of the mine. The terrors of fuch places are not all imaginary. Sometimes the roof falls and the miners are buried beneath a mafs of itones and earth; fometimes a fudden Hood of water drowns them, and at other times they are deltroyed by the gunpowder blafts with which they read the rocks. Thefe occurrences are not frequent, and yet they have all happened in the Owdin mine.

The greater part of the inhabitants of Caltleton are miners. Their condition feems as unchangable as that of the Hindu casts, for altho' not made hereditary by the compulfion of law or the influence of religion, it becomes so by a kind of necessity, and thus men, women and children, from generation to generation, are all in one way and another, employed about the mines. Having thrown off my miner's drefs, I went with another guide to fee

The Speedwell or Navigation Mine. This mine proved to be a very different thing from that which I had just left, and I found no difficulty in wearing my usual dress.

We entered a wooden door, placed in the fide of a hill, and descended 106 stone steps, laid like those of a fet of cellar stairs. The passage was regularly arched, with brick, and was in all respects convenients

Having reached the bottom of the steps we found a handsome vaulted passage cut through folid limestone. The light of our candles discovered that it extended horizontally into the mountain, and its floor was covered with an unruffled expanse of water, four feet deep. The entrance of this paffage was perfectly fimilar in form to the mouth of a common oven, only it was much larger, Its breadth, by my estimation, was about five feet at the water's furface, and its height four or five feet, reckoning from the same place.

On this unexpected, and to me at that moment, incomprehensible canal, we found launched a large, clean and convenient boat. We embarked, and pulled ourselves along, by taking hold of wooden pegs, fixed for that purpose in the walls. Our progress was through a passage wholly artificial, it having been all blatted and hewn out of the folid rock. You will readily believe that this adventure was a delightful recreation. I never felt more forcibly the power of contrast. In-Read of crawling through a dirty passage, we there may pleasantly embarked, and were pushing along into I knew not what solitary regions of this rude earth, over an expanse as ferene as the fummer feas. We had not the odors nor the filken fails of Cleopatra's barge, but we excelled her in melody of found, and diftinctness of echo; for, when in the galety of my spirits I began to sing, the boatman foon gave me to understand that no one fhould fing in his mountain without his permilion; and before I had uttered three notes, he broke forth in fuch a strain, that I was contented to liften, and yield the palm without a contest. His voice, which was strong, clear and melodious, made all those filent regions ring; the long vaulted passage augmented the effect; echo answered with great distinctness, and had the genii of the mountain been there, they would doubtlefs have taken passage with us, and hearkened to the fong. In the mean time we began to hear the found of a distant waterfall, which grew louder and louder, as we advanced under the mountain, till it increased to such a roaring noise that the boatmen could no longer be heard. In this manner we went on, a quarter of a mile, till we arrived in a valt cavern formed there by nature .- The miners, as they were blafting the rocks at the time when they were forming the vaulted passage, accidentally opened their way into this cavern .- Here I discovered how the canal was supplied with water; I found that it communicated with a river running thro' the cavern at right angles with the arched passage, and falling down a precipice twen-*y-five feet, into a dark abyss.

After croffing the river, the arched way is continued a quarter of a mile farther, on the other fide, making in the whole half a mile from the entrance. The end of the arch is fix hundred feet below the fummit of the mountain. When it is confidered that all this was effected by mere dint of hewing, and blafting, it must be pronounced a stupendous performance. It took eleven years of conflant labor to effect it. In the mean time the fortune of the adventurer was confumed, without any discovery of ore except a very little lead, and to this day, this great work remains only a wonderful monument of human labor and perseverance.

croffed be cavern they threw the rubbish in- Much is said to the aby. and it has not fenfibly filled it

feet of the cataract by Lxing a gate along the ledge of rock over which the river falls .-This gate is raifed by a lever and then the whole mais of water in the vaulted passage,

towards the cataract. I ascend d a lade made by pieces of timber fixed in the fiel of the cavern, an I with the aid of a cand elevated on a pole, I could discover in top my guide affured me that none had bee found, although they had afcended ver high. This cavern is without excetion the most grand and solemn place that ha ever feen. When you view me as n fl centre of a mountain, in the midst of : voi where the regularity of the walls loo like some vast rotunda, when you think of ri er as flowing across the bottom of this can ern, and falling abruptly into a profoud byfs, with the flunning noise of a catanct when you imagine, that by the lightof of the cataract is illuminated even down t next fpring, immediately before fowing.

