has hardened.

its strength. In breaking the bearp, it should be broke in small bands, about one-third of the ordinary size. In all my experience, 1 find our hemprequires to be porperly hatcheled, to stand the test the government requires. to stand the test the government requires. This is entirely owing to the different mode of handling the Russia hemp; but by breaking in small hands, it relieves itself of sheaves, and produces less two, and cones nearer to the quality of Russia Riga Rhine, which quality of hen p the government uses for the Navy. It should not be applied to the break test along a production of the present the standard suffered to presente. too often, nor the breakers suffered to practice the habit of breaking dew rotted hemp, by beating it over the break to relieve it of the herds. It should be thrown up loosely into the atmosphere, to let the air pass through it-In drawing your hemp, you should draw it from each end, so that the staple will draw clear and have an even hand. See particularly that the buts of the staple be even, and that all the drawings be handed to uself, and not placed in the prime hemp, as it is the habit of doing in dew-rotted. All hemp with the drawings secreted in the centre, will not pass-inspection. The hemp must be perfectly clear of sheaves, and that must be effected clear of sheaves, and that must be effected not by listle breaking and beating across the break, but by plenty of shaking. I have had the strongest evidence, in all my operations, that hemp broke in small hands, say 10 or 12 stalks at a time, will yield less tow in hatcheling by 20 to 30 per cents, if the hemp is properly round. Also schutcheling helps the hemp greatly, and causes it to yield less tow, and steniolitous out the steple. and straightens out the staple.

This process is very indispensable to produce a merchantable article. The instrument for a hierchithmine arrive. In meaning a pour nemperosery when hear the content and schulicheling is a flat wooden or non kinde in solution. If you permit to have two much the form of a paddle. The hemp is placed on not, it will impare the hemp seriously in strength board appright, about four feet long; one half and in weight, and to avoid this to those that of the length of the hemp is held by the left are not particularly acquained with its proper hand at the top of the board, and the right solution; they may taken to under the results that which when monetain and the right solution; they may taken more to field. applies the knife, which, when properly applied. leves the hemp of the small sheaves which the article, and consequently produces less

This has been proven to be fact by those who have fested it at one of my pools in Kentucky, and also by an experienced larmer in Missouri. Hemp that is darkened by the dews, or colored water, which is pro-duced by the blackness of the soil, will not meet with a favorable demand in the easiern tharket; it partakes of the character and price of dew-rotted hemp. To avoid the, immediately after your hemp is our place it under shelter, or shield it with inferior hemp. that the dews or rains will not affect it; and also let your pools be made of plank, or other-yuse place them at the side of the stream, and dam it sufficient in height, that, in case the stream should, be disturbed by rain or fresher, it does not pass through your pool.

The construction of Pools is as follows.

It it should receive several two feet love. A was e gate around them to has hardened. If it should receive saviral two feet lock. A was egate around them to rains, it does not injure, provided you attend to turning it. The rains wash off the gain pod', it so, it, roduces an uneven temperature which lies on the surface of the lim, and when applied to, the healt, it produces a clearer staplied to, the healt, it produces a clearer staple, cleans easier, and makes less tow.

There is also another mode, when the stalk, but the former is the most certain. The hemp as its street, should be thrown mus shocks or ricks well secured from the weather penetrates of the water producing their centre. If the weather penetrates the conter, it will injure the staple by reducing its strength. In breaking the heap, it should is story command the, particular by numming its strength. In breaking the heap, it should is story command the, particular by numming wate. To wate say in points or large streams is not so commend the, particularly running stream. The hemp becomes rregular in its so unon, and loses its hist. The preparations stream . so unon, and loses its ind. The preparatio's necessary is to have two long supling-; pin them at each end with coss-bars, forming a raft, with uprights at each end, their length to be the dopin of the water. These form a to be the d-pth of the water. These form a raft, say 20 or 30 it, long; load your hemp on them, and sink them with rock. For the conveyance of water to and 1 om your poss, a will call your attention to the leader pipes manufactured in this cap by Mr. W. V. Thompson. These pipes will be a great acquisition for this 1 tripose, as also for water-me stock and avoiding waste of water. They veyance of water to and form your pools, I can be made any length, and at a much cheaper rate than an ordinary spoutthose larmers who are not in posession of springs, they can fix a small lifting pump in any part of then farm, and supply their vats with water.

