Brown Bread.

Nothing was ever got together in the platform of a political party that meant more or panned out less than a boy's first attempt at gardening.

It cost a man ten dollars and a sore nose to express an opinion at Jackson, Mich., the other day. He inferred that another man was a liar and said so.

What a blessed thing is knowledge. Without it you would never know that pantaloons are derived from a couple of Greek words that mean to rule the roost.

Philosophy stutters and grows weak in the knees when it tries to explain why a granger has to have a black patch on a blue pair of pantaloons, and vice versa.

A New York paper mentions the fact that a lady once received a declaration of love on her eightieth birthday. Never despair, girls. While there's life there's hope.

Another turn on the capstan of progress has been given. Water is now being used for fuelin Cincinnati, and for that purpose it is said to excel the native whisky.

A St. Louis man was so affected with the story of the Produgal Son, which he recently heard for the first time, that he sent word to the minister to send the boy to his factory, and he would give him a steady job at good wages.

There is strong probability that Balaam's ass was blessed with progeny. A Georgia preacher says he not only believes the whale swallowed Jonah, but he could also believe Jonah swallowed the whale, had it been so written.

It is slaimed that a successful typesetting machine has at last been put in operation. We go right smart on machinery, but we want to see it trot around the office hunting sorts and stealing leads before we take much stock in it.

The ashes of an imperial Ciesar, who was kiln-dried more than eighteen hundred years ago, were used by a washer-woman recently in the manufacture of soft soap. It takes a long while sometimes to find out what a man is good for.

The blue gingham umbrella has done heaps of good and saved many a bonnet, but has never been embowered in poesy. Instead of fooling away inspiration on the beastly weather, some of the spring warblers might toss of a little metady now and then is honor of seen with marrit.

A medical ionroal fills several pages with sciention jawhreakers trying to septon why is is that the percentage of howlegs is eight times greator manage boys than girls. The reason addaesed is purely mientific, and altogether continuiting to a mind acusnominad to brow as around in search of bearinger of a common-sense nature. Any mother who has ever turacit a boy's povients wrong side out can throw more light on the question that sill the doctors - (Asinago Leager.

A Skindy of the Camet.

So European army has made a study the thes ended, and the ignorance of its manders is fund to the board, writes a the formation of the National Fishconcessiondent of The London Tele enflure association, which held its last of should be upon prioring as m-

DOMESTIC ECONOMY.

How Fish Culture Has Increased, and the Best Method for Encouraging It.-General Industrial Miscellany.

Porgress in Fish Culture.

Fish culture was undertaken in most parts of this country from necessity. In no part of the world were fish bet-ter distributed. When the country was discovered there was excellent fishing, not only all along the coast of the Atlantic, but in the numerous lakes, rivers, and small streams. In many places the first settlers would have perished during seasons when the crops failed had it not been for the liberal supply of fish. Shad were so plenty in the rivers of some of the eastern states that they were salted for use during the times when they could not be eaten in their fresh state. Dried cod, smoked herrings, and salt mackerel were among the chief articles of food in town and country. They also took the place of most of the condiments now in use. Old "dun" codfish was known as "lake cod cheese" in all parts of the coast. Smoked alewives, or Eastport herrings, were employed in place of small coins in making change in country stores, Lobsters, clams, and oysters were so plenty that they were hauled about and sold at a nominal price. Smelts, eels, hake, bluefish, and haddock afforded a variety to those

who lived largely on "the harvest of the seas." The prosperity of New England at the commencement of its history was largely due to the fish that supplied the people with their principal articles of food.

