

Basement Facilities One of the Most Important Parts of the Plan Outlined.

Much Attention Given to the Proper Foundations of Structure That Is Sure to Give Every Satisfaction to the Occupants of the House.

By WILLIAM H. RADFORD.

Mr. William A. Radford will answe questions and give advice FREE OF COST on all subjects pertaining to the as Editor, Author and Manufacturer, he without doubt, the highest authority on all these subjects. Address all inquiries to William A. Radford, No. 1827 Prairie avenue, Chicago, Ill., and only enclose two-cent stamp for reply.

An English-style cottage with hip roof and basement makes a very satisfactory small house for certain level locations where it is impractical to excavate deep enough for a regular cellar.

There are many towns in prairie sections of the country where the fall is not sufficient to put in deep sewers. Also, in the more southern sections, it is not necessary to dig sewers deep down into the ground to avoid frost. It is cheaper and more satisfactory to lay them near the surface.

On such building sites basement houses are quite common, and this medium-sized cottage, with its cool, roomy basement, is well liked. The basement, being principally above ground, is supplied with windows almost as large as ordinary house windows.

The idea is to make the basement into a splendid workroom. It is naturally cool in summer, warm in winter and comfortable to work in during all seasons. It is the proper place for the laundry and storeroom, besides providing conveniences for doing a great many household chores.

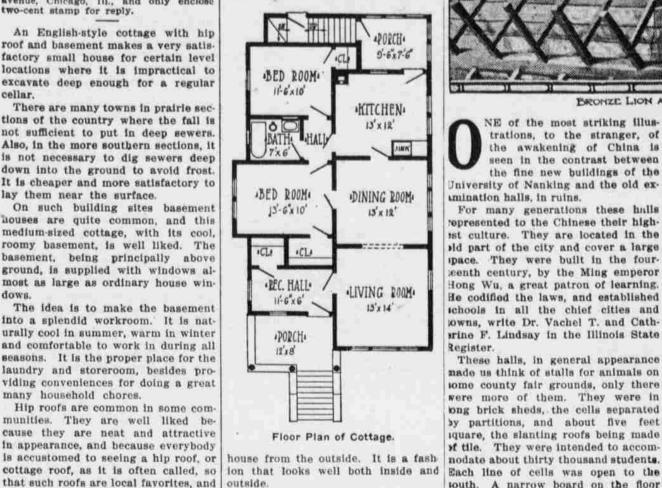
Hip roofs are common in some communities. They are well liked because they are neat and attractive in appearance, and because everybody is accustomed to seeing a hip roof, or that such roofs are local favorites, and outside. they become fixed as a permanent fashion.

The pitch of the roofs varies in difent parts of the country, owing to local tra expense. fashions or customs, and to the fact

has been found that a partition through the center of the house, dividing the living rooms from the sleeping rooms, is the most satisfactory arrangement.

The exposed interior woodwork all through this little house is plain and neat, being selected because the design is smooth and straight, with square corners. These strips of plain straight wood have taken the place of old-fashioned moldings that often were deeply recessed. People building these HIP ROOF ALSO A FEATURE cottage houses like to see considerable interior woodwork, so that millwork factories are turning out patterns especially suitable for such artistic homes. The one particular patern that may be chosen is carried through all the rooms on the main floor, so that they all correspond in workmanship and interior finish.

All modern houses are well lighted. It is the fashion to put in double or triple windows wherever wall space will permit. It is easy to shut out the subject of building, for the readers of this light with a dark green shade, but if paper. On account of his wide experience the window is not there the house keeper is helpless on dark days. Also, large windows and plenty of them add very much to the appearance of a



The basement of this house may be of the cell, answered for a bed at place of greatest historical interest in well furnished and made pleasing in sight, two boards across at proper the tomb of the Ming emperor, Tai appearance as well as comfortable. If heights for seat and desk, niches in Dzw, a greatly honored ruler on acferent sections, according to the the walls are plastered or covered the wall for food basket and candle. count of his forceful character and the amount of rainfall. Also, the material with wall board and painted, a very Each student was expected to prefor covering roofs varies in the differ- neat interior may be made at little ex pare an essay on the books of Confu- benefit of the masses of the common

