## the time to cut wheat.

Concerning the quality of wheat eut at different stages of ripetiess, the experimente of Prof. Lavy, of the Mianeeota Agrieultaral Colleges, are $q^{\text {quife pertinent. Siz plate of ground 429] feet }}$ loag by is foet wide, with a varant spase between theo of about is inches wide, all the same quality of soil, wers selected. These plata wers all sown on the 15th day of April with Beoteli rife whest, and the grain grew uniformly and presited an eves appearases. We give the resulf of eutting at different times and stages of ripenest in the following table:

Date and Cun-
of Owtiting
July 供 waly mill
3- Jofy is, ornowed nilk

!-july B in
:-Angot sidestripe.
Nate piè Ater of 80 Pownds.

Mr. Isey, is aoment the grain in the Ming epon the appearance of the grain is the Minseapolis Tribune, says: The appesrance of the grain adrances and deereaser is precisely the same way. As the quality, the grain of the first cutting whe miserably shranken, resembling, it was frequently remarked at the fairs, that of the crop of 1578 , in the aotithwestera porion of the State. That of the asoond eutting showed a vast improvement; that of the thint, same improvement over the aesond, but not so miuch as the precaling oses, The grain of the foarth cutting was by a fow proseusoed the best; but the majonity readily aypend upon the fifth. The grais of the sixth euting had lat ita bright color, and was blesehed. The oosdition tormed ripe was this: Mast of the stems or straw had turned, not dead white, but a rich lively yellow, some were still somewhat green. The berry whea preseed between the thumb and finger would yield, but aothing liquid or doaghy could be pressed sut, and this was the cutuing that gave the greatest quastity and the beat quality of wheat.

Catamaray por Fart Pankenget Thayrl ox the Hetsos, - A late number of the Nee York Graphie given an illiastration of a novel steamboat now building at Nysek, under the superiatendeene of Mr. Woi. Voorhis, of that thace, formerly Conmailare of the New York Yachi Clath. The new bist is to lee is the form of a catamaras, and it is expected that sho will ex. geed is syeed any over eibstructed She will have a doalle hall, 900 fret is length, while, as a whole, she will have 25 feet bean. Her engines will be of a paltern suited to the charaeter of the erafl, and tara a single whenl-to be plaved tetreens the perts of the slouble hull-ot 8 feet in diameter, at the rate of 325 revolations per minule It should be mentingel that ber hall, er, rather, bulia are to be of inore, each 5 feet sis inohes is diameter and cigar ahape. Of everae it will be ubderstood that sle will have me eabins below the water as in the ordiaary atemmbos. On aceoust of the peculiar biniler, Ms. Voerhis espects to be sbles wish perfect satety, to corry 123 puasis of steam to the -quare ineh, wherres the gommos boata rarely exeeed frow 30 to 35 pounde. Groat speed is espectel to resalt from the fallowing considers. tipes: Fres the length and asrrownese of the engise eylinders, giring great opted to the na: chieery, and frow the shallow draft of water, the drat amilahipe bolyg lese thas 3 feet and pradesily dimisiet ing to sothing fore and a/t Io propution to her dioplosemient se ofther boat has esp-thind the power this Bovel stesener will poseess. It is istended to uee ber as a pasaenger hoset, said her varrying aspacity will be 73 tons er aboet 800 puasengers. She will hare four
bulk hesis, eomprising five air tight eoupart. bulkhests ooesprising five air uight soupart:
mesta, whiet wil te placed of feet apart, and the deok ever her oenter will be 125 feet long. ineludiag a salion of the sams length sad as mole as the vemal itrelt. In case Mr, Voorhis' seve nantical ventare tarse out to be the great socsess which be antiejpetes, the so called fast heats of the day eill have to retire on their rosorle and malle way for the new sts is stean. boeting ou the historie Hadnote.

## HEABT DISEASE.

When an individual is reported to have died of a "divesae of the heart," we are in the habit of regarding it as an inevitable event, as something whioh coold not have been foreseen or prevented, sent it is too mach the hasit, when percons suddenly fall down desd, to report the "hestr" as the cause; this silences sll inquiry and investigation, and saves the tronble and inponvenience of a repulaive poat mortem. A traer report would have a tendency to asve wisny lives. It in through a roport of "disease of the heart" that many an opium eater is let off into the grave, which covert at once his folly and his crime; the brandy drinker, too, quietly alidee round the corner thus, and in heard of no more; in short, thin "report" of "dinease of the heart" is the mantle of charity which the politic coroner and the sympathetic physician throw around the grave of "genteel people."
At a late ecientite congrens, at 8 trasbarg. was reported that of 66 persons who had suddenly died, an immediate and faithful poat mor. trm showed that only two persons had any heart affection whatever: one audden death only, in 33 , from diseane of the heart Nine out of the 66 died of apoplexy, one out of every even; while 46 , more than two out of three, died of lung affections; half of them of "eongeation of the lunge" - that is, the lunga were ao uill of blood they could not work, there was not roum for air enough to get in to support life. Half't Journal of Healid.