The rivers emptying into the ocean and all their tributaries, as well as be lakes that fed them, were plentifully supplied with fish. Salmon were so plentiful in many streams that the people were able to catch and cure them in large quantities. All the mountain streams and spring brooks were stocked with trout. The lakes abounded with pike, pickerel, bass, and pered. The great lakes in the west were full of trout and whitefish, and supplied the earlier settlers of the prairies with cheap and excellent food. For many years no necessity was seen for the artifical propagation of fish or even for protecting them from destruction. They were caught in nets, seines, and other apparatus that were the most easy to manage. Bams were erected across streams that prevented the passage of fish. In many places the water of streams was polluted by tasseries, distilleries, and broweries so that the last varieties could not live in them. The supply of fish suddeals fell off in almost all parts of the coun ry at arout the same time. Shad became so costly that none but the wealthy could eat them. Salmon became so scarce that they were beyond the reach of most persons. Even mackersl was expensive focal, while brook trout readily commanded 50 cents per pround in city markets. Even clams and lobsters took their places among the costly luxuries of the table.

Although fish-breeding was atten vied hy a tew persons of wealth and tonues many years ago, it has only hesome a matter of general interest since grouph. Its soution of life is directed, annual meeting at Washington during be brat work in the present month.

various kinds of fish raised in private make a very decided improvement, waters would cause many people to engage in the business of fish culture for the sake of pleasure or profit. The production of fish for food is as worthy of encouragement to an agricultural society as the production of field and garden crops that are to be used for the same purpose.-Chicago Times.

Industrial Brevities,

There is some improvement in the present over the old way of making garden and cultivating the crops. Very few now think of fencing in a plot of two hundred feet square and then going into it annually with the, spade to dig it up and after planting do all the cultivating with the hoe. The plan now is-and the better plan, too, and one that should be generally adopted,-to select a plot long in shape, plow it up instead of spading it, break the clods, if any, with the harrow instead of the rake, plant the vegetables in rows instead of squares. and cultivate with the horse cultivator, wheel-hoe, or other implements, instead of the hand-hoe. One of the advantages is that a man does the work in an hour that took days on the old plan.

L. A. Goodman, secretary of the Missouri Horticultural society, recommends setting tall-growing trees in the vicinity of buildings, to protect them from lightning. The branches of a tree are as so many points conducting the electricity by the trank to the ground, and hence the more upright the trees grow the better. The Lombardy poplar would seem to be a good style of, tree for this purpose, and much better than the broad-spreading oaks and elms. If tall trees near buildings can find a constant supply of moisture in the soil in which they grow, they will prove all the more perfect as lightning protectors. Trees will prove best set on the northerly or westerly sides of buildings, or in the direction from which the showers usually travel.

Few farmers seem to understand the value of stanchions in feeding calves. They can be made very cheaply out of any old boards lying around the farm, and save a world of time. Give each calf twenty inches space. Put a trough in front, spaced off so that each calf gets his share and no more. They will soon learn to have their heads in position at feeding time and you can fasten and feed a dozen in a tew minutes. After they are done with the milk, give a little ground teed or corn and turn the whole lot into a yard where you have some nice bay in a rack.

An experiment was made at the New York experiment station to determine distinctly the advantage gained by sprouting peas before placeing. an operation often practiced but not measured. The peas were sproated is moist sand, and when the new shouts were over half an inch in length they were carefully planted. Along side the row containing these sprouted peas was another row, planted with unsprouted seed at the same time. The sprouted seed produced pods fit for use eight days before the others.

One of the largost ranch sales made for some time has just been reported from Fort Worth, Texas. The sale is said to comprise the entire property of the Espuely Land and Cattle comhead of cattle nd 50, tall acres of laud. It goes to an English syndicate incorporated in Loadon. The consideration is not yet known, but the property is valued at 83. NH), (KH), French bekers are making large use or vaseline in cake and other pastry. its advantage over lard or butter lies is the fact that, however stale the pastry may be, it will not become rancid. The council of avgiene disapproves of the practice of the ground that the derivatives of petroleom conhin no nutriment. It does not say distinctly, however, that they are inurions to bealth.

both on pasture and meadow lands. The climate of Iowa is reported to

be changing, because farming has removed tall, dense prairie grass and dried up the ponds and reservoirs of water that formerly abounded. A Colorado paper states that the ex-

periment of maintaining a cowboy hospital is being tried at Fort Fetterman, supported by funds contributed by the cowboys themselves.