Some of these houses are arranged commentators. No original ideas or This great Ming tomb is situated at that certain roofing materials are for storage in the front part of the personal experiences were to be in- the foot of Purple mountain. It is outbasement. This is naturally the cool produced. est end of the house. The furnace There is a high tower near the cen- is surrounded by red-painted walls The foundation of a house like this and heating apparatus occupy a large ter of this inclosure from which the which inclose an area of about five b usually is made of concrete or stone. portion of the back end, where it is long lines of tile shed roofs are seen, hundred square feet. many of them in ruins, all overgrown with high weeds, wild vines and moss. in looking through "A Guide to Nanking" we found one mention of these passing through the second gate he honored halls in the descriptions of comes to a templelike building, high "Most Noted Places," formerly the squivalent in China of all the univer- let inscribed with a record of Tai Dzu sities in our East combined. On the and his achievements, an 'ascription same page of the catalogue there were comparing him with his most distinmentioned 48 modern schools for all purposes one could well think ofmilitary, commercial, surveying, drawng, naval, police, polytechnic, prison ited Nanking, some time near the close reform, law, normal, language, silkworm and mulberry, theological, Biblial, with many that indicated special studies and industries for girls. Most of these are established in good modern buildings in parklike inclosures, with lawn grass, trees and dowers, and rooms equipped and set spart for their especial work. The Nanking made some repairs, yet only Chinese are given to vocational training. They have an elaborate system The case of the State State of division of labor. They do not beieve in a "man of all work." Confucianism and Idols. We hear a great deal about the superstition and idolatry of the Chi-At the rear is a double outside stair We were astonished to find in nese. Nanking, and indeed everywhere we went, the Buddhist temples either grown up in weeds, the idols in many places covered with dust and broken. or the idols thrown away and the buildings transformed into modern schoolhouses. Idolatry in China is largely a growth through centuries storage room. that has gradually developed from Buddhism, just as we see all manner How He Caught Cold. of fungi attached to a dying tree. A young British officer home on Confucianism is not idol worship. short leave from the front attended a In its principles it is purely a code of temple or tower with four openings, dinner party with a very bad cold. "I ethical laws. Its fundamental laws situated on a low hill. Within is a expect you caught it in those terrible are strikingly similar to the laws of stone tablet, effected woright, on the trenches," murmured his sympathetic Moses. Consequently a person may hostess. "No," was the reply. "It's be a Confucianist in a general sense, inscriptions of the great deeds of this and at the same time a Christian. It to catch cold in the trenches." "Isn't is quite worth while just here to call nese history, "This tablet was erected that singular?" exclaimed the lady attention to the fact that Confucius there as a sign of reverence to one of lived about five hundred years before, the greatest emperors that China ever very imprudently taken baths since Christ, more than a century after the produced." leaving France.

#### DAKOTA COUNTY HERALD; DAKOTA CITY, NEBRASKA.

## has been found that a partition through the center of the house, di-viding the living rooms from the sleep-ing rooms, is the most satisfactory ar-rangement. The bathroom naturally belongs be-tween the two bedrooms, as shown on this plan.

# BRONZE LION AT PEKING GATE

NE of the most striking illus- | Israelites of the ten northern tribes trations, to the stranger, of were carried as slaves to Assyria. We he awakening of China is saw Assyrian art of that same period seen in the contrast between in the "Forbidden City," the part of the fine new buildings of the Peking reserved for the rulers, in-University of Nanking and the old ex- closed by a strong wall, and into which

imination halls, in ruins, For many generations these halls ter. We had a special permit and represented to the Chinese their high- guides from the American embassy. ist culture. They are located in the ald part of the city and cover a large brought by caravans, necessarily conspace. They were built in the fourseenth century, by the Ming emperor These slaves must have been Israel Hong Wu, a great patron of learning. ites.