> As regards the process there need not be the slightest apprehension as to deleter ous effects to health. As a demonstration of this lact, in my operations for the Givernment, I had about two hundred men at various pools m the hemp-growing region in Kentucky, from 1840 to 1841, in a circuit of 100 miles, and there was not one instance of sickness, although many of the men exposed them-selves to the wa er when it was not necessary. also advise gentlemen not to attempt to deliver more than one ton of hemp to each, laborer they have, and not to exceet from 5 to 10 tons the season: beyond this will produce

I will also observe the necessity of watching your hemp closely when near the time of its full ned too far, and spreadil down upon the field, for the dews and tring to finish, but at the adhere to it, and strengthens the staple for the same time be particular to attend to turning it, hatchel, which adds greatly to the value of that it may receive an equal portion or dews and rains throughout. Hemp rotted in the is indispensible for them to adher to these instructions. There is no more laborational for operation, thandew-rotted. Hemp water rotted judiciously, and handled properly, will gain from 10 to 15 lbs, on the hundred above the dew-rotted, which more than amply pays for the difference of labor or a manual pays to the stack after, being a long time out. the homp growing regions of Russia, the crops amount yearly to 90,000 tons. The best hemp produced is in the government of Cheringoff. The hemp is mostly of short staple, and of the very best quality, the produce is about 15.000 tons yearly ; - and also in a part of the government of Orel, short staple is produced, and car-ried to the port of Riga, but the great part of the homp produced in this Government is long f which the produce is about 14,000 The hemp of Koursk is mostly long stuple, of tons. staple, and the produce is about 13 000 tons. The hemp of the government of Looler, is also long staple, and produces about 13,000 tons. In the governments of Tamboff and Ruszan, the produce is about 14,000 tons, but not of good quality, being more after the color of flux, and its staple is weaked; it is chiefly produced The construction of Pools is as follows, for the Arciangel market and a portion of it accomplish this great work. I lean upon you, Small spring hunches dug down two or three reaches S. Pentersburgh. The hence grown in the Farmers of the West, to mail to my leet, a teves thrown up around them, and the government of Smolessis, 1, 50, short staple, and and give me your mount and carried small flood gates at each end, made simply particles of the character of the produced in the co-operation. And to pour interpretating out of four pieces of board, a fool wide and government of Tamboff and Russia, and which [Continued on the 10th Page 1]

is mostly manufactured into sail cloth fabrics ; the produce is about 8,000 tons. The government of Calonga produces about 7,000 tons, mostly short staple. The Russian mode practiced in preparing their hemp, differs only with their instruction in relation to the care and paints in preparation: a portion of the country also adopts a chemical process to produce a rapid solution of the gum, which is injurious to the stapio. As this country is subject to frequent had storms, the crops often times fall short of this.

In laying this information before you, my o'heet lato convey to you the quantity and the various qualities of liemp produced in the bemp growing regions of Russin. You will also notice that we have a decided advantage over the Russian article, in comparing the small quantity of long stople to ours, as all our hemp generally is at long staple; therefore, by assiduous attention to the culture and prepraring of it, our staple must and will have the ascendancy in the European market: in a reasonable time, Missonri can supply the whole world with liemp; as well must lilinois and Iowa arrive to be extensive himp-growing States, and of a superior quality. And let the agricultural interest of these States buckle on their energies and industry, and consummate it to the advancement of their own prosperity and the country in general.

I have had the assurance recently given me, from a gendeman direct from London, of the highest standing in mercantile transactions, that the moment we are prepared, he will effect a contract to supply the British government with our hemp for the Navy, which consumes equal to our Navy and our commercial enterprise, about 12,000 tons yearly. Also, the consumption of the part of London is 20,000 tons yearly, embracing the requirement of the Navy. I have also had the assurance, from a gentleman of high standing in commercial transactions in France, that from the character of our hemp, the moment the country is prepared, he will effect the supplying of the French Navy with our staple. These countries are desir us to encourage us, that they may have two markets to go to in case of any warlike dis-

I have labored with great sacrifide of interest for these four years, with the pleasing, and proud anticipation to see the country mdependent of this foreign staple, and that we may become heavy exporters; and the day is not far distart, when these anticipations will be fully real zed.

And to facilitate this most important object. I have, by the societations of a number of others in power at the city consented to enhirk upon this arduous and hazardous undertaking with the view supplying the Navy with American Water Ruted Hemp, from the West, for a term of years. I do assure you gentlemen, that no preuniary inducment could have influenced me to embark upon this work of enterprize again. But some; what must be done to keep alive and finish this great work, which has been commenced, and is in progress to its ultimate accomplishment. I have lost a large ortune in establishing the practicability of it, and have undergone great affections, in consequence of which I have felt reluctance to subject mysell to a second trial of the various circumstances which befet me, in effecting that important object. But with a desire to promore the agricultural interest of the West. and to see my country speed ily independent of this foreign staple, and with the confidence of this jurisiant status, and with the confinence that I have in you, that you will support me in this act of enterprise, I now come forward once more with all my resources and energy, to give this subject and monal importes, that will convince the world and Lie Russan Autocrat, that this Republic can stand and independent of his staple and fabries, and can supply the commercial world. To