Delaware peach trees are covered with buds, and hopes are so high that over five hundred new orchards have been planted this year in the lower part of the peninsula.

Russia and the United States are said to be the only countries in the orld that have a sufficient number of torses for army purposes in case of war.

English and German houses have stablished agencies in various parts f Australia to purchase wool from the heep raisers.

The Central New Mexican Stockfrowers' association represents 100,000 ead of cattle, valued at \$2,225,000.

Finding One's Way on the Prairies. To find the way for yoursoft to a new nch across the prairie, or to drive nywhere after dark, is a feat only atmpted by the unwary. "Love will nd out a way" through bolts and bars nd parental interdiction; but Love self would be baffled on a prairie, here the whole universe stretches in ndless invitation, and where there is bsolutely "nothing to hinder" from ing in any direction that you ploase. Feller a kind of a blind trail, one aile east and two mile south," is the kind of direction usually given in the ernacular; and so closely does one altivate the powers of observation in country where a bush may be a featre of the landscape, and a tall sunover a landmark, that I am tempted a copy verbalim the written directions sent by a friend by which we were to find our way to her hospitable home: "Cross the river at the Howards" urn to the right, and follow a dim

rail till you come to the ploughed round, which you follow to the top of hill. Follow the road on the west e of a corn field, and then a dim ail across the ptairie to a wire fence. After you leave the wire fence, go up a little hill and down a little hill, then p another till you reach a road leadto the right, which angles across a ction and leads into a road going outh to Dr. Read's frame house with wall of sod about it. Through his loor-yard, and then through some orn. Leave the road after driving through the corn, and angle to the right to the corner of another corn ield. Take the road to the west of this cora and go south, up a hill, then ture to the right and follow a plain road west; afterward south, past Mr. Dever's homestcad, a frame house on he right with a stone house unroofed. somth, past a corn field and ploughed land on the right. The road turns to the right, toward the west, for a little way, then south, then a short distance east, and you reach the guide-post, which is near a thrifty-looking farm owned by Mr. Beyant: a frame house, core field, wheat stacks, and melon

TORNADOES.

The Formation and Appearance of Tornadoes, and the Premonitory Signs of Their Approach.

Time will only determine whether this will be a "good year" for tornadoes or not, says The Chicago Times. The destruction caused by them during the past few seasons has created much alarm in the districts where they have been the most frequent, and where they have resulted in causing the loss of many lives and much valuable property. The prevalence of tornadoes in some places has made cautious people reluctant to become residents of them, as no person wishes to locate in a place where life and property are rendered insecure by the action of the elements. During the past few seasons the signal office of our war department has made a special study of tornadoes, and has endeavored to collect all the facts attainable

in relation to the places where they are most likely to occur, the conditions of their formations, premonitory signs of their appearance and the character of tornado clouds and motions. It has also made investigations in relation to the best means of affording protection from them to life and property. All this information has been compiled by Gen. Haves, chief signal-service officer, and published by the authority of the secretary of war. Following are some of the important of special interest to farmers and oth-

ers living in the country: In the United States the terms evclone, tornado, and hurricane are freep quently interchanged in ordinary conversation, and in the minds of nine-tenths of the people these terms mean one and the same thing. This is not altogether surprising, considering the want of systematic instruction in accurate meteorological knowledge, and the general disposition of intelligent minds to speculate about the weather. But, in fact, the tornado of the United States is a well-defined species of storm, differing in many points from hurricages, evelones, and thunder-storms, and H is the only one that will now be considered.

