## EDENTON GAZETTE

F.DENTON, NOVEMBER 31, 1809.

20 Dollars Reward.

RUN away from the subscriber upwards of a year past, a likely Negro Fellow, named FRANK, commonly known by the name of FRANK MUTTON. He is about. 5 feet 9 or 10 mches high, thick set, and pret ty black, has some of his fore-teeth out, and conewhat bull-headed, has a smiling artful countenance when spoken to, and is a very desperate blood-thirsty fellow, He is, I am informed, larking about in the neighborhood of Edenton, and frequently in town, braving the power of white men to take him. I will give the above reward to any person that will confine him in Perquimans jail so that I get um again.

Elizabeth P. Dickinson. 

## THE ARTS.

n examination of the notion entertained by seamen, that the weakness or lauseness of n Vessei's frame makes her sail faster. By Capt. Malcolm Cowan,

Copil Cowan concrees, that the generality f seamen have an idea that the strength of hips is an impediment to their saline, which makes them give too ready an assent to may be made to the improvements in naval architectury, which have been contrived for strengthening ships, and consequently adding to their safety ; not considering how many are interested in the contimustion of ancient errors and absurdings, and enriched by the existing alreses in the construction and equipment of ships. The is a subject in which scowing are more particularly interested, from laining habin to be the greatest sufficiers by any mistake relative to it. And which therefore destants their peculiar attention.

Capt, Cowan supposes the action to be errenews that the part of Jups impersed in the water can twist or bend in any way to effect their saving, as they are too brushy bound by the docks and knees, to admit of amy sufficient motion in this way for this effect; he however admits the possibility of this twisting and bending, in order to lave light the hat they would be nearly the reverse of what

commonly supposed. If a vessel should bend upwards or downwards, she would make more resistance to tie water, by opposing a greater surface to it transcerely : a hollow or concave keel is well known to be one of the greatest impediments to a vessel's sailing; and if the middle, it is evident the transverse section her immersed part, must be proportionalincreased in debth, along with her resis-

If the bend or twist should be sideways, with, and the resistance become proporably greater ; besides this, it would make stance diagonally to the proper course, would operate to make the vessel steer direction of the bend at the head. sons Capt. Cowan justly supposes by drawings, which he has made ited as seamen suppose they may inspection of the roughest sketch is sufficient to demonstrate the sufficient to demons te idea (to any but the obsti-that such twisting can be an

> ttributes the effect which sailing of vessels by cutis funich is practised rivateers) entirely to ter borks, and there-te mosts and sails. thing the rigging, ners and tackles, then is chase, in

order to give the masts as much play or motien as possible; in large, and particularly in lefty ships, the rolling motion causes the sides to bend over somewhat from their natural position, and this causes a ma-terial alteration in the position of the masts and sails, besides giving them more play, as the length of the masts multiplies the alteration of place at the sails, in proportion to their distance from the centre of motion.

By cutting through a vessel's gamels the upper works may be made very loose; but as the deck must keep every part beneath it under water from bending or twisting so as .. tion, and that the reaction may be in the same to affect the sailing, it must be entirely from an proportion 1 the wedge shape which many the effect which the looseness of the upper shape have at the head and stern, is well calworks has on the masts and sails, that any

alteration in sailing can arise.

Capt. Cowan observes in concluding, that ships sometimes sail faster when new and firm, than when they get old and weak; that the safting true of a vessel must depend on the Craught of water, the stowage of the hole, and the position and trim of the mosts, sails and rigging, as no improvement in the sailing of a ship can be produced by her bending or twisting beneath the surface of the water however weak or loose she may

ORSERVATIONS .- It is easy to demon-strate that when any part of the frame of a chip leasens, so as to be capable of motion in the neighboring parts from that moment the vester legios to decay; and it is all a matter of chance whether her destruction should be gradual, by a progressive lossening & wear-ing of the whole frame, or a hether the par-tial motion of a single timber will not start a plank, and send her and her crew and cargo at once to the bottom. Capt. Cowan line heretofore done a singular service to seamen in printing out their errors on the suspect, by shewing, that it is the part of the resel above water which affects the miling by its action on the mosts and yards, and not the alteration of the immersed part, as was falsely imagined.

