moreover, it fits exactly,

> The idea of the Indian financier is entirely too far fetched, Broad Arrow is not particular in striking at a presumed or actual political opponent, especially if he does not belong to the ranks of that Republican party that has maintained an existence since Growwell's time, and in this the individual crime seems to be that he was not as great a humbug as Sir Mondaunt and failed in building up a costly department for himself.

Our contemporary can hardly be serious in the travesty he proposes to make of the ablest sketched and most prominent figure in "A TrueReformer," it is a fact, however, whether intended or otherwise that the whole of this The Attenaeum (we do not make the Club of that name) has long since ceased to be regarded as an authority in the world of letters, and we do not think there can be recommendation of an obscure subaltern clever novellette is taken to be a clever carriofficer with the complicated and useless system imposed on the country in its stead; an exact counterpart of CARDWELL's patch-

> Our contemporary however, has no true claim to disinterestedness in this case, and withall his talen' wit! not beable to suve his friends from the consequences of the fearful mistakes they have made inthe reorganization of the British Army.

> THE last idea in the torpede line is taken from the Scientific American, of July, 19th omitting the sketch or diagram, which is simply that of an ordinary gracefully designed ram, without masts. The closing remarks are from the United States Army and Nary Journal, and we think our readers will not imagine the gallant admiral's vessel to be so very formidable or offensive after all.

> " A vessel, which although not yet tinish ed, has already attained a world wide fame, is Admiral Porter's torpedo boat.

"The sketch, taken from the ship as she lies unfinished on the stocks at the Brooklyn Navy yard; does not necessarily aim to present the details of construction with accuracy, but serves to convey a good idea: of the general configuration, and shape of the vessel. She is 174 feet long, 25 feet broad, and 13 deep and is built of thoroughly tested charcoal iron. The sheathing of the hull-us from three eights to half an inchilation and in some positions this is increased. thick, and in some portions this is increased, As we explained, in a recent article on have a diameter of about ten feet, the "Iron Ship Construction," this boat is built best working area of blades being deterafter what is known as the English "bracket mined by experiment.

plate system," that is, two vessels may be said to be constructed, one within the other and of equal strength Within the outside shell three longitudinals of immense strength run the entire length of the vessel Within the outside and are connected with bars running in a horizontal direction by brackets. whole is then covered with audroughating. forming a distinct and parfootly air-tight bottom and sides. The different sections can be used and enteredby manholes, which enable a person to pass between the inner and outer vessel from stem to stern so as to effect repairs in case of injury. The compartments are all water tight, so that a event of grounding or other damage, only a small portion of the vessel will fill. The decks are of fine plated steel, and of about half an inch in thickness. The new Fowler propeller wheel will be employed, the blades of which being operated by an eccentric on the shaft have their pitch changed, so that steering and propelling will thus be done by the same means, the rudder being merely auxhiliary. The engines, now in process of construction at Roach's iron works in this city, are of the compound type, built in the most careful manner, and this expected that the boat will be able to steam both estern and ahead at a very high rate of speed. Electric apparatus connects with the engine room and pilot liouse, from either of which points the vessel can be steered. "In the engraving the boat is shown in fighting trim. That is her compartments are filled with water, so that she is entirely submerged with the exception of some three feet. Her three masts are lowered out of the way, and nothing is visible on her deck except her smoke stack, low pilot house, and the heavy gun which she is to carry on her forecastle." "Although built with a "snout," ram-

ming is only a secondry means of attack. In fact her bow is not a solid piece, but it is built out some twenty feet in order to allow torpedoes to be thrust forward well in advance of the boat. An opening near the lower edge of the extension of the bow runs at a slightly elevated angle to one of the forward compartments, and through this the shell placed on the end of a staff 20 leet long is shoved. Of course, after the explosion, a ram given at full speed, accompanied by a shell from the heavy gun, would leave little prohability of the attacked vessel remaining on the surface for a very protracted period. The two apertures or ports, show, i on the broadside, one amidships and as other near the stern, also serve to push torpedoes from, and are used when the boat is obliged to range alongeside a ship instead of meeting her bows on.

"We may add that the torpedo boat is to have two horizonfal direct-acting compound engines working on a central vertical shaft through bell cranks The high presure cylinders are 20 inches in diameter. and the pressure 38 inches, with a stroke of a piston of 30 inches; the number of revolutions per minute being estimated at 80. An ordinary surface condensel is blaced between the low presure cylinders. There are two cylindrical horizontal tubular boilers of ten feet diameter of shell and oleven feet in length, having two furnaces in cach 39 inches in diameter; with an entire grate surface of 169 square feet, and 5,000 square feet of heating surface; the upressure of steam will be about 60, pounds per square inch, and the consumption of fuel about fifteen tons per day, full steaming. The Lowler propelling and steering wheel will have and ameter of about ten feet, the