Omitting consideration of the tornadoes, so called by Portugese and Spanish navigators on the African coast, and containing our attention to the United States, it is believed that these storms are possessed of the following promigent characteristics: The general direction of movement of the tor- distant thunder. The varying ingado is invariably from a point in the southwest quadrant to a point in the northeast quadrant. The tornado cloud assumes the form of a funnel, the small end drawing near to, or resting upon, the earth. This cloud and the air beneath it revolve about a central vertical axis with inconceivable rapidity, and always in a direction noise is proportionally weaker. In contrary to the movement of the hands any event, however, the noise is suffiof a watch. The destructive violence of the storm is sometimes confined to a path a few yards in width, as when should not be overlooked under any the small or tail end just touches the earth; while, on the other hand, as the body of the cloud lowers more of it rests upon the earth, the violence increases, and the path widens to the the top downward, not always in the extreme limit of eighty rods. The tor- same degree with every appearance of ondo, with nardly an exception, occurs the cloud, but the lower end of it (the patch. At the guide post take the in the afternoon, just after the hottust part nearest the earth) is invariably part of the day. The hour of greatest frequency is between 3 and 4 p. m. may be the inclination of the central Tornadoes very rarely, if ever, begin axis of the cloud to the vertical or after 6 p. m. A tornado commencing plumb line. As seen in different posiabout 5 p. m may continue its charac- tions and stages of development by teristic violence until nearly 8 p. m., various observers, located differently, which means, only, that the tornado- the tornado cloud has been callcloud may be traveling after 6 p. m., ed "balloon-shaped," basket-shaped," or after 7 p. m., but it does not de- | "egg-shaped," "arailing on the ground velop-that is, make its appearance for like the tall of an enormous kite;" "of the first time, after those hours. Out- bulbous form;" "like an elephant's side of the area of destruction, at times trunk," etc. In the majority of ineven along the immediate edge, the smallest objects often remain undis-turbed, although at a few yards distance the largest and strongest buildings are ernshed to pleces. At any point along the storm's path, where there is opportugity afforded the tornado cloud to display its power, the disposition of the debris presents unmistakable signs of an action of the wind, such as might be called a rotation, from the right through the front bodies of each joining in midair and to the left around the center. The destructive power of the wind increases steadily from the circumference of the storm to its center. Observations with a single isolated barometer will not indicate the approach of a tornado, however near the position of the instrument to the path of the storm, but such observations the storm. The tornado cloud is conare of value when a number are displayed on the daily weather map. The form to that of the upright funnel, orO tornado season is embraced between the 1st of april and the 1st of September. The months of greatest frequency are June and July. There are, however, instances in a long series of years where tornadoes have been reported in every month of the year. Taking the whole United States together, it is found that the region of greatestowerage frequency per year per square mile, embraces the following states: Georgia, Illinois, Indiana, Iowa, Kansas, Missouri, Ohio. On the day of the storm, and for the singular disposition of the rapidlyseveral hours previous to the appearance of the tornado cloud, what indi cations of its probable formation and approach are within the comprehension of an ordinary observer, and can readily be detected by him? A sultry, oppressive condition of the atmosphere. described by various observers as followed: "I really experienced a sickly sensation under the influence of the sun's rays," "I was compelled to stop work on account of the peculiar exhaustion experienced from phy-sical exertion." "It seemed as if the lightest garments that I could put on were a burden to me." "There was not a breath of air storring." "The Derrick. air, at times, came in puffs, as from a heated furnace." "I felt a want of breath, the air frequently appearing too rarified to breathe freely." "I was startied at the sudden and continued rise in the thermometer, especially at ever he wants it, but, he adds: "A this seamon of the year." 1011 terribly opprossive, it see used as if the as ever he can in the early part of the atmosphere was unusually heavy and day without drinking; if once he tastes pressing down on me with great water he becames thirsty again in healght. Enough examples have been cited hard, under a blasting sun, in clouds to indicate the effects and signs of this of dust, from daylight until it o'clock, oppressive suffringes (they signs but, once tempted to take a drink, may be found in the development and have not need able to abstain for an percenter formation of the clouds peculier formation of the clouds in | hasrat a line

the western horizon. Sometimes these peculiar clouds extend from the southwest through the west by the north to the northwest. More frequently, however, they form in the northwest and southwest, sometimes commencing first in the former quarter and then again in the latter, but in either case they are equally significant. The marked peculiarity of the clouds is found to occur not only in the form but in the color and character of development.

