### NOTES AND COMMENT.

They phrase matrimonial advertisements very delicately in Maine. One recently printed in Hallowell voiced a want for a "housekeeper in a family

The improvement of the potato has seemed to be the work almost exclusively of English-speaking people. The tuber has been named, specifically, the Irish potato, but the French are not disposed to allow the fact to be forgoten that one of their race brought it effectively into general use. Everywhere they are doing honor to Parmentier's memory. A Parmentier medal was recently offered at a grand exhibition, which brought out a collection from one grower of 350 varieties, probably the greatest assemblage of the potato family ever brought together at one time.

A scheme for continuous mail collecting in cities will be put in operation in Washington shortly by Second Assistant Postmaster-General Neilson. A wagon specially constructed for the purpose is now being built at Hartford, Conn. It will be large enough to accommodate a carrier independent of the assistant, who will do the driving and take the mail from the street boxes. This wagon will contain several apartments for "throwing" the mail. While it will be rather large, it will be light and strong and made with a view to accommodating the work, rather than for looks, although its ornamentation will not be neglected.

The engineering work which may have considerable effect on coastwise freights is the reconstruction of the Dismal Swamp Canal, which is designed to afford a waterway between the north and south sescoasts, avoiding the dangers of Hatteras. This canal is a historie one, having been begun in 1787 and constructed in ten years, largely by slave labor, to the depth of four feet and a width of thirty-two feet. It extends from Elizabeth City, near Norfolk, Va., to the head waters of the Pasquotank River, a distance of twenty-two miles, there connecting with navigable streams which reach the ocean south of Hatteras. In its early years it paid reckoned to be worth one hearty male slave. The present contract calls for a aniform depth of ten feet and a width of sixty feet, and the venture is backed by \$900,000 of Baltimore capital. The work is to be completed by December 31, 1897.

Statistics collated by a well known trade journal exhibit in a very striking way the parallel growth of the United States and the leading countries in Europe in trade and population. Impressed by the magnitude of our own growth, we believed for a time that it was unique. But this theory is no longer tenable. Although this country has grown faster than any one of the eight leading countries of Europe, nearly all show great increases both in wealth and population. Taking the United States, Great Britain, France, Germany, Austria-Hungary, Italy, Belgium, Russia and Holland in a single group, they show an increase in population between 1860 and 1890 of over 180,000,000, of which 32,000,000 belong to the United States. This represents for us almost exactly 100 per cent. of growth, and it is the highest percentage in the group, although Russia, with a lower percentage, shows a growth of 36,-000,000. Germany increased over a third, Austria-Hungary over a fourth, Italy a fifth, Great Britain not quite a fourth, while France remained almost stationary. The percentage increase for the entire group is 521 for population and 222 for trade in the last four decades. Our own trade increase in that time is well above the average, being from \$513,000,000 to over \$1,600,000,000, or more than 200 per cent. Russia surpassed this percentage, but still remained behind us in the total volume of trade. Germany's percentage of trade increase more than doubled that of England. It is hard to overestimate the significance of such figures. They show a growth both in population and wealth that is without precedent in history.

## Laughable Use of "Again,"

The little word "again" once threw a large assembly into fits of laughter. It was at a public meeting in New York. One of the speakers, Rev. Mr. B., had the misfortune, when he tried to take a seat, to miss his chair and some down at full length on the platform. The accident occasioned not a little subdued mirth. When at last it came his turn to speak, the presiding officer introduced him in these words: "The Rev. Mr. R. will again take the floor." The reverend gentleman never met with so enthusiastic a reception as greeted this announcement. -Argonaut.

The Schools in Cuba Closed. A Cuban correspondent sends as a "morsel of news" that has been "scarcely noticed" the fact that all the schools on the island, even those in Havana, have been indefinitely closed. The school teachers will lose not only their positions, but five months' sal-The schoolhouses, where any are ary. The schoolhouses, where any are left standing, will now be used for nospitals or quartering troops, -Springfield (Mass.) Republican.

