AT SEA.

O, we go down to sea in ships-But Hope remains behind, And Love, with laughter on his lips, And Peace of passive mind; While out across the deeps of night, With lifted sails of prayer, We voyage off in quest of light, Nor find it anywhere. O, Thou, who wroughtest earth and

sea, Yet keepest from our eyes The shores of an eternity In calms of Paradise, Blow back upon our foolish quest With all the driving rain, Of blinding tears and wild unrest, And waft us home again.

-James Whitcomb Riley.

## Sandvig and St. Xavier.

BY FRANKLIN WELLES CALKINS.

ENDER BERTHRESTERNING FREE FREE FREE When Hercules Dousman was chief factor for the Astor Company at Prairie du Chien, he used frequently to tell the story of Sandvig and St. Xavier, who were perhaps as oddly assorted a pair of friends and partners as ever got to-

They were trappers. Ole Sandvig was a flaxen-haired Norse giant, who stood six feet four in his moccasins, weighed over two hundred pounds, and had not an ounce of flesh to spare. Denis St. Xavier was a dwarf in size, black as an Indian, and bow-legged as a voyager boatman. Ole was the soul of good humor, and Denis was choleric and at times rashly abusive.

Both, however, were of undoubted courage, and more than once the hotheaded little French-Canadian was rescued from the perils of a dangerous quarrel by the prowess and vast strength of his big partner.

There had been a protracted and severe drought in the upper Mississippi country, and the smaller streams and lakes had all gone dry. Fur-bearing creatures were driven in upon the large streams, and the Mississippi itself became prime trapping-ground for gathering beaver, muskrat, mink and otter pelts. As there was little snow skates, and covered a wide extent of

Sandvig and St. Xavier chose trap- trail. ping-grounds some fifty miles below Prairie du Chien and above the mouth St. Xavier knew that he was a heavy the fort for several months, like a of an Iowa river. There were, as these drag. He wished he had clung to his love-sick and disappointed squaw, the trappers believed, no Indians wintering nearer than the villages of the Sacs and Foxes some distance away, and they put out long lines of traps without attempt at concealment.

One night in November there came a on the following day, the trappers went their rounds on skates, both were much astonished and mystified to find that every trap had been stoken on each bank of the river.

When they compared experiences at night, they came to the conclusion that Indians must be lurking in the neighborhood. On the next morning they skated down the Mississippi to the mouth of the little river some miles below their shack, and there discovered traces of two canoes which had evidently broken through a thin scum of ice in making their way up-

Instantly the mystery of the stolen traps was solved. Indians had, early on the night of the first freeze, gathered the whole "line." In returning in their canoes, they had found the mouth of the small stream thinly covered with ice.

St. Xavier broke out in a frightful temper, and to Ole's advice that they secure aid from the trappers up the mile in width. river he would not listen. What were five, six, ten pilfering Indians, he asked, that two good men should fear his stolen gun, and didn't he make them give it up? Well, then!

And so the two skated on up the little river in search of the thickes.

And they ran quite suddenly upon an Indian village of newly built arm, or broad bayou, of the river. The lodges were of woven willow built in a marsh of tall corn-stalk grass, with closely tied bundles of which they were heavily thatched. They were prothick fringes of willows.

The trappers boldly approached this Iowa town, walking up a narrow path where the swaying corn-stalk tops brushed Ole Sandvig's shoulders.

But when, on arriving at the lodge of the chief, they found that Conkey John, a notorious Musquakie scalawag, was "head man," they abanering their traps. Only the summer by simply doubling his legs, and then before, at "the prairie," St. Xavier had delivered a kick with his free foot, telling him some emphatic truths about his dishonorable career.

of English.

"Ho! You tlaps?" he inquired. "Heap Sac up libber (river). He go the pursuers were running like a per- than others. Next in order come the by las' night. Him have many tlap; sistent wolf-pack close upon Ole's yellow flowers, then the red, after heap muslat; heap skin."

lled, and his shrewdly twinkling eyes them, in a vengeful heap, on Ole and give off a pleastag perfume. In the betrayed his enjoyment of the situa- St. Xavier.

ongry threats, until Sandvig, dragging at the Musquakies. Having one free Companion.

wished to make a prudent retreat from or save himself if he should choose.

so dangerous a nest of freebooters. ing, had increased to a gale, and was they bent every energy upon winning blowing directly in their faces as the the hotiv contested race, and they trappers put on their skates at the were pricked on by the keenest of savbehind him, and cocked his gun. When fours, as now and then happened, the he had securely fastened his skates, fierce wind and his own impetus bore the Norseman rose to peer over the him forward until, catlike, he had retop of the waving grass.