Black Dre-This is for either wool, hair, fur, or ailk. Boil the articles for two hours in - decoction of nutgall, and afterwards keep them for two hours more in a bath composed of logwood and aulphate of iron; keep during the whole time at a scalding hoat, bot not boiling. Daring the operation they must frequently be oxposed to the air. The common proportion are five paris of galls, tive of sulphate of iron and thirty of logwood for every hundred of eloth. Sometimes a little acetate of copper (verdigris) is added to improve the color. Woolen eloth, before it receires a black color, is usually dyed blae; this renders the color much faller asd finer than it otherwine would be. If the eloth is coasse, the blue dye may be too expensive; in that case, a brown oolor is given by means of walnot sheils. silk is dyed in the same mantier as wool, except that as it imhibes a large qasntity of tanain, the quantity If galle mast bo inerraved to twioe as much, and the silk mast remaia lopger is the soluLinh.
figedt hor the Rattuxa or a Hor Watar Bollen - Whea a coil ia need in a atove inateal of a waterhack the diameter of the pipe ahould not exoeed a certain proportion to its length, with the lewest posible taras, that the water as it warme can pasa rapidily to the tank or oal to formet be retaiaed long enough in is it is prasible, conserquest get nearly as hot su it is pasible, consequent with the pres. sure. Thus, short pipn, large diameter, with one bend, of water hook with sae ceptam, or if elf. aor obly, the water will take care of it self, sovording to gravity. Babbling will be sometimes canwed in a very hot tatk when the jeisespe is relieved by drawing, on the came principle at water below fir boils in a partial
vacuum,

Fon kposiziso cherry wood, Brazil wood powdered sutgall and alum are boiled in the igaid is filtered and applind to is obtained; the - Unes is sext washed is applied to the wrood, which ing thea next washed if a liqsor made by digoent. pome time with exees of it of of vitrial for oaghly wash the woel, dry and oil Fir thor tog tine moode the following is anplier atainounces of gall nuta I louning is applicables ances of gall nuta, 1 eunce powdered logwool, कulel with water, and theance verdigris are hot is applied to the woel, which iot, filtered with a wolution of I souce which in then coated colval by a digestion in a athall quantity of dia solved by a digention is a amall quastity of hot
wise ribeger.

## HOME.MADE SODA WATER.

The artificial seltzer water, mado with a car-bonic-acid generator, is already an imitation, far from perfect, of the natural wator. A recipe to make it on the amall soalo for family ane, an it were, can only give a product differing atill more from that of the spring. Yet the following would fairly imitato the taste and properties of the natural water:
Pued chloride of calelum.
 Chloride of maguealum.
Chloride of sadiam.
Citrate of iron....
Citrate of iron
Bicartonate of oods.
Water sulficlent
Dissolve all the salts, excepting the tartario acid and bicarbonate, in about one pint of water, and introduce the solution into a champagne bottle. Then, having completed the requinite quantity of liquid so as to leave an empty apace of about two fuid ounces, add the tartario acid, and, immediately after, the biearbonate of aoda. Cork the bottle tightly, secure the cork with stout cord, and set the bottle aside for about six hours before it is opened. It is then ready or use.
Manufacture of Lager Berr in Small Quastriss.-The following recipe is asid to make an excellent beer for home use: To make 5 gallons of beer, take nomowhat more than that quantity of soft water, auspend in the ves sel containing it a bag with about two ounces of hops, and boil for about half an hour; then add about 3 pounde of ground malt, or, if preferred, a quart of thick augar syrup (or of molasaes) allow the whole to boil up several times, then pour the decoetion in a tub or vat. As toon as t has become say luke.warm, add to it about a half pint of good brower's yeast, and allow the whole to remain in a cool place to ferment. At the expiration of six to eight days, it will have become quite clear, and may then be bottled. This beverage may be made stronger or weaker, or more or less bitter, by varying the above proportions, and, when prepared acoording to this recipe, is said to make a refreshing and pleasant drink, which will keep very woll in a good cellar.

Lagit asd Hkavy Blows.-The difference in effeet between a blow delivered by a light hammer traveling fast, and one delivered by a heavier hammer traveling more alowly, is that the effects of the blow are more confined in the liat case, and more spread in the second. The blow from a light hammer penetraten but slightly below the surface; while a blow from a heavy hammer pesetrates deeply into the metal which is being forged. In practice it will be obeerved that light quick blows, have a tendency to drive out of shape, split aud break the rons; while the foree of heavy blows, with a beavy hammer, going alow, penetratea deeply into the iron and forces the masa of the metal not into the denired shape, Every wood chopper nows the differenes in effect between the effort drive a wedge into a tight place by light blows or by heavy ones.
"Str," roared a man out in Nebracks, striding up to a neighbor, "Sir, you are a liar." "I "How exclaimed the astonished neighbor. How do you know I am?" "Because I know it; because I have found it ont," "How long have you bean living hure?" "Six weekn," Neighbor, tranquilly nodding his hoad: "Oh vell probably you do know then. I dida't was no fight. been in town so long." There

Parerrs should teach their children that God is goodness and love; that the rules which He has laid down for the goverament of the rost and cold, will and wish for us; that ovon oar good, and evea sickness and pain, are for good reason when He makes us stroag and brive