# CUBAN CHILDREN.

THE LIFE THEY LEAD ON THE WAR-RENT ISLAND.

Love of Country Instilled Into Them -Their School Education-Confined Closely to Their Homes -Their Amusements.

in a Cuban harbor October 28, 1492, he named



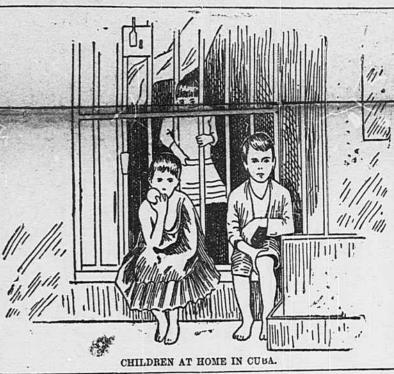
CUBAN FAMILY AT HOME.

on the unhappy land attest.

to the Nation under whose rule they Love of country is the first lesson from the island to this country of childhood so far as the making of are to be seen at the arrive Nations goes, and this certainly is a ship clinging to their mo well learned lesson with the youth of come with them, leaving the Caba. When a filibustering boat who have joined the ranks to landed on the Cuban shore not long the freedom of the island, wh ago with numbers of youthful insurgents aboard, though they had lived several years in the States, they hurried from the vessel and fell upon HEN Columbus first landed the ground and kissed the very soil of their native land.

The second lesson of citizenship in the island he had dis- childhood is loyalty to National Govcovered Juana, in honor of John, a ernment. This the children of Cuba son of Ferdinand and Isabella. As have never had, for they have nearly years have rolled on years and cen- all caught from infancy an inspiration turies have passed away it is interest- of disobedience to Spanish rule. This, ing to observe that while Spain has of course, with reference to the native gradually lost her hold on the western Cubans as distinct from the Spanish hemisphere, she has always kept an citizens who claim the island as their entstretched hand upon Cuba, her adopted home, having moved there

With such environment it is easy to ee that the lives of the young people of Cubs of the present day have been pitched in poor season. Nevertheless, it must not be deducted from this that the young folks are growing up in illiteracy to any extraordinary degree. In Cuba there is a system of public schools supported by the Spanish Government, and while it is not as complete and thorough as it might be, of fers liberal advantages, particularly to the children of the larger cities and towns. Many of these schools are not patronized very largely by the native Cubans, because of the antagonism to Spanish officialdom. Thus, it is often the case that native Cuban families of a neighborhood will mutually hire a private teacher for their children rather than send their boys and girls to an institution established by the Government. The Universitad at Havans is well patronized by the Cubans, and this institution has given many a young man a good practical education and skill for professional life. There are in Havana several other institutions for higher education and also fleet under Lord Albemarle, in 1762, many schools and asylums established but was restored to the Spaniards by by churches and benevolent instituthe terms of the treaty of Paris in tious. But, in times of feudal strife 1763. Since the early days of the and dissension, schools and colleges do present century Cuba has been under | not-cannot prosper, nor can they be the officialdom of captains general expected to fulfil their desired scope appointed by Spain, but in more of usefulness and jurisdiction. As a recent years many troubles arose be-tween the native Cubans and the class of Cubans it is quite frequently Spanish, and the island has become a the case that they send their boys to very unruly child, as the revolution the States to be educated at the leadof 1868 and the rebellion now raging ing universities and colleges of this



Since the outbreak of the insurgents for freedom from Spanish rule began, something more than a year ago, Cuba ual citizens. If Cuba should win her freedom and hoist her lone star flag streets. into the constellation of National engenerations of the island whether that flag should wave over a land of peace, contentment and prosperity, or whether it should fall drooping from hands too weak to uphold it? And if the war should result in a triumph for Spain, would not the question of Cuba's future still rest largely with the youth of the land to be wrought out for weal or for woe?

