## RCRGNCA Inventian

The Finsen Light Cure.
United States Consul Frazler of the Finsen Medical IIght institute now a stato sanitarlum, 1,367 cases had been treated up to May, 1903, by the Finsen rays. Of these most were cases the best results had been attained, so that "in most cases one may count definitely upon a cure," to use the ufficial language. The doctors at the institute are extremely conservative and never promise to effect a cure: but the records show that in a majority of the cases where sufferers have been encouraged by being admitted as patients cures have been effected. In the one case of the American patients whero the physiclans have not yet determined whethor they can give rellef, it appears the patient is suffering from a rather patient is suffering from a rather rays do not cure any but the most superficial cancers.

## Protects From Gases.

One of the greatest dangers with is the generation of deally sam in Is the generation of deadly gas in His lantern is qo made as to guard against an explosion of this gas ant ven to fudicate its proportion in the tmosphere, but the miner himself loes not take the same precaution lying on his ability to run out of dan ger. Often he is overcome in his flight and then the companions who


Supplics Oxygen to the Wearer. have escaped return to search for him and carry him to safety before it work is the deadly pas in the mine and often man's fellows not only fall in his rescue, but lose their own lives.
There has recently been introduce an apparatus which makes it possible for a man to go safely through a mine without feeling any effects of out fumes $A s$ here pictured it oonslats fumes. As here picture, it consists of as afr-tigtt hood to fit over the wearer's head and shoulders, with a matic feeding arrangement attached to the hood The air for breathing is dis the hood. The air for breathing is discharged gradually into the hood to replace the air which has been breathed spend several hours, if necessary, in the presence of gas which would kill the presence of gas which would kill a man in a few minutes were it rer-
n . ited to enter his lungs. The in u. itted to enter his may also be utilized to enter
vention smoke-flled rooms, affording protection to both the lungs and the eyes.

## Ahore or Less.

Btggs-Puffkins regaras himself as the one man in a thousand, Diggs-Is that all? I thought he re. garded himself as the other 999.

## FLOOR PLAN OF BARN.

Roomy and Comfortable and Can Be Constructed Cheaply
J. J. F.-Please publish a floor plan of a barn 30 by 50 feet, containing feed room, 10 by 12 feet, and stalls for about 20 head of cattle. 2. A stone cellar with 2 -foot walls ailmits frost. How would it answer to stud it up in side and line it with matched lum ber?

Ans,-The accompanying plan hould suit J. J. F. The upper floor Hond have a 16 -foot mow over the horzo stable, a 12 -foot drive floor and basement contains 3 single horse stalls, and box stalls, 14 single cattle stalls, and feed rooms. The writer bulit just such a barn 36 by 48 feet in 1897, the carpenter work of whic in 1897, th
2.-If there were a four-inch brick


Floor Plan of Stock Barn 30 by 50 Feet with a three or four-inch hollow space between the stone and brick, it woutu make the cellar very much warmer,
and would be far betier than one lined up with lumber. if the top were cefled over with matched lumber and
covered with sawdust it would keep covered with sawdust it would keep the cellar from freezing from the top.
The only drawback to putting in a The only drawback ceiling is that it decays very quickly. The writer has arched a good many outside cellars with a four-inch
row of brick giving the arch a tworow of brick giving the areh a two-
inch rise to every foot in width, three-quarter-inch rods were piaced
through the cellar at the spring of through the cellar at the spring of
the arch six feet apart to keep it from spreading. This was covered with earth or sawdust; the brick never rots and makes a clean puro cellar.