At the same moment St. Xavier's of speed. rifle cracked, and Sandvig turned to see that the angry Frenchman had turning an island, the skater caught fired into a thick tuft of grass. Instantly Ole darted forward to smother ble line of white blisters, or ice-bubthe first tiny shoot of flame, but the bles, a hundred yards in front of him wily Denis tripped him, and both men There, he knew, was a streak of this sprawled on the ice.

flames, blown upon by the high wind, leaped higher than his head.

"Now come!" he shouted angrily at ve skato mighty fast already!"

ready unbuckling the useless skates. bubbles by a dangerous margin. He looked up, grinning ruefully.

"Ole, you geet out of dis."

dacious partner for an instant while in a flight like that of a wheeling the flames crackled and roared inland. hawk. "De onliest time," St. Xavier used to The Indians saw their danger, but never buy as good fruits and vegeta- ble from robbers taking the food presay afterward, "dat ever I see Ole too late. In vain they flung them Sandvig mad."

He flung off his greasy leather coat, cut ice. The foremost broke through in a garden and used immediately. off the sleeves and ripped them into twinkling, and one after another a Frenchman, bundled him into the breach, and floundered up to their armless garment, and made the live armpits and necks in a freezing curpackage fast to his belt behind. Then, rent. leaving both their guns upon the ice, St. Xavier shouted. Ole Sandvig he skated away into the teeth of the too, stopped at a safe distance to get

Thus helplessly dragged, St. Xavier great Norse roar of laughter. looked back to see the Indian town already ablaze, and the helpless Mus- The stalled Musquakies had, in fact quakies, men, women and children, hard enough work to save their lives. running out upon the ice. Now that Sandvig and St. Xavier were a mile he had time to reflect, he doubted if, away when the last one was fished with his short legs and heavy body, he out over the bending, breaking ice. could even have skated away from The trappers reached Prairie du for several winters, many of the trap- those Indians. Some of them would Chien that evening, and there Sandvig pers made their daily rounds upon of course cross the V-shaped penin- cut loose from his partnership with St sula between the rivers to throw Xavier. He declared he would have themselves across Ole's path, and oth- nothing further to do with such a During the last of these dry years ers would follow directly upon his venturesome fool.

gun, and made Ole save himself.

The big Norseman bent against the Youth's Companion. flerce wind, and plied his skates with might and main. If only he might SOME IRON AND STEEL RIDDLES, the sweepstakes prize at the National day. The rapidity with which food That dozens of people die annualmake the turn, some three or four miles distant, and get started with the "dry freeze" which scaled the Missis- wind before those Indians should cross Changes in lensile Strength and Elassippi over with glare ice, and when, the neck! That was Ole's sole hope of

behind. Bent almost double, he turned steel, it may seem strange to still curve after curve of the river, and speak about riddles wrought in these the helpless St. Xavier slipped and metals. Nevertheless, in everyday slewed, and sometimes rolled over and practice, we are constantly confrontover at his heels. A half-hour's strug- ed by riddles of one kind or another gle against the fierce gale left Ole when dealing with iron and steel, parpretty well blown when the turn came; | ticularly the latter. and even then he dared not abate his Why is it that we can raise the tremendous exertion. He skated al- strength of soft staybolt iron of, say most at the speed of the gale for two 47,000 pounds per square inch, to 60,miles or more.

channel, the skater saw that his long cation of stress? Why is steel coming and exhausting burst of speed had from the rolls or hammer weaker, and been without avail.