He codified the laws, and established schools in all the chief cities and are preserved, often repaired. They wwns, write Dr. Vachel T. and Cath- contain no idols. There is a large up wrine F. Lindsay in the Illinois State | right tablet, inscribed with the "Laws Register. These halls, in general appearance of a turtle, symbolizing calmness,

nade us think of stalls for animals on strength and longevity. On certain some county fair grounds, only there days, set apart for this purpose, inwere more of them. They were in cense is burned on a table in front of ong brick sheds, the cells separated this tablet, in somewhat the same by partitions, and about five feet spirit, among intelligent Chinese, as iquare, the slanting roofs being made we on anniversary days place floral of tile. They were intended to accom- offerings on the tomb of Lincoln, or nodate about thirty thousand students. the graves of our honored dead.

touth. A narrow board on the floor sius, Mencius and their disciples and people. Nanking was his capital.

#### SURPASS THE BIRDS feet. Aviators Fly Higher Than Deni-

#### zens of the Air.

**Records Show That Heights Reached** by Man Are Far Above the Winged Creatures-Some Experiments of Interest.

It may be gathered from the war news that aviators in the war zone are making many spectacular flights, covering longer and still longer distances from the actual battle lines and giving indications that their aim in dropping bombs is improving. One wonders if the record of these flights is being kept for examination, reference and comparison when peace returns, so that they may be looked at side by side with the flight records made in calm and peaceful period before the nearly world-wide slaughter began.

Just before the outbreak of the war there was a season of recordbreaking in aviation, and especially by German airmen. July 9, 1914, Otto Linnekogel drove a monoplane up to 21.645 feet at Johannnisthal, and July 10 Heinrich Olerich, in a biplane, exceeded that height by more than 3,000 feet, going up to about 25,000 feet near Leipzig. That was almost 10,000 feet higher than Mount Blanc (15,782), and almost 5,000 feet higher than Mount McKinley (20,300), and the altitude attained by that biplane was nearly five miles above sea level. It has been computed that if the

height reached by Olerich is not near the limit of biplane ascent, it must be near the limit of altitude at which a man can live. It is set forth in some of the older records of ballooning that April 15, 1875, Gaston Tissandier, H. T. Sivel and J. E. Croce-Spinelli made an ascension from Paris in a balloon which they called the Zenith, and that they got up to 27,950 feet, but only Tissandier came down alive. The others perished in the rarefied air, being dead in the basket when the balloon

returned to earth. James Glaisher, an Englishman, in a

from Greenwich observatory September 5, 1862, to make observations of the higher strata of atmosphere,

20,000 feet. He estimated, from the fact that the balloon was rising 1,000 feet a minute when he became insensible at 29,000 feet and was falling reached an altitude of 37,000 feet. This To most visitors in Nanking, the conclusion was not accepted by the many reforms he inaugurated for the

It has been said by those who have given particular consideration to the question of extreme height at which

denser air. The condor nests above the ten-thousand-foot level, and Alexander you Humboldt reported that he once saw this great bird soaring at a height which he estimated at 23,000 More airmen are steadily on the

wing today than at any other time in the history of the race, but it is plausible that they are not wasting petrol and imperiling themselves and their machines at greater heights than to avoid shrapnel and too easy observation. Their object is to keep as close to the earth as they can, so that their reconnoissance may be the more accurate and complete, and if engaged in dropping bombs they may increase their chance of hitting the object they

DANGER IN CLOSE ALLIANCES

would destroy.

Investigation Has Shown That Cancer Is Most Probable When Cousins Are Wedded.

Speaking of the possible hereditary tendency to cancer, Dr. Charles B.

Davenport of the eugenics laboratry at Cold Spring Harbor, N. Y., says of the fact that the incidence of cancer is highest in Maine: "I have no doubt that this is due to the presence of one or more races in Maine which are nonimmune to cancer."

Doctor Davenport's studies "indicate that resistance to cancer is a positive (dominant) trait and that nonresistance appears in children only when both parents belong to a nonresistant race. And this result is commonest, other things being equal, where cousin marriages are commonest, because that makes it probable that is one parent belongs to a cancer race, the

other-the cousin-will belong to the same cancer race. Now, in rural Maine cousin marriages are extremely frequent, especially in the islands off the coast, and here we have the conditions for the result-the high incidence of numbers of the cancer race in an inbred community."