Manure for Potatoes.
W. D. -1 . What is the best manure to foree potatoes? 2. Will new land not yet broken prodnce good potatoes?
3. Would Hme help to warm the soll? Is there any fertility in it?
Well rotted yard manure with an admixture of poultry manure is consldered the best fertilizer for potatoes. An applicaton or ashos is also good. 2. New land is well adapted to the srowiag of potitoes. A common method of preparing new ground is o plow it, harrow down well and plant the potatoes in a hoe. 3. It the land is heavy and cold and applilow it. Lime is not a fertilizer. It is necessary for land to contaln a good stock of plant food before thme can be of aay benefit; its function is to liberate and turn over to the young plants that plant food contained in the manure or fertizer. It is used also for correction of aciaity in the soll. Beyond these mechanical functions lime is not considered a fertilizer in a strict sense of the word.

It is estimated that during the last five years telophones have been put

GAVEL A BEAUTIFUL ONE.
Work of Art Used in Louis Fair.
The gavel used by D, R Francis in fiving formal nolice to the nation that the exposition was opened was worthy of the occasion. Its material was made from an aged oak tree that for more than a century towered on the summit of Ant hill, a conspicuous landmark to aborigines, whose graves it sheltered until they were unearthed to make room for the
 picture.

It is embellished with the American eagle in silver, with pinions spread. A map of the two hemispheres encircles the head, handsomely inlaid and engraved, significant of the united efforts of the old and new worlds in the latest achievement in expositions. Inlaid in the handle are the shields of the United States and the fleur de lis of France, the parties to the Lousiana purchase. Six heavy silver rings encircle the head of the gavel, and the tip of the handle is finished with an acorn from the oak tree out of which the gavel was carved.

Once Ruled Over Many.


Figure of a king, in relief, recently found in Amrac-Ibn-Ali, Babylen.

Slack Cats' Island
There is an island in Pugot Sound which is so thickly a mile across, cats that they may be seen cover ing the rocks on a sunny day, from the riggings of passing vessels.
The cats number many thousands, and the strangest thing is that they are all black. Every evening a boat load of fishermen land on the island and lay out a seine a quarter of a mile long. They pull it in with never less than a ton of fish, but next morning these fish are gone. The eats devour them all.
These cats have been placed here by men who are supplying the market with women's mulfs. Once a yea there is a great round-up, and several thousand pussies lose their fifes.

## REVIVE AN OLD FASHION.

London Women Have Taken to the Wearing of Monocles.
The eighteenth century beau was accustomed to view life through a monocle mounted
gold or pinchbeck. which the bauble was affectedly dan gled on the end ot the finger when not in use. This quaint fashion is being revived by the fair lady of to-day, and to meet it London jewelers have de exquisite single glass lorgnettes, with long handles tortoiseshell, or scroll work in diamonds. monds.
One carried specimen ly in brilliants represents a slendarrows, and on the heads of the arrows rests the glass. A Louis Seize design of the finest workman ship in dark royal slue enamel is studded with diamonds and has wreaths of the
 tiniest leaves in gold surrounding it The handles of these lorgnettes are about four inches long, and terminate monds or enamel, and through this the chain by which they are worn around the neck is hung. An ordi nary muff chain strung at intervals with a precious stone is frequently worn, but the correct thing is narrow ribbon, with here and there diminutive clasp in brilliants.

Awake for Twenty-five Years. There is a man in London who has not slept a wink for a querter of a century, and during that time has be sire. When about farly from the de this patient had an attack of mala ria chills and look a dose of mala grains of quinine Since that day he bas ofer slept for the guinine pro duced such a singing in his ears that sleep has been out of the questlon. The noise changes in character from day to day. Sometimes it is like the roar of a cataract, again it is like the sound of sawing and at another time it resembles the hissing of steam from the exhaust of an engine. Doctors bave made futile efforts to aid him.New York Herald.


The accompanying diagram from the Nntional Geographic Magazine needs ittle explanation. It shows the yield of the different varieties of fish.

## Hunt for Buried Cash

A quiet hunt is being made by members of a family who reside on a farm on the Alfred road, in Biddeford, Me., or $\$ 300$ in silver and bills which the where in the ground about the farm while in a state of insanity.