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The sudden appearance of ominous clouds, firm in the southwest and then almost immediately in the northwest or northeast (or perhaps reversed in the order of their appearance), generally attracts the attention of the most casual observer. In almost all cases these premonitory clouds are unlike any ordinary formation. If they are light their appearance resembles smoke issuing from a burning building or straw stack, rolling upward in fantastic shapes to great heights; sometimes they are like a tine mist, or quite white like fog or steam. Some ersons describe these light clouds as at times apparently indescentor glowing, as if a pale whitish light issued from their irregular surfaces. If the premonitory clouds are dark and present a deep greenish hue, this fairly forbodes very great evil. So, also, if they appear jet black from the center to circumference, or if this deep -set color appears only at the center, gradually diminishing in intensity as the facts set forth in the report, which are outer edges of the cloud or bank of clouds are approached. Sometimes these dark clouds, instead of appearing in solid and heavy masses, roll up lightly but still intensely black, like the smoke from an engine or locomotive burning soft coal. They have been described as of a purple of bluish tinge, or at times possessed of a strange lividness, or frequently dark green, and again of an inky blackness that farly startles one with its insensity

Another and invariable sign of the tornado's approach is a heavy roaring. which augments intensity as the tornado cloud advances. This roaring is compared to the passage of a heavilyloaded freight train moving over a bridge or through a deep pass or tunnel, or as heard on damp mornings when the sound is very clear and loud. At times the roaring has been so violent that persons have compared it to the simultaneous "rush of ten thousand trains of cars." Again, the roaring is likened to the low rumbling of tensity of the roar, as here represented, is apparently due to the lack of uniformity in the positions of the various observors with respect to the advancing tornado cloud. Those situated nearest the cloud, other things being equal, experience the loudest roar, while to those at greater distance the ciently peculiar and distinct to create alarm, and as a means of warning pretext.

The tornado cloud is, generally speaking, at its first formation funnelshaped-that is to say, it tapers from smallest, and this, too, whate

matricks in the laws that govers the concer system. Its existences has all time right termendity of a legend process. To discognoine, disarrange a camel is he spoul it; to nustle it is to kill it. Spisen, liver ompoision, beaut disease, and has result of kregularities in hours or Kabits; it broaks up almosther asdia unusual conditions of life. You can not work one of these becars to death if you use it in a proper way. But asything out of the common shrivels it up-destroys it. Its timidity is of the stupid superstitious kind. Substantial canses for fright, such as woold alarm an intelligent morse, ars disregarded by the camel. Yet it will take fright for an reason white ret, or next to neve. Acd thee, as is always the case with the upressen Sog, it poones in a moment from perparaty to panic. The only plan, therefore, when convoying with camels through an enemy's country is to hobble the animals as soon as danger threatens. The moment the scouts fall back the camels should be made to sit down and their legs should be knee-haltered They have been sent to over 25,000 such a way that they can not move, let their tremor be what it may. For once on their legs they are stampeded. and all attempts at rallying them are as futile as trying to coax a sandstorm to stop. This fact about hobbling took us some time to learn, but we learned it at last, and stampede is no longer among the dangers upon which those who accompany the convoys have to count.

Jefferson's Birthday.

Jefferson's birthday was first celebrated in Washington in 1830 by the friends of John C. Calhoun, then a presidential aspirant. The Pennsylvania delegation, thinking that there might be "a cat under the meal," insisted upon seeing a list of the toasts finding that they were full of antitariff and nullification doctrines, they refused to attend and had a private jollification. This created some stir, and by way of quieting matters, Gen. Jackson recalled a sentiment which he had transmitted, substituting for it, "Our federal union; it must be preserved!"

haughty descendant of Pochhontas, wrote to Col. Benton, declining on in- farming as with land farming. Peovitation to this initial Jefferson tanquet, and proposing as a toast, "The principles which Mr. Jefferson brought in it themselves. The establishment into power-the touchstone of the old republican party."- Boston Budget.

"Hooked."

Judge-"How did you come by these tash P

Prisoner-"I hooked them."