#### Harmless.

The commuter was plainly excited. He pounded the seat cushion in front of him as he spoke, and his voice rose high above the rattle of the wheels. "No matter what my earlier views were," he exclaimed. "I've changed

radically. I'm for the Reds now against all comers." A timid little man across the alsle edged quietly out of his seat and

sought the conductor, "It's an outrage," he exclaimed. "An avowed anarchist like that fellow 2,000 feet a minute when he came to ought not to be allowed to ride in a "He's no anarchist," said the conductor with a grin. "He's a chicken

seven states."

child ranges."

#### Pennsylvania Nature Story.

on account of the snows was unable to



Because of Terrible Backache. Relieved by Lydia E. Pinkham's Vegetable Compound.

Philadelphia, Fa.-"I suffered from displacement and inflammation, and had such pains in my



Another Woman's Case.

Providence, R. I.—"I cannot speak too highly of your Vegetable Compound as it has done wonders for me and I would not be without it. I had a displacement, bearing down, and backache, until I could hardly stand and was thoroughly run down when I took Lydia E. Pinkham's Vegetable Compound. It helped me and I am in the best of health at present. I work in a factory all day long besides doing my housework so you can see what it has done for me. I give you permission to publish my name and I speak of your Vegetable Compound to many of my friends."-Mrs. ABEL LAW-SON, 126 Lippitt St., Providence, R.L.

#### Danger Signals to Women

are what one physician called backache, headache, nervousness, and the blues. In many cases they are symptoms of some female derangement or an inflammatory, ulcerative condition, which may be overcome by taking Lydia E. Pink-ham'sVegetable Compound. Thousands of American women willingly testify to its virtue.

#### GULL IN STRANGE MISHAP

Bird's Life Endangered When Its Beak Was Crught Between the Shells of Clam.

At first thought it is hard to imagine how a clam could endanger the life of a bird. That such a strange circumstance is not impossible is shown by the following incident.

A settler on one of the small islands near Vancouver was returning to his home by way of a beach of hard sand, when he beheld an unusually large flock of seagulls gathered in a compact mass and beating with their beaks and wings upon the said. Evicitement.

The settler was almost upon the fighting birds before they burst apart Arthur Neefe of Sweden, Bradford and flew, chattering, toward the county, set a trap in the woods, and clouds. One, however, lay flapping upon the ground, and the man sa

ordinary people are not allowed to en-These art treasures must have been veyed by slaves under overseers. The Confucian temples in Nanking

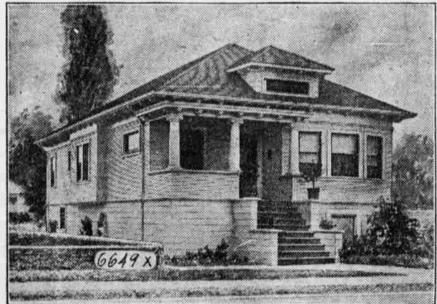
balloon ascension which he undertook

reached an altitude considerably above himself thirteen minutes later, that he public conveyance." scientists at that time, but they al- raiser. Just now he's expressing his dently they were attacking some enlowed him an altitude greater than views on the merits of the Rhode emy. Overhead dozens of gulls 29,000 feet. The material fact was that Island Reds, the best little layers in wheeled and screamed in evident ex-

Glaisher collapsed at that height.

human life can be supported that no

cheaper in some places, and conse quently are more in demand.



The foundation walls may reach up | customary to have an outside en to the main house floor, or they may trance.

stop at or a little above the lot grade line. It may be cheaper to build a way with a grade entrance. There superstructure of wood from the are 9 or 10 steps up to the porch, and ground level up. This is done by 2 or 3 steps down the other way to placing the sill on the foundation wall, the basement. This makes the basethen either build a superstructure of ment easy of access from the garden, 2 by 6 uprights to support the house which will be appreciated on wash sill, or the joists are made long enough days and at other times when moving to reach from the foundation wall to articles in or out of the basement the plates. With this construction a 2-inch strip is gained into the studding to support the outer ends of the floor The floor joists also are spiked joists. into the studding, so that the building

is all tied together at the house floor. A very pleasing effect is secured by building the porch partially into the house proper and extending it a few feet out beyond the house in the manner shown in the perspective.