were ahead of him. Ranged across still, a week? the ice-channel, a score of Indians stood ready to converge their line up- suitable material have been either on any point at which he might aim. thrown out by the mill people them-And owing to the great drought, the selves or were rejected by the inspectchannel was less than a quarter of a ors because it failed to meet specifica-

back and race against the wind again. one nor the other of the parties knew Then his shrewd eyes, running along that steel is in a disturbed physical the row of clearly outlined figures, state after rolling or hammering, no alone to Wabasha's Sioux village after noted that the Indians were armed, if matter how good the material, and armed at all, with their knives only. carded their guns, they had themselves steel during the period of rest? Seeing that he and St. Xavier had disraced across the neck in lightest runupon a marsh island formed by an of the enemy. Their center and right strength. What law, if it is a law, swung about in a sliding, scrambling governs this phenomenon? Person-

semicircle to close in upon him. knocked two Indians out of his path, and from the winds of winter by the and tore through the crowd of savages erty of steel to gain strength, if allike a cannon-ball. Nevertheless, he feet.

Ole then gave himself up for lost. His speed was greatly retarded by this fresh clog, and a horde of yelling Indians were at his heels. But St. Xavidoned all hope of immediately recov- er drew the sliding Indian toward him offended this redoubtable scoundrel by which, being well directed, rid him of his incubus.

Nevertheless, Ole, tired and breath-Nevertheless the trappers boldly en- less, was now no more than a match tered Conkey John's teepee, and de- for the Indian runners. These were manded their traps and peltries. Con- clad only in shirts and leggins, and, key John's answer was characteristic almost as sure-footed as the skater, discovered that out of 4,300 species of of that wily thief. The fellow had leaped and slid on their moccasins now flowers cultivated in Europe, only 420 picked up, somehow, a fair smattering almost as fast as the tired trapper on possess an agreeable perfume. Flowhim steel runners.

At the end of another quarter-hour als are more frequently odoriferous heels. Ten or twelve of them were so them in blue, and finally the violet, The trappers knew Conkey John close that a single mishap would pile of which only 13 varieties out of 303

St. Xavier poured forth a torrent of some satisfaction in shouting deflance smell, either good or bad.-Youth's

him from the lodge, compelled him to arm, he also flourished at them a knife be quiet. There was nothing for it which he held ready, at the last exbut to return to Prairie du Chien emp- tremity, to cut the thong above his ty-handed, and the sensible Norwegian | head, and thus leave Ole free to fight

The Indians made no answer to St. A wind, which had risen that morn- Xavier's revilings. Like the skater, lower extremity of the island. Ole age incentives—the lust for revenge. Sandvig cast several furtive glances Even when one fell forward upon all gained his feet without perceptible loss

Thus the race continued; then, in the glimmer of an almost imperceptiice where a swift cross-current ran Before Sandvig could regain his feet, round the island bars. He had already avoided several such air-holes, but now he continued straight on.

He slackened his speed until a dozen his mate. "Ve sall boto be killed, oder or more of the Indians were almost upon him. These were gripping their all. In the collision with Sandvig he when the cunning skater darted aside may be expensive if not carefully at- and stored away in the brood chamber, and gives the flower its name. Upon had broken both runners. He was al- at a sharp angle, avoiding the ice-

The big Norwegian glared at his au- mighty swoop, shot past the thin strip There is one point in favor of a gar- bees out. I have had many bees imitated by another plant called Dio-

Ole wasted no words in his wrath. in the hope to slide over the cracking be as fresh as those taken from the getting to relieve them. When feeding string. Then he seized the little dozen plumped into the widening

his breath, and then to indulge in a

The pursuit was effectively checked

"Nevertheless," Dousman was wont Ole was a magnificent ckater, but to add, "after Denis had moped about two went off together again."-

ticity.

In view of our apparently extensive Not once did the swift skater look knowledge of the nature of iron and

000 pounds per square inch either by Then, in emerging from an island heat treatment or by repeated appliless ductile, than the same steel is The fleet-footed Musquakie runners after lying a day or two, or, better

There is no doubt that many tons of tions, causing needless vexation and At first Ole was inclined to turn friction simply because neither the better. Now, what takes place in the

Another riddle is that we can raise ning gear; and so Sandvig, gathering the clastic limit and ultimate his energies for a mighty burst of strength by a successive application of speed, bore down upon the left wing stresses very much above the original ally, the author is convinced that many Instead of attempting to dodge the errors of design or inherent weakness gathering knot in his front, Sandvig of the steel have been modified in their dove straight at the group. He probable consequences, and breakdowns averted, by this peculiar proplowed to rest after having been subfelt an extra tug at his rope, and ject to stresses within certain limits. glancing behind, saw that an Indian It was the knowledge of this fact was clinging to one of St. Xavier's which enabled the author of fight for steel and defend steel for structural purposes at a time when that metal was not yet a favorite with the engineer by any means. We are all familiar with the discovery of cast fron getting stronger by tumbling in a tumbling barrel, but for all we know it is still an unsolved riddle what the conditions really are producing such effects .- Paul Kreuzpointner, in Cassier's Magazine.