AGRICULTURAL.

For the KINGSTON GASSTTE

MESSRS. FDITORS,

PRESUMING it to be your vish to make your paper as generally reful as the pollible, permit me to fuggelt to you the propriety of appropriating fome of its tolumus to the purpose of diffusing inprovements in agriculture; an art which it beteficial to all ranks and conditions of men, and in which a large part of your fibserbers is exclusively occupied. Swift makes the powerful and benevolent monach of Brobdingnag affert, "that whoeve could make two ears of corn, or two bliles of grafs, to grow upon a spot of groundwhere only one grew before, would defervebetter of mankind, and do more effential ferice to his country, than the whole race o' soliticians put together." But I presume of to arrogate such high pretentions in bellf of rural economy; or even to put it or level with the lofty as well as profound icculations of Mr. Randy, on the useful is of Balloons and the value of Gendance rant; or the notable plan of another of your correspondents, who, because we have the mitfortune to be overrun by quacks in physic, would fagely give the same free scope to pettifoggers in law; yet it would be no mean advantage to community at large, and to the farmers in particular, if the ter could be cured of their prejudices again the cultivation of hemp; if they would lean to improve in the making and preferving of their butter and cheefe; in meliorating hat most useful vegetable the potatoe, and irincreating its quantity without taking upfor it a larger portion of foil; if they would make themselves acquainted with the mthod of having constantly within their rach the best feeds for their fields and gardes; take some lessons for the better management of their orchards, and condescend to be taught how to make the most of the ich juice of their maple trees. As they tre now probably awakened from the golden visions which allured so many of them isto the lumber trade, they may be the more nclined to attend to what will more certainly and eafily improve their circumstances, wihout carrying them out of their ordinary pirfuits.

On all the abovementioned subjects, I m in possession of valuable papers, published by the agricultural fociety of the State of Miffachusetts, and communicated to that forety not by speculative, but by practical men, who have themselves experienced the advantages of purfuing the course which they iecommend. Should you be disposed to approve of my plan, and give them circulation through the medium of your paper, they shall be very much at your service, and that of the public. Your obt. fervt.

AGRICOLA.

On the Culture and Curing of HEMF.

BY A GENTLEMAN IN MARYLAND.

THE extensive usefulness of hemp, the little interference of its culture with the other work of farmers in America; and, well water-rotted, the ease with which it is prefixed for rope, as well as the general cerrenty of the crop with a good price, led me o ad-During the whole period of five years mire it in preference to other uncommon ar-

Much is faid of the cultivation of hemp; and there appears a confiderable variety in the modes of management. My practice They have contrated to increase the cf- was simple. Ground, level and rather-low, not wet, and a mellow loam. whether of the fandy or clayey forts, was oreferred. These foils are not cold; and when well cleaned and prepared by repeated plowings and a as well as that in the river, prefies forward due quantity of manufacture in condition

to yield many repeated crops It hemp , a little manure being now and then added.*

without thought on the subject, say their pugbear part of the butiness ca lands will not bring hemp. Most kinds of recomplished, and the hemp foil will yield good crops of it, if not wet. Larket in the spring. If poor, manure them. Every husbandman can manure and cultivate land enough for giving him rich crops of hemp. The plowings for reducing ground to a mellow garden-like state should be many, preceding the first fowing. Every time that young weeds appear, plow them in repeatedly. When the ground is thus well cleared of the feeds of weeds, then fow hemp-feed, and repeat it, year after year, on the same ground; giving fire work of gunpowder played off onput it a little manure and two autumnal phroings; pole to render this darkness visible, the name and the like plowings with harrowings in the

