to Erect Them.

At the last meeting of the Farmer's Club, in New York City, Jan'y 16th.

Mr Robinson said:- In answer to many inquiries upon this subject, I will start a balloon from the foundation, and finish it to the roof.

I would saw all my timber for a frame house, or ordinary frame out-building, of the following dimensions; Two inches by eight; two by four; two by one.

I have, however, built them, when I lived on the Great Prairie of Indiana, many miles from saw mills, nearly all of split and hewed s'uff, making use of rails or round poles, reduced to straight lines and even thickness on two sides, for studs and rafters. But sawed stuff is much the easiest, though in a timber country the other is far the cheapest.

First, level your foundation, and lay down two of the two-by-eight pieces, flatwise, for side walls. Upon these set the floor sleepers, on edge, 32 inches apart. Fasten one at each end, and, perhaps, one or two in the middle, if the building is large, with a wooden pin. These end-sleepers, are the end sills.

Now lay the floor, unless you design to have one that would be likely to be injured by the weather before you get the roof on.

It is a great saving, though, of labor, to begin at the bottom of a house and build up.

In laying the floor first, you have no studs to cut and fit around, and can let your boards run out over the ends, just as it happens, and afterwards saw them off smooth by the sill.

Now set up a corner-post, which is nothing but one of the two by four studs, fastening the bottom by four nails; make it plum, and stay it each way. Set another at the other corner, and then mark off your door and window places, and set up the side studs and put in the frames. Fill up with studs between, 16 inches apart, supporting the top by a line or strip of board from corner to corner, or stayed studs between.

Now cover that side with rough sheeting boards, unless you intend to side up with clapboards on the studs, which I never would do except for a small, common building.

Make no calculation about the top of your studs; wait till you get up that high. You may use them of any length, with broken or stub shot ends, no matter.

When you have got this side boarded as high as you can reach, proceed to set up another .-In the meantime, other workmen can be lathing the first side.

When you have got the sides all up, fix upon the height of your upper floor, and strike a line upon the studs for the under side of the joist. Cut out a joist four inches wide, half an inch deep, and nail on firmly one of the inch strips, Upon these strips rest the chamber floor joist. Cut out a joist one inch deep in the lower edge, and lock it on the strip, and nail each joist to each stud.

Now lay this floor, and go on to build the up per story, as you did the lower one; splicing on and lengthening out studs whenever needed, until you get high enough for the plate. Splice studs or joists by simply butting the ends together, and nailing strips on each side. Strke a line and saw off the top of the studs even upon each side-not the ends-and nail on one of the inch strips. That is the plate. Cut the ends of the upper joist the hevel of the pitch of the roof, and nail them fast to the plate, placing the end ones inside the studs, which you will let run up promiscuously, to be cut off by the rafter.

Now lay the garret floor by all means before you put on the roof, and you will find that you have saved fifty per cent of hard labor. The rafters, if supported so as not to be over ten feet long, will be strong enough of the 2 by-4 stuff. Bevel the ends and nail fast to the joist. Then there is no strain upon the sides by the weight of the roof, which may be covered with shingles or other materials-the cheapest being composition or cement roofs. To make one of this kind take soft, spongy, thick paper, and tack it upon the boards in courses like shingles. Commence at the top with hot tar and saturate, the paper, upon which sift evenly fine gravel, pressing it in while hot-that is, while tar and gravel are both hot. One coat will make a tight roof-two coats will make it more durable.

Put up your partitions of stuff 1-by-4, unless where you want to support the upper joist-then use stuff 2 by 4, with strips nailed on top, for the joist to rest upon, fastening all together by

nails, wherever timbers touch. Thus you will have a frame without a tenon or mortice, or brace, and yet it is far cheaper, and incalculably stronger when finished than though it was composed of timber ten inches square, with a thousand auger holes and a hundred days' work with the chisel and adze,

making holes and pins to fill them. To lay out and frame a building so that all its parts will come together, requires the skill of a master mechanic, and a host of men and a deal of hard work to lift the great sticks of timber into position.

To erect a balloon-building requires about as much mechanical skill as it does to build a board fence. Any farmer who is handy with the, saw, iron square and hammer, with one of his boys or a common laborer to assist him, can go to work and put up a frame for an out building, and finish it off with his own labor, just as well as to hire a carpenter to score and hew great oak sticks and fill them full of mortices, all by the science of the 'square rule.'

our aid to put a stop to. Besides, it will enable many a farmer to improve his place with new

paying for what I do know is the wholly use- their speed, and scamper off, while those who courage. less labor of framing.

another, that may be thus erected, but those arms of their mothers, and that so quietly that we would follow in his wake.