Judge-"What have you to say. Mr Officer?" Policeman-"He tells the truth,

your Honor; he did hook 'em, and I BIAW IL.

Judge - "Then why do you bring him here? Discharged. Next case." -Boston Beacon.

This association has added millions of dollars to the wealth of the country, and we have but just began to derive the full denegit of its labors. It has worked in connection with the national and various state fish commissims. It was stated at the meeting at Washington that the expense of hatching white lish had been reduced from \$600 to \$60 per million during the past ten years. The association has sugsted most of the means that have been adopted by state commissioners for the establishment of fishways and the management of hatcherics. It recommended many of the bills that were passed by state legislatores for the protection of hab is island watercourses. It first suggested the istroduction of the various variaties of the tierenan carp, which was undertaken by the national goverament. Only a few years ago thirty-five of these fish were brought to this country and placed in the government ponds at Washington. Some of their progeny are now in every state and territory places, and it is estimated that there are now 200,000,000 carp in the country. Most of them are still small,

which accounts for the fact that they are not in the market. The United States commissioners hav@distributed about 600,000,000 fish since 1872, and Wre prepared to send ont 150,000,000 this year. Many of them have been placed in waters where fish were never known to exist before. The experiment was in a large number of instances successful German earp are found to do well in the alkaline lakes and streams in Arizona and New Mexico, where no fish had previously existed. They also thrive in the artificial stock-ponds in Texas, Colorado, and other places where fresh fish are difficult to obtain. the day prior to the celebration, and The carp is singlularly adapted to the waters of the south, in which fish that do well in a cold climate do not thrive. Local associations are needed to encourage fish culture by means of bringing a knowledge of the methods pursued by experts before the public. Few people will attempt to start a hatchery. to construct a fish pond, or even to stock one if they have no knowled of John Randolph, of Roanoke, the the business except that derived from books and papers. It is with water ple desire to see how a new operation is performed before they will engage into power, and which brought him of a new hatchery or artificial tish pond in a county will cause many people to visit and and see how it is managed. The directors of county agricultural societies could render fish culture profitable by establishing a breeding establishment on their fairgrounds. It would be a great attraction at the annual fairs, and help swell the receipts. It could be rendered remunerative in other ways. Breeding fish could be obtained free of cost

from the national or state commissions, their eggs hatched, and the small fry

ponds. The offer of premiums for land. A good houselful divesting will contary

According to the bulletin of the So conty of Naturalists of Moscow, the hite orto anamoustable destruction of pige forests is caused by the ravages of a species of mushroom which takes growth on the surface of the wood ond atterward penetrates and destroys the tree. Maps are given in which the path of the destroying fongus is traced through the pine woods of Russia.

A Mississippi paper says that there has recently been a notigeable growth in the use of cottonwood for the manufacture of furniture. Recently a steamer took 100,000 feet from that locality to Cincinnati for furnituremaking purposes. There is a selvage of cottonwood all along the Mississippi, on the bottoms below Cairo.

The Russian crop of wheat averages about 200,000,000 bushels per year, about one third of which is usually exnorted. The ability of her inhabitants to subsist upon so small a proportion of her wheat crop is due to the fact that the rye crop averages about 600,000,000 bushels, about 40,-000,000 of which are annually exported.

Mr. Jacob Trungenwalt, of Philadelphia, has discovered that cattish skins may be tanned into elegant and serviceable leather. His first experiment was on a skin of a tish weighing about 160 pounds. He has now been engaged in the business for several years, and finds it very prolitable.

A Virginia farmer recommends placing brush between the ringes in which sweet potatoes grow, to allow apport for the vines. He thinks better and larger tubers are produced when the vines get the full benefit of the sun, as they do when they are raised from the groun 1.

The farmer king of Alabama is Bragg B. Comer, of Barbour county. He raised 2,250 bales of ootton last year, besides a large amount of corn He has from eight thousand to ten thousand acres in softon and corn this year, and says crop prospects were never better.