In such a light there is a world of interest in the study of the lives that Cuban children lead-their simple customs and faith; their habits, their pursuits, the daily doings and tendencies of child life. It is but fair in the outset to say that the young people on the sland have had poor chances and few opportunities, for the boys and girls of the island were born and have lived thus far amid seasons



of disturbance. The old feud between the native Cubans and the Spanish has cult to give that care to the training pulses of patriotism and disobedience fingers and needles.

Young children are made to stay pretty close at home on the island. It is well known that in Cuba, as in most and the Cubans have filled with glit- of the Spanish American countries, tering display the columns of Ameri- girls and young women are never seen can newspapers, and as the opposing on the streets unless they are under armies proceed with the war, surmise strict chaperonage of their mothers, as to the future of the island becomes or some friendly matron. This same a perplexity. Whatever may be the restriction is placed over the children result of the insurrection, surely we to a greater or less extent, though of must look after all to the child-en of course it is not so by any well under-Cuba for the best study of her future, stood decree or National custom, as in just as we must look to the youth of the case of young women. The dwellany land to get the surest idea of its ings are for the most part low on the possibilities and its destiny. Countries ground and the spaciouis doorways as are what men make them, and the a rule have iron railings or gates. power and force of nationalities are Through these iron bars little chilmeasured by the worth of the individ- dren are often seen peeping out at the peddlers or other attractions in the

The religion of the island is Roman signs, would it not rest with the rising | Catholic and, of course, the young people of Cuba are reared in the faith of

In the world of amusements, games and out-of-door sports the children find recreation in pretty much the same way that they do in this country. They easily learn to fly a kite and spin a top, and baseball is a favorite sport with them when they grow larger. In such things as out-ofdoor sports the Cubans follow the Americans very closely. The boys play marbles everywhere in Cuba and they have a peculiar way of shooting the marbles from their hands. In America a boy will take the marble on his forefinger as a rest and shoot it out with his thumb. In Cuba he will take it on the ball of his thumb and shoot it out with the forefinger. In general appearance the Cuban

lad is a frail, slender youth, and, as we would say in America, quite small for his age, but as rule they have very bright faces, tinged with yellowish brown complexions, and all of them 200th anniversary of the birth of have very bright, pieroing black eyes. The girls, or senoritas, are all winsome; some quite pretty and some beautiful to a marked degree. They all have the tiniest and dantiest of feet and hands and are as graceful as pointed to Yale after that institution veritable fairies. The senoritas are taught to dance when quite small and the fancy dress balls of the children, where hundreds of boys and girls are paraded in pretty dances, are geat social events in Hayana. The little girls can do all the clever turns of the Terpsichorean art, involving castanets and never died since the war of 1868. It tambourines, and many of them can may have been smothered like live sing with marvelous sweetness of tone coals beneath the ashbank, but there and great skill. Cuban girls are very has been a round of internal discord fond of fine, soft laces and wear all the while. So long as such a state dainty mantillas over their black of affairs is endured by the people of tresses at all times. They are taught any country, be it far more advanced fancy embroidery work at the schools in every way than was Cuba, it is diffi- just as American girls are taught lessons in text-books, and they become

The war in Cuba has Criven and

EDGEFIELD, S.



THE CHICKEN DEALE!

family seeks refuge in tl When the war is over the C come as refugees will pro return to Cuba, for they ar nish people and love their is so well they will rarely weaned away from their nat

QUEER FISH WITH FOUR

Commonly Called a "Water 1 Found in Lake Michiga

Times-Herald, the newspay about some unlucky sports has captured "a fish with leg sometimes asserted that the have been consulted and 1 Such game as this is not a common in the region about



A WATER DOG.

one of the lowest of the group mals called batrachians. It g the name of water dog. It may a foot long and has a broad, fle four short legs, a wide mouthree pairs of bushy gills. The are not concealed as they are in but stand out from the head color of the water dog is ashy and on the back are a number of spots. It is a rather uncanny I creature, and the man who or t, if not acquainted with it are t, and believe it to be venomou the contrary, is is wholly has and it is doubtful if it can be prointo biting. It certainly is not pol