the surface of the water in the abyss, an April, when the ground is moist, clean the rays emitted by the livid blaze of the and mellow, in garden-like condition, from preparation, are reflected along the drippin plowings and harrowings, is the time for walls of the cavern, till they are lost in the fowing hemp. The plants then foon appear, darker regions above, you will not worde and rapidly cover and shelter the whole furthat such a scene should seize on my wol face of the ground; whereby weeds are kept foul, and fill me with awe and aftonishmet? under, and exhalation is greatly prevented. My hemp never fuffered materially from drought but once, and that of a fowing in May. It was never found necessary to weed what was fowed for a crop; but only fuch as was fown thin for producing feed. Sometimes feed was faved from the margin of the field, where the plants had room to branch,

and were coarfe. When the male or impregnating plants shewed maturity by some change in the color, and by the farina or daffeflying off from the bloffoms, all was pulled up, both male and female: and the pulling of every day was put into a falt water cove, in the evening of the same day, bound up in small bundles, and fank 41 feet in the water, in a thick square bed. The third day it was inspected; and from the third to the fifth it was enough rotted, as it is called. In examining it with finger and thumb some of the roots were broke. If they bent or were tough, it was not enough: when they mapt off thort like glass, it was enough: but the bark also was tried. The hemp was then taken out of the water, and the heads laid floping down to drain till morning; for it was usually taken out in the evening. In the morning it was fpread, and whilft drying, once turned. In a few far days it was div, and then carted b an al-bacco house, where it was bulkd up till the hum of ecuring the other crops was over. It was broke and fivingled in the next winter. Some of it was made into ropes for my farms : the reft fold to rope-makers, from the fwingle. The rope was beight and flrong, and faid to be of a quality emicing it to the bounty then offered

A small part of one of my crops of hemp was der rotted : which was fufficiently difgusting to forbid a repetition of that mode. It was a tedious while on the ground. Winds blew it about and entargled it. It rotted partially: not the whole of the same fibre alike. Here it was ftreng-there weak.

for water-rotted hemp.

Where there is only a stream of water, it might be proper not to place the hemp in the stream; but, digging a deep whong receptacle, let a sufficiency of the acem pals through it, when full, on one hade the natural current. There for the hem a clean water; which should constandy be coming into and paffing through the pit, in a degree of plenty for preferving the water from corrupting or being flagrant; but not fo rapdly as to fret off its Wark.

After pulling the hem, weeds grew up; which were reduced, and the ground was left n clean condition till the spring by plowings.

Having no minute of the quantity of feed own, I can only remmend what feems best. But it greatly desends on the flate of the ground, and the surposes for which the crop s intended. A little experience will afcerain the proper quantity. Two bushels of ted to an are, I believe, are a full portion for rope A little less might be about the quantity fowed.

If the ground be good and wellprepared, to crof is more certain than hemp, fowed in ime, and when the foil is mouth. Hemp had s the ground from May till bout the at of August, and from early August it fould be advantageously sheltered with a crowth of buckwheat, till this bloffoms; and then during a temperate flate of heat, it is plowed in as a manure. Buckwheat must not run to feed on ground to be bwo with kemp. I have had it fpring up and contend with growing hemp, till the bunk has been Thre feet high.

* Mr. Young Speaks of a piece of ground at Honne, in Buffolk, England, wbich bas been under crys of bemp jer 70 successive years.

The operation, improperly called rotting of bemp, ought to avoid every tendency to rot or fermes the plane. Water when pure and lively does not rettait it diffolies a vifecus gummy substance rubich bad bount the fibres of The lark together and to the bedy of the plant The pureft swater is the best different of Juch viscous | bflames I bare feen bemp robieb had been rotted in Jagnant dirty quate, the oppourance auberest was had. The bemp I rettedin elear tide water, bada light ft. auf color.