Because the veranda floor is built 6 or 7 feet above grade the front steps are necessarily longer, and they are built wide to reduce the long effect. For the same reason the ramparts are built at the sides of the steps in two

divisions, as shown in the perspective. The main floor is high enough from the ground to satisfy certain timid people who object to living or sleeping

cess from the outside. This probably of people have a horror of night prowlers, very often unnecessarily so. At underwear and fur overcoats. the same time, they have their likes and dislikes, all of which affect the

selection of certain house designs. All the living rooms and bedrooms are high enough from the ground to be safe from ground moisture, which is another consideration when building a one-story house in this way.

The plan shows three living rooms on one side of the house and two bedrooms and a bathroom on the other

side. The living rooms usually are laid out for the sunny side, and the bedrooms on the north or east. It is easy to reverse a floor plan to bring the rooms on the right side of the house.

In building cottage or bungalows it you?"-Tit-Bits,

Collars for Convicts. One of the latest reform schemes at

Sing Sing is that of letting prisoners able of fishes are those which are pro- .ters of a gang of illicit whisky distildress up on Sunday. "One of the vided with lanterns of their own and lers. In the abandoned mine works men was wearing the first white col- which swim around the dark recesses they set up their still, and turned out close down to the ground. Low-down lar he had worn in ten years," As of the bottom of the deep scean where thousands of "drops of Scotch" that bedroom windows seem so easy of ac- sistant Warden Johnson is quoted as no ray of natural light from above can had never paid duty. One day, how saying. "And he spent the whole of penetrate. A model of one of these ever, the fire from their furnace set is one reason why houses of this de- Easter morning telling how good it fish, notable for their phosphorescent sign are so popular in certain sec- felt." It is said that now, if the men organs, is on exhibition in the United fly for their lives. In a very short time tions of the country. A large number can afford it, they may on Sunday States National museum. The sides go as far as they like, even to silk of the fish are regularly dotted with in the ground, lighting up the whole luminous spots, while, in addition, there is a large luminous area, like a

Have to Tempt 'Em

the country which have been printing a singular appearance when swimming the mine, pumped carbonic acid gas a story about a Boston dog that eats in the dark abysses of the ocean. In beans will be interested to know that the model the luminous spots on the years to fight was put out. there is a Boston cat that will eat sides are represented by buttons of beans if turkey gravy is put on them. glass, connected with the interior by -Boston Globe. tubes

Cause of His Pessimism. Orator-"On the surface things are

Fire Lasted Five Years. Perhaps the most remarkable beoften right, but it is when we explore ginning and ending to a colliery fire the depths of things that we see the was in the case of a mine near Stirdeceptions of our fellow creatures." One of the Crowd-"Guv'nor, you've Colliery company. The first shaft they

Fishes Which Carry Lights.

side the city wall, perhaps a mile. It

of Confucius," standing on the back

Tomb of Tai Dzu.

The visitor passes through three gates of peculiar Chinese architecture before coming to the tomb. After ly ornamental, in which is a large tab guished predecessors. This tablet was erected by one of his greatest of Chinese rulers, Kang Hai, when he visof the seventeenth century. He caused the entire surroundings to be made magnificent.

Up to the time of the Tai-Ping rebellion these handsome buildings and beautiful parks remained, but the Tai-Ping vandals destroyed almost the entire tomb. Recently the viceroy of a few traces remain of the former grandeur.

After the visitor has passed through the third gate he sees a large structure with one opening in the middle. This leads to the edge of the tomb, which is now covered by a hill of deep soil on which is a thick growth of trees. The ascent is steep. From the summit is a fine view of the city and surrounding country.