This animal lives perhaps who the water of rivers, ponds and There it conceals itself, at least the day, under stones and oth jects. Out of such lurking plant protrudes its head and watches prey. The gills, which are beautiful scarlet color, are kept to and fro in the water. At n prowls about seeking for food. probably eat any living thing it can swallow, fishes, frogs and It sometimes devours large qual of the spawn of fishes. Son ago, at Ecorse, Mich., about these water dogs were taken !

at one haul. They had doubtless been attracted to the spot by the spawning of the white fish, for some of them were so gorged with fish eggs that, when thrown on shore, the spawn flew out of their mouths. These animals do not depend wholly

on their gills for the air they need. They frequently come to the surface and gulp in air. They are found to have quite well developed lungs. As a rule the batrachians possess gills while they are in the tadpole stage of life, but when this is past the gills are lost. In some respects the water dog remains a tadpole during its whole existence.

## Three Pictures From One.

A pictorial white elephant, says the Eoston Transcript, which had hung fire for an unconscionable time in the galleries of a Boston dealer, was undoubtedly too large to be hung in any ordinary room. It was an Oriental encampment scene, with Arabs, horses, camels, tents, fires, etc., in the twilight, with a rosy afterglow warming the western sky. There was enough material in the composition for a trio of pictures, and the shape, which was uncommonly wide in relation to its height, facilitated the surgery which was at last determined upon as a desperate resort. The work was done with skill. Elegant frames were built for the three new pictures, and before long three customers were made happy at a comparative trifling expense. Each of their works is by an eminent Freuch Orientalist, but whether his name is signed to all three or not we cannot say.

## First American Rector,

Services were held the other day in Christ Episcopal Church, Stratford, Conn., in commemoration of the Dr. Samuel Johnson, the first rector of the church, and the first American to hold the position of rector of an Episcopal Church in the country. Dr. Johnson was the first instructor aphad been transferred to New Haven.

## Frightful Mortality in India.

Official returns from India for last year show that 2893 persons lost their lives through tigers, panthers, bears, elephants and other wild beasts during the year; while 21,538 died from snake bites, three-fourths of which were caused by cobras. About 97,000 domestic animals were also killed by wild animals during the same period.

The heaviest car of wool ever shipped out of Idaho was loaded at Mountain Home the other day. It was a fifty fost car, containing 42,4745ulder, while the under portion, deof children they should have, and they grow up with slim chance of being well educated and with conflicting imwell educated and with

### DAY, DECEMBER 2, 1896.

NTER WEAR. ONS AND NOVELTIES IN MEN'S GARMENTS.

ile Coat of Havana Brown With Hat of Golden 1 Felt-The Latest Styles in Sleeves.

CIDEDLY swell cont is of vana brown Melton, dectoted with Persian lamb, in first large picture. The garment, says May Mannonable length, the lind green and blue changeng a "chic" finish to the imported walking hat of e right front extending in double breasted style

consins call it, "a ruck sleeve," is decidedly becoming and admirably adapted to soft and pliable material. No. 2 is of canvas cloth and is comfortably fitted to the arm from the wrists to a goodly height above the elbow, the same stylish puffs used in No. 1 completing the model. The

Advertiser.

with lace as shown. To make these sleeves in the medium size requires two and one-quarter yards for No. 1 design and one and three-quarter yards for No. 2 design of forty-four-inch wide material.

wrists may be plainly completed or

SERVICEABLE HOUSE GOWN. Figured wool challis is chosen for this neat and serviceable gown, so admirably adapted for home wear. 'The standing collar and sleeve tabs are of n felt with black satin ruby velvet, outlined with narrow lace adise aigrette is a pleas- edging, while the fanciful girdle of niment to this very de- ribbon velvet in the same warm tint the loose fitting fronts confines the fulness at the waist. The pretty gown, gathered at the neck, is mounted over fitted body