## Colors and Smells.

A German botanist is said to have ers with white or cream-colored petwhole list 3,880 varieties are offensive As for the Frenchman, he found in odor, and 2,300 have no perceptible



CULTIVATION OF QUINCE TREES. But few farms contain quince trees. One or two quince trees will be found valuable for a family. The quince tree is a great feeder and requires cultivation, as it soon shows the effects of neglect. In the markets there is seldom a full supply of quinces, and hey bring good prices.

ROUGH FEED FOR SHEEP.

Watch the feed racks and see that everything is eaten clean within two hours from feeding time. For rough corn fodder next. Timothy cut when in early bloom is also excellent.

BEST DIRECTION OF LABOR.

labor in the best direction. A garden ing they will have it all carried below shaped vessel which forms the bloom tended to, as the weeds soon take pos- and outside bees will not know any the invitation being accepted, the insession. The receipts from a garden thing about it. By this method my sect is drowned in the very liquid prof-The ice cracked under him, and St | may also be less than the cost of the | bees get all the benefit of feeding at | "De las' of St. Xavier," he said. Xavier's heels actually broke through product, but the season, kind of crops the entrance. You must shut your ward assimilated into the substance as Sandvig, quartering the wind in s grown and rainfall affect the results. bees in in order to shut the robber of the flower. This feat is very well den, however, which cannot be disre- drowned in the patent feeder. Under nea muscipula (fly-catcher), and both garded, which is that the farmer can the plan described I have had no trou- of these may be seen committing their bles as he can grow. No vegetables pared for the needy ones. I do not Kew. selves upon their faces or their backs shipped to the farm can possibly leave my bees shut up all day by for-

VALUE OF DAIRY SCHOOLS.

The National Stockman publishes the following article: During one of the sessions of the convention at Fair- THE SAVING IN CATTLE FOODS. mont, Minn., the discussion turned on | The saving in cattle foods by the the value of the dairy school, when use of the whole stalks of corn, and back in the audience a gentleman the reduction of straw by cutting, has arose and told this story: "I was out done more for farmers within the past West, working in a creamery and ten years than any other system of earning \$300 a year. With a wife and feeding. The shredder cuts and tears known it all their lives is one that is several children I had a hard time to the stalks, removing the ears at the get along. I was doing the best I could, same time. The hard outer covering throughout the United Kingdom. This market price and I became somewhat not reject so much as formerly. The discouraged. Finally I borrowed \$50 most important advantage in shredand went to the Minnesota dairy ding the stalks is that as all portions school. There I learned everything are made fine they can be used in the again I found a place at \$60 a month, manure heap in a condition which and whatever prosperity I have since renders them of great aid in preservhad is due to the month that I spent ing manure. Root cutters or pulpers should happen to touch it, bloodat the dairy school." We think that are now so improved that but a few this might be the history of others minutes are required to slice a bushel other States besides Minnesota. This but where a farmer has tread power is usually fatal, as there appears to be man has since taken many prizes at or a small gasoline engine a large no reliable cure for this disease when summer. Not every one could do as in proportion to the crops grown. well, but he had the determination to succeed, and only needed to be taught how to do it. One such case would repay the expense of many days of school.

WATERING IN STABLES.

At a farmer's institute in Ontario one stock feeder said both milch cows and fattening stock should have water constantly by them in the barn. He usually watered from a tank twelve filled by water from the roof, so ar- fond of them. ranged that they could have water when they pleased. By an accident to clover is a most nutritious and desirthis tank he was obliged for a time to able food for poultry. bring water from a spring and watered not estimate the loss to the fattening every month in the year. cattle, he knew that two milch cows fell off one-third in their milk as a result. His neighbor, also a feeder, thought it was necessary for the stock to be turned out every day for water and exercise. By keeping his cattle in cow be fattened, care should be taken the stable and water constantly with- not to feed any fattening food. neighbor, and sold them at 50 cents cows should have a separator or not. per hundred weight more than the neighbor received. . We think he did having water where they could drink when they wished to do so, and take it little and often, but we think some of the difference is due to the temperature of water in the tank and that from a spring or well. The supply from the tank would seldom reach below 60 degrees if it was properly made, below 50 degrees, and if run into a of a good one. trough may be much lower in cold weather .-- American Cultivator.