Among the accessories to this tomb the most interesting still remaining are five pairs of stone statues of animals, standing on either side of the great road leading from the entrance gate of the park, perhaps twenty feet in height; pairs of elephants, camels, lions, soldiers and priests, as the last pair of guards. Near the gate is a back of a turtle. It is covered with emperor, Tai Dzu. It is said in Chi-

other in a better position. The disused Certainly among the most remark- shaft became the secret headquarthe coal seam ablaze and they had to flames were pouring from the cracks countryside. The fire was walled in with mud. It took five years to build lantern, on the top of the head. This this wall, at a cost of \$80,000, and then Perhaps the newspapers throughout extraordinary creature must present it was useless. Finally they sealed up into it and the fire that had taken five

#### Kirking.

"Very gratifying!" said a young and conceited novelist. "A gentleman writes me that he took a copy of my last work to read during a railway journey, and as a result suddenly discovered he had gone 20 miles beyond ling, Scotland, belonging to the Sauchie his destination." "Dear me!" commented the young author's friend, been buying a barrel of apples, haven't sank was abandoned in favor of an- "sleeping in trains is a bad habit!"

mountain-climber has ever reached 25,-000 feet. Whymper's experiments show get to it. Last week it was visited that above 18,000 feet the slighest ex- and a lively fox found therein. The ertion is painfully difficult, though it captive had been sustained by his felhas been also recorded that the Duke lows during the imprisonment. Within and for all the gull's frantic strugof the Abruzzi climbed to 24,583 feet | reach were a gray rabbit, a white on Bride peak in the Himalayas and rabbit, four mice and a woodchuck, did not suffer from mountain sickness, some of them partially devoured. Imand Filippi, the chronicler of that ex- prisoned, he had been visited and pedition, expressed the belief that nourished by his own tribe. He was with the equipment for mountain taken into further captivity, and climbing now available a man might other than the loss of the foot by

which he had been held in the trap. go still higher. There was a more or less interesting appears none the worse for his expeexperiment July 31, 1901, when, in a rience.-Philadelphia Record. balloon ascension, a barometric reading of 34,000 feet was attained, but

the aeronauts, although they carried with them and consumed a supply of oxygen, became insensible about the moment that altitude was reached.

Birds do not fly very high compared with the heights reached by man in balloons and aeroplanes. Gay-Lussac. No matter how insignificant a mar a balloonist, in 1850 threw out carrier may be, he is firmly convinced that his pigeons at heights above 20,000 feet. superiority will some day be recogbut these birds fell heavily toward nized.

that a monster clam held the gull's beak in a viselike grip. It was too heavy for the bird to fly away with, gles, it could not loosen the clam's tenacious grip.

With his hunting knife the man pried open the shells and freed the captive. The gull was exhausted from its desperate efforts, and at first could only stagger like a drunken sailor toward the water. Finally, however, it flew away, and soon returned in the van of a cloud of gulls come to inspect the enemy that had trapped one of their tribe .- St. Andrews Bea-

"Was it the Goodchild ranges the con. Russians have been driven from?" "There's no such place as the Good-

A Left Hand. "No matter how many times a gir! "I mean the Reskids-same thing. gives her hand in marriage to a man," remarked the Observer of Events and Things, "she always has one left.

> He's a poor actor who can't get anyone to take his part.

### "An Old Man at 40"

A Slight Mistake.

How often you hear that remark! How many such men there are! And how needless it is!

#### Wrong food is the big cause.

When one feels old at forty the first thing is to correct improper diet. The main fault with the dietary is often a lack of the vital mineral salts in food. Without these mineral elements old age steals on rapidly.

To meet this very condition a food was devised which supplies those mineral elements such as phosphorus, iron, sulphur, etc.

That food is

**Grape-Nuts** 

Made of whole wheat and barley, this delicious food retains all the nutriment of these grains, together with the priceless mineral elements-notably lacking in white flour foods-which the system must have to build and maintain vigor and elasticity of body, brain and muscle.

One can avoid this "old-age-at-40" business by proper eating and living.

"There's a Reason" for Grape-Nuts -sold by Grocers everywhere.