BLE-BREASTED COAT AND IMPORTED WALKING HAT.

sibly with a fly. The linings shaped with single darts, the it is reversed to form use of which lining is optional. nd new effect. The and ends. ives shaped with sinse-fitting to the elbow, the top being laid in its are completed with Persian lamb, similar

ing the free edges of el and fronts. The protective collar clostands out with a stylin making this coat, tweed, satin-faced et, or Astrakhan that 1b being particularly

ket may be severely while Astrakhan, Persian lamb or any of the fashionable furs will provide mitable decoration for more dressy ccasions. To make this coat for a lady having

thirty-six-inch bust measure, it will equire three and one-half yards of orty-four-inch wide material, or two nd three-quarters yards of regulation loth, fifty-four inches wide.

#### STYLES IN SLEEVES. The styles for sleeves are legion,

ively at present. No. 1 is represented | velvet completes the neck. hape. The short puff is quite the practical housekeeper.

lapel from the closing closing is accomplished with buttons he close fitting back is and button holes. The seamless back g usual center, side, is gathered at the neck and waist line this point, deep un-shirring, which serves to hold the ful-aits are laid after the ness gracefully to the figure, finishing

non, providing a de- in the center front with stylish bows

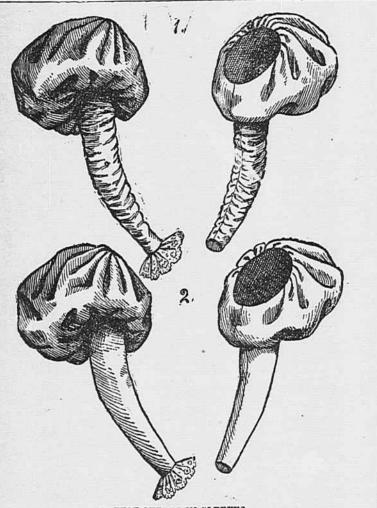
The one-scamed gigot sleeves are of



moderate fulness and are arranged rites May Manton. Two models are over fitted linings that may be omitted ere illustrated which are used exten- if not desired. A standing collar of

a a rich peau-de-soie with a ruffle of All serviceable materials may be oft, creamy lace falling over the hand. employed in making this dainty gown, he mousquetaire effect is the result such as challes, delaine, cotton or wool the material being disposed in crepon, etc., or the garment can be athers extending from the wrist to made of washable fabrics and worn ithin a short distance of the shoulder with linen turnover collar and cuffs, ad arranged over fitted lining of coat | thus completing an ideal gown for the

test feature of the new sleeves and is To make this gown in the medium sthered at the upper and lower edges size requires five yards of forty-four-ith most of the fulness near the inch wide material.



LATEST STYLES IN SLEEVES.

### WISE WORDS.

The greatest duty is the present one. Truth is always ready to be baptized

A covetous man is continually robbing himself.

Whenever we do wrong, something

good in us dies. A bad man can have no possessions

that are fire proof. A better thing than riches is content-

ment without them. Nobody works harder and gets less for it than the hypocrite.

The more we love men, the more we can see in them to love.

Isn't it about as bad to rob a man of his peace as it is of his money?

There is such a thing as a prayer meeting being prayed to death. When the world gives treasure,

always sends trouble therewith. The preaching that is aimed at the head, generally misses the heart.

Whoever has a good temper w be sure to have many other good

Have nothing to with a little sin, or you will soon be in the power of a Disinterested kindness will burn like fire, when we know that we do

not deserve it. Better go to bed hungry sometimes, than get up every morning head over heels in debt.—Ram's Horn.