The heaviest work in proci he breaking and cutching or Farmers without experience, if not also Lut as it is the work of leifur

COMMUNICATI

MESSRS. EDITORS ... The fablid in this place bas been proposed, and bas fome interest. You will have the go. following thoughts on the fuljeft, and A FRIEND TO

IT is well known that but few and tive of good, can, (from the impati nature) be carried into : ffect, within tant evils. The establishment of its would most certainly be attended with instance, the bank notes, when ifee greater or lefs extent, be counterfeihave a tendency, in p oportion as the injure the credit of the bank, would b dividuals fuffering impefitions, and pe a temptation to fome to become chat who would otherwise have remained in other objection which has been offered, ty of giving the bills of the bank a cre tain an extensive circulation. It is fa in Montreal would be unfriendly to feet and at this place, and would not encourage the bills: that a bank, had already be Montreal, but was found impractice. the only or the principal objections which offered, to the establishment of the On the other hand, I believe it was the desired that, could there evils be done away for in bearfich would refult as well to the public a the said all a from fuch an establishment. If we denis, we have only to refer to our mother country. and to almost every wealthy and comment of country in Europe. If we look to the Unit of Same and there find that the banking fyslem has been proceed of much good, and the cannot deny of him bed conlequences. But the evils refuting to the United States are of fuch a prevail in this place : the principal a want of specie to form sufficient payments of their notes. In known, a number of banks have and I am certain if we inquite the it to have been the one I have not the valry and misunderstanding when to exist among the several banks their earliest establishment. I generally known, that when the one fourth the number of banks that the specie was almost totally as all a line was almost totally as all to the same all the same a vaules, and these who asterware the land to the depended on collecting bills on the fewers the same drawing the specie from the values ; which was to created a rivalry and a warface amongst belonger generally in New England, and persons and ceptions. The banks which had been the confidered the specie but ent, and an immerce bills of the new bank in circu immediately confected for the their specie; and to so goat an multiplied, that the fpene at on the remove from one bank are evils which certainly annot country at prelate shares would be the only one in Up therefore there would be no rebe impedently copressed wi States. The former of he evil which I have

tioned, I believe need not form a very formidable jection. The counteresting bufinels, both in country and in the United States, has been carried a very great excels. May had formed visionary languinary expectations of fortunes to be made by it but I believe experience has pretty generally convinced thefe adventurers of the fillacy of their expectations. At first their success was somewhat flattering, but at present the whole community is on the vigils to detect them. People, from experience, have become better judges of bills; the late ack in Canada have diffipated the principal nefts of counterfeiters in this country ; and I am convinced, from thefe and other causes, the rage of counterfeiting is now on the decline. The difease has arrived at its acm;, and it is boped is ab it to be cured.

STON GAIRTE.

MESSRS. EDITORS, DIFFERENC writers in von Paper, have expressed their different o mons respecting the present apportionment is highway labor, according) to which the lowest rate cannot be less than three daysa year, nor the highest more than twels: days, Without undertaking to decide thequestion of proportion, I cannot forbear chic rving that this tax, like our other taxes in general in this Province, is light, compare with those of other countries, and even the neighboring States. As our highway payable in labor, they are eafily pall; and I am fure no rateable inhabitant ig complain of being required by lander tribute three days works in a year to the improvement of the public roads, of ecially as his other taxes are fo inconfiderable. The burden of roads is reasonably expediento be heavier in a new than in an old country. This Province is still comparitively new; and, as one of its inhabitants, I with that much more labor were required or us for this valuable purpose. It would be boode. conomy. The utility of a fafe, early and expeditious communication, between . Le contre and the remote parts of the Polivince, is not duly estimated. It is the main cartery to the body politic. Leaving it to thok, whose proper office it is to apportion and apply the public contributions, I would merely invite all men of public fpirit, in I'd out of the legislature, to unite their in luence and exertions in the important object of improving our great post read, up a le down the river and lake, from the Lower Pres ince to Kingfton, York, Niagara, &c. Oth er roads are important, in proportion to the

Ganculty hopen La the river will by the