The Hyena.

ITS COWARDICE, TERRIBLE POWER OF ITS JAWS

There are several species of hyenas, all of them possessing certain peculiarities which distinguish them at once from all other animals, the principal marks being the length of their fore-legs, and the enormous power of their jaws Their fore-legs are so much longer than their hinder, that the animal moves with a kind of shambling shuffle, that gives it a sneaking appearance, too well borne out by its character -The expression of its countenance is that of untameable, ill-natured ferocity, and its voice resembles an exulting demoniacal laugh. Altogether, it is about as unprepossessing an animal as can well be imagined. Its habits are such as to deepen the unfavorable impression which for it mostly derives its food from dead bodies of men and animals, for the one robbing the cemeteries, for the other scouring the streets, if it lives near mankind, or following the track of the lion and other beasts, if it lives in the desert, and disputing the prey with them. If the body of any departed friend is intended to rest in peace, the survivors are forced to fence in and protect the grave by a strong fortress of thorns and prickly shrubs, as the hyenas very soon scrape away the earth of a newly made The jaws of these creatures are more power-

ful than those of any other animal, and to give them this power, the top of the skull is surmounted with an enormous bony ridge, serving for the support of the immense muscles that move the jaws. The lions and tigers possess tolerably powerful jaws, and have, accordingly, a large ridge on their head; but they sink into insignificance when placed beside the skull of a hyena. The object of this enormous power of jaw is evident. The hyenas are intended as scavengers, to remove from the face of the earth those substances which would otherwise putrify and po'lute the air. Among these substances may be placed the dead carcasses o large animals, which, in the country where the hyena lives, are frequently seen thrown down unheeded, and, if the hyenas and vultures did not remove them, would be suffered to remain there until they had wasted away by putrefaction. It is, therefore, with a view to this end, that the jaws of the hyena have been made so powerful. When they discover a dead animal, it soon vanishes, for the hyenas leave nothing but the horns, hoofs and skull, even the very bones being devoured. Between the teeth of a hyena the leg bone of an ox is broken up as easily as a schoolboy cracks a the bones for the sake of the marrow, but de vours bones and all.

Dr. Buckland, who made several experiments on the strength of hyena's jaws, compared them to a crushing mill, or those enormous shears us ed in foundries to cut up rolls of iron and copper. These experiments were made in order to clear up a doubt respecting some broken bones found in Kirkdale Cave, Scotland. Dr Buckland asserted that they were the bones of certain animals cracked by the hyenas, whose skeletons lay near. The power of jaw required for such a feat appeared so improbable that Dr Buckland commenced a series of experiments, with a view to ascertaining the point. He therefore, presented the legbones of oxen to a living hyena, who instantly broke them between his jaws, and began to swallow the smaller pieces. Dr Buckland then took away the crushed ends of the bones and compared them with those found in Kirkdale Cave. As he had imagined, they corresponded so closely that there was no longer a doubt on the subject.

The neck of these animals is also exceedingly strong, and when the skin is taken off looks like a fleshy cable, and with such force are these muscles endued that, according to Cuvier, the joints of the vertebræ sometimes become anchylosed, or rendered immoveable by the strain of the muscles. The neck, therefore, becomes quite stiff, and leads many people to imagine that the neck of the hyena has only one joint .-The hyenas are now confined to Africa and part

Although the hyena has been called an untameable animal, there have been several tame hyenas known which have domesticated them selves like dogs, and appeared quite as much attached to their masters

The hyena is a shockingly cowardly animal, and never attacks those creatures from whom it fears any resistance, but directs its efforts to- Visit to the Dismal Swamp, Virginia. of healthy animals than those which are weak- ly requires uncommon nerves to enter the thick- pension money for? ened by disease, for this reason: the hyena has ets upon the border of the swamp, and the cour- 'Oh!' answered the countryman, 'I get four It is a waste of labor that we should all lend no notion of opposing any animal that boldly age of a Napolean would quake. resists him; but if he can put to flight any A canal is made through the swamp and it and tewt let other folks' business alone!'

powers of neck in a very singular manner: - swamp. nailed down the carpenter discovered that, at in the Dismal Swamp in Virginia. one end, there was a small piece of wood stand- Birds of the most beautiful plumage abound discovering the projecting piece of wood, he rid proportions crawl among the underbrush. plank in spite of the nails.

small number of their forces.