### Evolution of the Whistle.

When locomotives were first built and began to tundle their small loads up and down the newly and rudely constructed railway of England, the public roads were for the greatest part, crossed at a grade, and the engine driver had no way of giving warning of his approach except by blowing a tin horn. But this, as may be imagined, was far from being a sufficent warning. One day in the year 1833, so runs a story of the orgin of the locomotive whistle, a farmer of Thornton was crossing the railway track on one of the country roads with a great lead of eggs and butter. Just as he came out upon the track a train approached. The engineman blew his tin horn lustily, but the farmer did not hear it. Eighty dozen of eggs and fifty pounds of butter were smashed into an indistingushable, unpleasant mass, and mingled with the kindling wood to which the wagon was reduced. The railway company had to pay the farmer the value of his fifty pounds of butter, his 960 eggs, his horse and his wagon. regarded as a serious matter,

.ghtaway a director of the company went to Atton Grange, where George Stevenson lived, to see if he could not invent on, gave out a shrill, discordant sound.

something that would give a warning the engine boiler and the steam turned The railway directors, greatly delighted, ordered similiar contrivances to be attached to all the locomotives, and from that day to this the voice of the locomotive whistle has never been silent. - Cassier's Magazine.

## Caught a Doe in the River.

The story is told in the Seattle Wash.) Post-Intelligencer by W. H. Morris, an eye witness, as follows:
'Judge Humes and myself took a trip Saturday afternoon to Green River in the vicinity of Palmer for a day's fishing. We camped near the river that night, about three and a half miles east of Palmer. The next morning we started in fishing and had great luck, successfully landing 175. Along in the afternoon I was fishing in a sort of canyon where the water was fifteen or twenty-five feet deep. Below me on a sort of spit was the Judge, his homely dog sitting at his side. Suddenly their was a noise in the bushes above the bank above the Judge and a pretty doe appeared on the bank of the river. The dog jumped for the doe and the doe took to the water. The dog followed and, in a moment, was on the doe's back and had her by the ear. The doe dived to get rid of the dog and was successful.

"As she came up the Judge fired a stone at her but missed. The next time he was succussful, the missile striking the animal in the eye and stunning it. Fearing that the body would sink, the Judge plunged boldly into the water, clothes, boots and hat on, and with one arm swam to the animal which he grappled and held. With his hunting-knife he cut the doe's throat and then swam ashore where several loggers had gathered. One of them who had a revolver claimed the deer on the ground that he had 'jumped it.' The Judge said 'nit,' and held the fort. Afterwards, however, he made all of us a present

## Horseless Carriages in Paris.

Answering applications from the omnibus company and the Compagne des Voltures of Paris the Prefect of Police has decided to allow petroleum carriages to take the place of horse carriages and tram cars in the streets of the city. Other companies in control of the various means of public conveyance have turned their attention to the subject of automobiles, and are preparing for the revolution in traffic, which appears to be imminent, a revolution from which they will derive considerable benefit. The automobiles owned by private persons are now a common sight in Paris streets, and the Journal des Debats says they will soon be as frequently used as a public means of transportation as ' e licensed cab. Among the advantages which the

company would derive from the change would be protection from the uncertainties of expenditure caused by mortality among its horses, and by the great fluctuations in the prices of fodder. Anothor important point is made by M. P. Leroy-Beaulieu, the celebrated writer on economics, who, in a recent issue of the Economiste Français, shows that on the substitution of automobiles for horses the company would have little to fear from a strike. At present when a strike breaks out the company cannot hold out long, for its horses are eating their heads off and are also suffering from want of exercise. Automobiles, on the other hand, would cost nothing while out of work. - New York Press. | bago.

### A-----MOTHERS READ THIS.

## The Best Remedy.

For Flatulent Colic, Diarrhosa, Dysen-tery, Nausea, Coughs, Cholera In-fantum, Teething Children, Cholera Morbus, Unnatural Drains from the Bowels, Pains, Griping, Loss of Appetite, Indigestion and all Dis-

PITT'S CARMINATIVE

#### SCIENTIFIC AND INDUSTRIAL

becommend

Mexico has a 130-ton locomotive. Gas engines propel Dresden cars. Around Puget Sound the region is exceedingly rich and promising in its marine and animal life.