HOW TO MAKE A START.

you have not pure stock. There are profit by cutting off on the feed bill. advantages in either way of getting pure stock. Personally I prefer purchasing a trio or more of birds. The how many are purchased. From \$10 udder. worth of eggs one can hardly expect to have more than 24 pullets for next season, not so many choice ones, and probably six salable roosters. While the chicks will all be of an age, you may have them of an age from two or three hens, by saving the eggs until there are several dozens, and the hatching per cent. will doubtless be eggs are cared for properly.

From \$10 worth of birds purchased good prices. last February I now have 28 very nice and almost every egg hatched. I saved are so troublesome.

the eggs until I had enough to set under four hens and set all at once. The eggs were turned every other day, kept dark and cool and hatched vigor-

ous chicks with few exceptions. Examine the birds for lice as soon as reecived, also watch for symptoms of cold. Don't expect them to begin | The Treacherous Nature of the Arum Lily laying immediately; they will need some time to rest after January. Don't get them unless you can give them more than scrub care. When settings of eggs are received, let them rest 24 hours before placing under hens or in an incubator. The variety does not matter so much if you get good ones of the breed.-Emma Clearwaters, in New England Homestead.

FEEDING BEES.

I have tried many ways of feeding bees, and have found none as good and capes alive, although intoxicated, but feed the greater variety the better. practical as this. I have a frame or at others it dies in the clutch of the Good clover hay is the best, and bright two of empty comb for the super of an arum. empty top hive, and at evening, after the bees are about done flying, I re- unhappy flies by the pitcher plant move the cover, take out the frame and fill the combs with syrup, honey, Farmers do not always devote their or whatever I choose to feed. By morn- drink, stored in the curious pitcherat the entrance they will take the food when the weather will not permit them to fly out .- F. R. French, in the Epitomist.

but the butter did not always bring of the stalks is torn, and cattle will within reach, and when I went out stalls for bedding or thrown on the wears gloves, for if there is the least who have attended dairy schools in of carrots or turnips, even by hand, which is by no means infrequently, it State fairs and conventions, received amount of food can be prepared in a arising from such a cause.

> SHORT AND USEFUL POINTS. Whitewashing the poultry-house is

seasonable at any time. One of the best forms of economy on the farm is to protect the stock from the cold.

When the weather is cold scald the morning mash and feed it to the hens while warm.

Buckwheat or millet are not dear, feet deep and twelve feet in diameter, as a rule, and the poultry are very

Experience has plainly shown that

Wheat bran is a material that can at regular hours, and while he could be fed to cows to an advantage during Farmers who market anything

should make it their business to find out the value of uniformity. Unless it is intended that the dry

in reach of them, he fatted his for There is no longer any doubt as to stupefying powers and died within a market in six weeks less time than his whether a man owning ten or more very short time.

anyone to train for you unless you are not overestimate the importance of fully satisfied that he is a competent man. Hogs should not be fed for twenty-

Don't turn a valuable colt over to

four hours before slaughtering. When fed within this time they do not bleed freely Only the best of stock should be kept. No amount of feeding or care

while well or spring water is usually will make an inferior animal the equal Why don't the farmers raise a few

the poultry line. It is time to decide which you will It is much better to feed a cow every do, buy eggs of some pure breed or ounce of food that she can possibly purchase a trio or more of birds, if take care of than to try and make your

cellent eating, and affords a variety in

As the cow's udder is a very delicate gland, the farmer should bestow great care and attention upon it. Might as first cost of birds or eggs depends upon well upset the milk pail as upset the

> The careful dairyman usually knows just about how much food each cow can eat and digest. There is no more money in giving stock food that they cannot use than there is in starving them.