An English horticulturist states that his crop of all kinds of fruit has greatly increased since he engaged in here keeping and distributed his hives about his orchard and plantation of bushes. This is the scheme to spread wood

sold to persons who desire to stock | ashes, leached or otherwise, on grass who succeeds - more dates gedan, The

the right, till you come to two coads. Follow the right-hand road (a dim trail at first) down the hill, past some bay-stacks, to the Osage-orange hedge. Follow that to the creek crossing, then through the grove of sunflowers to a sud house. Go through the corn directly west, following the creek to the crossing near our house.

going south, with corn

The distance was sixteen miles, but we took the letter with us, and found the way without the slightest difficulty. though a little puzzled at first by find-ing that "at the Howards" mean meant ony where within three males of the Howards'. - Alers Wellington Rollins, in Imper's Magazine for June.

Fire on a Kansas Prairie.

"What are your precautions against

Gro?" Admetus had asked a few days betore. "Such as will delight your homeoothic soul," answered the Enthusiast. 'A can of kerosene and a bundle of matches to set back fires with, though the fire-guards of ploughed ground that you have seen all round the ranch are the ounce of prevention, better than any cure Then we always keep a hogshead full of water at the stable, ready for carting to the spot."

"A hogshead of water! What good can a hogshead of water do against a prairie fire?"

"Oh, we don't put it on with a hose, I assure you. My imagination gasps at the conception of managing a prairie fire wha a hose. We dip old plankets and old clothes in it, or boughs of trees if we can get them, and beat the fire down with them."

The illustration followed soon. All day smoke had been drifting over Carneiro, and at night-fall the scouts reported that the whole force had better be put ou. The "whole force" at the moment consisted of about twenty men who had just come in to supper, and who started at once in wagons and on horseback. Ponies were ordered after dinner for the entire houses hold, even the ladies riding far enough to have a view of the exciting scene. There were no tumbling walls or blazing buildings, and there was no fear of lives being lost in upper stories; but there were miles upon miles, acres upon acres, of low grass burning like sea of fire, while in the twillight shadows could be seen men galloping thereely on swift pontes, while the slow wagons crept painfully, lest the preclous water should be spilled, from every homestead, each with its one pitiful hogshead. It seemed incredible that such a mass of flang could. ever be put out by such a handful of workers; and it was only, indeed, by each man's laboring stoadily at his own are of the great circle, trusting blindly that others were at work on the other side, as of course they always were, that the hirid acous darkened down at last .- Allos Weltmotos Rollins, in Barper's Mayarine for Juce.

The general or the man who does what can mobilies by expected ton required to the one

stances, however, observers describe the cloud as appearing like an upright funnel. When the small end of the cloud just reaches to the earth, the violence of its whirl causes a peculiarly-formed eloud of dust and finelydivided debris, around which play small gatherings of condensed vapor. To appearances now, the tornado cloud has two heads, one on the surface of the earth and the other in the sky, the tapering both ways with the smallest diameter at their junction. In other words, the cloud now assumes the shapoos an hour-glass, and the lower portion displays extraordinary destructive violence. This last and most fatal form of the tornado cloud Qs fortunately not a constant feature of stantly changing from the hour-glass some other intermediate shaps previously referred to. The various gradations of form, not any of which, however, affect the stereotyped relation between the size of top and bottom, number some twenty-live or thirty, so far as reliable information has been secured upon this point, These variations of form depend upon the peculiar movements of the whirling currents of air within and about the tornado cloud, the direction of the currents being outlined to the eye by condensing masses of rapor.

A Reciprocal Spirit.

"I can't find my tooth brush anywhere," said a Cottage Hill young lady, looking all over the house for the article.

"I'll len' von mine." accommodatingly suggested the colored kitchen girl

"Oh. no, thanks!" replied the young indy turning away.

"Nou needn't hab no combustion about takin' it, miss," persisted the girl, "for I's used yours sometimes when I couldn't find mine."-Oil City

The Use of Water.

Water, says a traveler who has had many years' experience in hot countries, should be given to a horse whenwas man should always try to do as long half an hour. I have often ridden