as if they do contrive to get a hold on their ad- box

follows: the sheep in number. From evening till the ed of its grandeur. dawn of day, the town of Gondor was full of The whip-poor-will opened the grand chorus them. Here they sought the different pieces of in a monotonous strain, followed by the clear hyenas should bite me on the leg. They grunt | gan. some of them. One night in Maitsha, being of distant thunder. The screech owl sent a thing pass behind me toward the bed, but on the bull-frog thunder. Every living and creeplooking round could perceive nothing. Having ing thing seemed anxious to drown its neighbor, finished what I was then about, I went out of and all creation joined hands in a great medley. my tent, resolving directly to return; this I During this performance we left the lake, called my servant to bring a light, and we somewhere and we were unable to hear him. found a hyena standing near the head of the We left the 'Like of the Dismal Swamp' by him, and with a pike, struck him as near the suffer untold hardships, rather than emerge from heart as I could. It was not until I had done their gloomy abode. this that he showed any signs of fierceness; but upon feeling his wound, he dropped the candles, and endeavored to run up the shaft of the told Varmount,' found himself surrounded, upon spear to arrive at me, so that I was obliged to draw a pistol from my girdle and shoot him, and nearly at the same time my servant cleft his skull with a battle-ax.

In a word, the hyenas were the plague of our bound? lives, the terror of our night walks, and the destruction of our mules and asses, which, above reply. every thing else, are their favorite food.'

[Correspondence of the New Haven Journal.]

creature, he pursues it with all the courage im- goes through the lake a part of the way. On The crowd had no more remarks to offer. buildings, who, though he has long needed them, aginable. When, therefore, he is about to the bank of the lake the stage road has been The answer was entirely satisfactory.

Cheap Buildings .- Balloon Frames -- How has shuddered at the thought of cutting down attack any living animal, he first sets up a tre laid out, and we were driven over this road, half of the best trees in his wood lot, and then mendous howl, and gnashes his teeth. At this leisurely, and made short excursions into the giving half a year's work to hauling it home and sound, those animals who are in health trust to thickets when we could summon sufficient

> are deprived of their speed by illness, turn We were obliged to leave our vehicle in If it had not been for the knowledge of bal- round and boldly face him, whereat he prudent- charge of our driver and penetrate the thickets loon-frames, Chicago and San Francisco could ly leaves them, and chases the fugitives with an old negro, who acted as a sort of guide. never have risen, as they did, from little villa- So, fearing man, but having a liking for human We would send him ahead to make a division ges to great cities in a single year. It is not flesh, the hyena comes silently by night, and in the cloud of mosquitoes, that was always alone city buildings which are supported by one steals away sleeping children from the very hovering over and about our heads, and then

> upon the open prairie, where the wind has a the unfortunate parent is often unconscious of Visions of canebrake serpents, and coppersweep from Mackinaw to the Mississippi, for her loss until aroused by the cries of her infant heads, kept haunting us, and our fertile imaginthere they are built, and stand as firm as any of as the nocturnal depredator is carrying it off ations kept a huge alligator before us, ready to the old frames of New England, with posts and I have before mentioned the enormous swallow us-body, soul and breeches. But we beams sixteen inches square.- [Brother Jona- strength of the hyena's neck, and will now give did not see an alligator, and have since been inan instance where the creature exhibited his formed that alligators are not found in the

The flooring of a hyena's den wanted repairing. But the animal creation is numerous, and The carpenter had been working at it for some snakes and lizards are found in abundance, betime, and completed his work by nailing down sides all kinds of water-fowl, and insects, and a stout oak plank about seven feet in length .- every thing that creeps on the face of the earth The plank was fastened down by a dozen or so seem to be striving for an existence in this nails of the description called 'tenpenny,' being swamp. Noah's Ark never represented the anrather longer than a man's middle finger, and imal creation better, or was never filled with proportionately stout. When the plank was so many living and creeping things as now exist

ing out a little higher than the rest. He sought | in this swamp, and we noticed some great indofor his chisel, to take off the offending projec. lent looking herons, who seemed quite tame, tion, but not finding it, he left the den in order and hardly seemed aware of our presence, and to bring one from his shop. During his absence certainly looking too lazy to stir. Huge builsome visitors came, and the hyena was admitted frogs, not quite as large as a common dog, were into his den for a time. With the usual curios- lying about on the bank of the lake. Dense ity of hyenas he instantly began an examination swarms of mu-quitoes, ephemera, and sand flies its personal appearance never fails to create, of the alterations that had been made, and on fill the air. Snakes and lizards of the most hor-