A nail making machine produces as many nails in a given time as were formerly made by 1000 men.

A fossilized tooth of some extinct species of animal recently found in Cedar County. Nebraska, weighs 144

Furniture made of compressed paper being manufactured. It possesses the advantages of lightness, and can

be molded into any desired shape. A company has been formed to lay pipe line from the Indiana oil fields to Chicago. The distance is 170

miles, and six-inch pipe is to be A great find of platinum is reported from Pitfield, New South Wales. The mine is a mile long and from sixty to

150 feet wide, and the ore yields seventy-five per cent. of platinum. That newest thing, the roller steam. er upon which M. Bazin proposes to wheel himself across the channel next month, is not, it seems, new at all. In 1880 a Captain Bagot patented a vessel essentially identical to the Ernest-Bazin, and a year or two later one

similar in idea was said to be building The stopping capacity of the bullet ired from the new English army rifle s rather indefinite. Whenever the rifle has been used against a savage foe it has seemed singularly ineffectual. If the bullet happens to strike a vital spot the victim is dead beyond recall, but if not the bullet is of no more injury than a charge from a pop-

An Italian physician has been makhad ridden thirty-two miles in two bours and a quarter, were examined as to their hearing and in every instance were found to be defective.

After a couple of hours' rest their

### hearing became normal. Cliff-Dwellers at Home,

Hamlin Garland contributes an ineresting article to the Ladies' Home ournal on the homes and home lite of the Pueblo Dwelling Indians (Oliff-Dweilers of the Southwest) whom he lesignates as "The Most Mysterious People in America." "It took fear of man to set these viliages on these heights," he writes. "As I approached Walpi I could hardly believe anything living was upon it. The houses, massive, dirt colored, flat and square as rocks, secreted themselves upon the cliff, like turtles. The first evidence of life was a small field of corn set deep in 'the wash' or dry river bed. Then an old man watching it-seated beneath a shade of pinon boughs. Then some peach trees knee deep in sand. Then some red roof houses built by the Government. By this time I could see tiny figures moving about on the high ledges and on the roofs of the houses. Up the trail a man on a burro was driving a flock of sheep and goats. He wore light cotton trousers and a calico shirt. His legs were bare, and on his head was a straw hat. Farther up the trail some old women were toiling with huge bottles of water slung on their backs. From the moment I entered that trail I was deep in the elemental past. Here was life reduced to its simplest form. Houses of heavy walls, with interiors like cellars or caves, set for defense upon a cliff. Here were flat roofs, thick, to keep out the sun and to make a dooryard for the next tier of houses above. Here were nude children with tangled hair, wild as colts and fleet as antelopes, dancing on crags as high as church spires. Here were dogs just one remove from wolves-solemn dogs, able to climb a ladder. Here were men and women seated upon the floor and eating from plaques of willow and

### burning." Novel Test of Pure Air,

bowls of clay of their own shaping and

A novel method for the detection of the admixture of one gas with another has lately been described. It depends upon the fact that when air, of the same composition and temperature, is blown into similar pipes, such as organ pipes, they produce the same note, but if one of the two feed-pipes be fed with air containing even a small proportion of gas of a different density it gets out of tune and beats are produced, the number of beats being proportional to the amount of the foreign gas in the mixture. It is claimed that by this method the presence of marsh gas in a mine can be detected, and that it can be employed for acoustically determining the amount of carbonic acid in furnace gases.

## Immense Pearl Fisheries.

The pearl shell fisheries of the Merguian archipelago, in the Government of Barma, comprise 11,000 square miles. The gathering of pearl shell is the chief industry, though, of course, pearls are also found. The banks are rented from the Government, and rights to fish sublet on a royalty .-Philadelphia Ledger.

Tobacco was first noted by Europeans on the small island of To-