Dry-picked poultry sells the best. When picked, let it lie until all the anihigher from one's own birds than mal heat is out of it, and then pack from shipped eggs, if the birds and in nice clean barrels or boxes. This is one of the many ways of getting

It is suggested as a preventative of pullets, sold five roosters for breeding lice that a piece of burlap sacking be purposes, have five more on hand and tacked on the roosts and saturated also the original birds, except one with kerosene. This ought to work which was stolen. The birds secured good, and should be of especial value iast February were fine young ones, during the summer months when lice

## MURDEROUS FLOWERS.

SOME ATROCITIES COMMITTED BY ATTRACTIVE PLANTS.

-Death Meted Out to Unhappy Flies by the Pitcher Plant-Criminals Executed

by a Plant in China.

Professor Bottomley, in a recent lecture at the London Institution, mentioned the treacherous nature of the common arum lily, or cuckoo-pint, which, after attracting flies by entertaining them upon the sweet polica stored in its interior, imprisons therm for the purpose of fertilization, says the London Daily Mail. Sometimes when the flower withers the fly es-

Death more certain is meted out to (Nephenthes Dormaniana), which offers to the insects a cool, refreshing fered to it as a beverage, and afteratrocities "in full working order" at

For wiping out the fly family, however, Rafflesia Arnoldi has the biggest reputation. This plant has a large crimson blossom, giving off the odor of carrion flesh, a perfume irresistible to any fly of taste. In this apparently delightful spot the confiding female deposits its eggs, and goes on its way rejoicing, only to find on returning that the rafflesia has dissolved the lot. In this way a single bloom will destroy hundreds of thousands of em-

bryo flies in a year. A plant which kills men who have to be found in thousands of gardens is the variety of ordinary garden primula known as obconica, and many gardeners have met their deaths at its hands. When potting up this plant the experienced horticulturist usually scratch or thorn prick on the fingers, and one of the leaves of the primula poisoning is almost always sure to follow. When erysipelas intervenes,

Creamery Buttermakers' Association can be cut, and the fact that the work by indiscriminately eating berries in Topeka, Kansas, in 1898, and the can be done in winter, under shelter, and other things without any knowlfirst prize at the Paris Exposition last enables the farmer to keep more stock edge of their nature is, of course, a well-known fact, but where the plant itself aids by masquerading under false pretences they are not so much to blame. This is the case with the aconite, which in appearance and flavor very much resembles the horseradish. Two women living in Bedford scraped and ate some of a root with their beef on New Year's Eve in the belief that they were partaking of horseradish. It turned out to be aconite, and they both died shortly afterward from the effects of the poison.

That the poppy will kill people who look at it seems rather a Munchausenlike statement to make, but it is, nevertheless, a true one. In Asiatic Turkey and adjacent districts many huge fields of this flower are cultivated for the manufacture of opiu... In such quantities the blooms give off an odor which, although imperceptible to persons who are accustomed to it, is completely overpowering at first. So deadly is the odor that there are over 100 cases in which visitors to those poppy farms, who have stopped too long to admire, have succumbed to its

In some parts of southern China criminals are executed by a plant in a very curious way. One of the numerous species of bamboo to be found there grows very rapidly, often making as much growth as an inch an hour. Over one of these plants the victim is bound and left until the bamboo has sprung up and killed him by piercing his body, which is only a matter of a day or two.

In western Australia is a huge kind of outspread cactus, called the "cannibal tree," often twelve feet in height. This is said by travellers to have the Guinea hens? Their flesh makes ex- power of dissolving men in the same way that a pitcher plant dissolves a fly. The extent of its powers has not yet been fully proved, but an unlucky dog, who was selected to undergo martyrdom in the cause of science, was completely assimilated.

## The Sewing Machine.

Elias Howe has perhaps gained more fame than falls to the lot of most inventors. His product was the sewing machine, which was patented in 1846. This was a simple affair hardly comparable to the complicated, delicately adjusted, marvellously efficient machine of to-day. The value of this invention may be seen from the fact that the cost of all sewn goods has been reduced ten-fold in consequence. The sewing-machine industry now produces 850,000 machines a year and gives employment in America alone to more than a hundred thousand per-

It has its disadvantages-among others that it has ruined the health of many well-meaning and industrious women-but this is an aspect of the matter for which the machine's great inventor can hardly be blamed .- New York World.