fastened his teeth into it, and wrenched up the The vegetation of the swamp is more luxurious than can be seen in any other part of the The curiosity with which these animals are world. The timber, is pine, oak, sweet gum, so strongly imbued often acts as a preservative black gum, holly, the beautiful tulip tree, and against danger. They are very suspicious, and the cypress loaded down with long festoons of if they meet with any object to which they are moss, that give the whole vegetable creation a unaccustomed, they fear it as a trap, and retreat peculiarly sombre appearance. Trees and immediately. The farmers, whose flocks and shrubs that I never heard of before, were found herds had suffered from the attacks of these upon every side, and our ebony guide told us ravenous animals, were accustomed to place their names and shewed his knowledge to a spring guns in their way, so managed, that good advantage, and seemed to us a second Auwhen the animal presses against certain leath. dubon. Immense canebrakes, so thickly interern thongs stretched across the path, the trigger woven with vines as to prevent our passage of the gun is pulled, and the charge lodged thro' them, were encircling us upon every side, in the hyens. This plan answered tolerably at when we changed our course and turned toward first, but the crafty animals soon learned to distrust the Lake. We arrived there about sunset, and leathern thongs, and the farmers were obliged were just in time to hear the musical entertainto substitute the stems of creepers. These the ment that is given there every night by the bullhyenas did not fear, and consequently lost no frogs, tree-toads, whip-poor-wills, turtle doves, and musquitoes. A grand overture by the bull-The cowardice of the hyena has been before frogs was the first performance we listened to, mentioned, but, like other cowards, when fairly and it was admirably executed, especially the driven to bay, they fight in the most desperate bass, by the big-mouthed fellow in the distance, manner; and they are foes not to be despised, whose mouth opened and closed like a tobacco

versary with their powerful jaws, they seldom Then came a solo performance by a tree-toad; loose their hold until they have lost their head, perched upon the 1imb of a tulip tree exactly and, at all events, do considerable injury. A above our heads. The most heautiful passages hyena that had ventured to attack Bruce, the in Casta Diva were performed by an old mos-African traveler, in his tent, afforded a fair ex- quito that alighted on my arm, and began to try ample of the hyenine character, craftiness, cow- the quality of my broad-cloth. He had an exardice, impudence and ferocity. He writes as cellent Soprano voice, but lacked emphasis and articulation.

'These creatures were a general scourge to It was getting dark when the grand finale Abyssinia in every situation, both of the city commenced, and we only stopped to listen to it and the field, and they seem to surpass even before starting homeward. No idea can be form-

nut; and not only does the animal break up slaughtered carcasses which this cruel and un- distinct notes of tree-toad, and the plaintive clean people were accustomed to expose in the strains of the turtle dove, while the air was streets without burial. Many a time in the chanted by about ten thousand mosquitoes .night, when the king had kept me late in the Then came the thunder tones from the bull-frogs. palace, on going across the square from the and they opened and closed their months with king's house, I have been apprehensive lest the as much precision as the images on a hand or-

ed in great numbers around me, although I was | Soon the thunder tones of the bull frog orchsurrounded with several armed men, who sel- estra began to sound along the borders of the dom passed a night without wounding or killing | Lake, and seemed to echo like the reverberation very intent on an observation, I heard some- piercing cry from yonder tree and tried to drown

immediately did, and in so doing perceived two impressed with the idea that the millenium had large blue eyes glaring at me in the dark. I come, and that Gabriel was blowing his trumpet

bed with two or three large bunches of candles moonlight, and could not help repeating the in his mouth. To have fired at him would have beautiful song that we have heard the 'Huchbeen at the risk of breaking my quadrant or oth- insons' sing, so descriptive of this gloomy place, er furniture, and he seemed, by keeping the can- and yet human beings make this swamp their dles steadily in his mouth, to wish at that time abode! Here the runaway slave finds what for no other prey As his mouth was full, and seems to him a paradise. Here they live on the he had no claws to tear with, I was not afraid of spontaneous productions of the soil and often

> Not so very GREEN -- A young and apparently verdent slip who gave his hailing place as a certain occasion, by a crowd of quizzing upstarts, who seemed bent upon displaying their own smartness, at the expense of the yankee.

'Hello, Jonathan!' says one, 'where are you

'Deoun to Bosting, on a little tramp,' was the 'What's your business in Boston?' continued

the inquisitive gentleman. 'Oh, I'm deoun arter my pension money,' res-

ponded the greeny.

ward carrying off their young. Curiously | Mortal man never conceived a more gloomy 'Pension money!' ejaculated whiskeree-'how enough it is much more successful in the chase place than the entrance to this swamp. It real- much do you get, and what are you drawing

cents every year-tewt mind my own business