The effect which the giving play or motion to the masts, has on the sailing, we are convinced, urises entirely from the greater springing or elisticity which they are capa-ble of exercising. It has been long since proved, that the spring added to whee! carringes enable a given force to produce a greater effect in meaning them forward, and prevent impediments on the road from diminishing their velocity of motion in a very great degree if not entirely. The waves on the sea may be considered as forming obstructions to the velocity of a slup, in a similar trainer to that which obstacles on a road do to the metion of a carriage; and it may easily be conceived, that the introduct on of the principle of the spring, in making the motion of the ship more unform must be e-

qually beneficial.

But surely the dangerous expedient of clamaging the vessel, by the process of loosening it, as it is called, cannot be absolutely necessary to give this spring; on granting that aid somewhat in this way, jet certainly matamly none worse, and it is evidently a disgrace to the ingenuity of seamen not to be able to contrive a better expedient than the very barbarous one which they have adopted; Springs have been added to the blocks by the sheers and balyards, in several America vessels, and have been found of great utili-ty; there can be no doubt bin that the slings of the yards might be also attached to springs, and that the effect would not only be benefi-cial to the sailing of the ship, but also in pre-venting the sails from being rent by sudden-squalls. The wind varies hiewise, from the intensity of its action on the sail for momenand in the action of the ship in pitching and rolling, tends also to make the operation of the wind on the sail very variable, increasing it as the mast rolls from it.—Springs at the sails and at the halvard blocks would equalize this action of the wind more effectually than cutting the gunnels or loosening, the rigging, so as to endanger the masts being brought by the board. All unprejudiced persons will at

least grant that this, and every other safe expedient should be tried for the purpose, be-fare the very dangerous methods above men-tioned should be at empted.

It has been proved by experienced philoso-phers, that a pyramidical or conical body of word, forcedinto the water, will react in the same manner as a spring; this principle may also be adopted to give the action of a spring to the mists, without injuring the ship, for its hull may she so shaped, that both in rolling and pitching, the resistance may gradually increase, as it includes from the vertical pinis culated for this purpose, and if the sides were made so as to project as they rose, instead of inclining inwards, or tumbling home, as it is called, the vessel would have the best form for this purpose, and one which would be very good in other respects also. Much deprods upon bailasting the ship, in making the operation of its immerced part, have the o peration of a spring on the masts; for if the ballast is too low, this effect will be injured by its rendering, as it were, the spring too stiff; and if say the contrary, the centre of gravity is placed too high, the spring will be too weak, besides risking the upsetting of the

The interest which, Captain Cowan remarks, many take in the continuance of ancient errors in the construction and equipment of ships, is a melancholy consideration, when the fate of the nation depends so much on its

naval supersority;

As yet the was are our own; but if the sime system, which has runed the continent, should ever be adopted in our rerval deports ments, and if all improvements were to be rejected there while our inveterate enemies eagerly and diligently encourage it in their service, no gift of prophecy is required to foretell what must in time be the event! No when can be more false, than from the construction and management of ships are bro't to the full perfect on of which they are capiable. We hugh at the Chinese, for holding this opinion with regard to their junks, but in us it is much more rid culous, for a wise police prevents foreign commerce to that metirm, to whom it is worth nothing, or worse, though to wit is every thing. Art is so far from being exhausted on this subject, that it is no etaggeration to say, that it is yet within its limits to diminust the dangers of the sea to navigators fully one half of what they are at present.

WASHINGTON-CITY, Acr. 15.

All negociation with the British government at this place is suspended by one of those events which we should call extraordimary, did not their frequent conference for a few years past make them familiar to us. Without any redress for the accumulated wrongs heaped upon us, or for the bitter iddignity committed by the outrage on the Chesapeake, a new and wanten insult has been offered directly to our government by a minisrae tultett i t the nation trusted would in truth have turned out to be a messenger of peace. Sent, exderstandings, occasioned by the acknowledge ed mistakes, if not injuries, of his own gos verment, he has permitted himself, in vis-ation of the plainest dictates of reason, and the clearest precepts of the law of nations to offer the grossest insult, in the power of ingenuity to devise, to the American nation, by intennating a doubt of the veracity of its es erament.

Sensible that our countrymen are no wave deficient in spirit, and that foreign injury and insult, so far from possessing the power to awe, will only serve to exche a just resentment, we shall abstain from ministering fuel to a flame which, we risque nothing in anti-cipating, will blaze from one end of the na-tion to the other. It is indeed must transfeat that since the inexplicable disavowal of the arrangement entered into with Mr. Erskine. it has required every effort of moderation and window to keep down the tage of the public