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UTILIZING WASTE COAL.

Worthless Slack Burned With Ease In Patent Furnace.

An illustration of the feasibility of using waste coal for power purposes has just been given here, one of the new patent water tube boilers having been installed in an oil mill in this city, reports Consul Hamm of Hull, England. The success of a public exhibition given shows, it is claimed, that much coal which has heretofore been rejected as worthless can be used and that greater efficiency can be obtained from this waste coal by the new method than from the best coal by the old method.

The system employs the known principle that almost perfect combustion can be obtained by mixing air in proper quantities with pulverized coal before the latter is introduced into a furnace. This insures better combustion with less air than usual and with a consequent increase of boiler efficiency by reducing the amount of heat carried away by the escaping gases. The results of gained with the poorestikind of fuel are claimed to be as follows:

The almost total elimination of losses, as all the fuel is burned in suspension, the amount of unconsumed coal in the furnace at any given time being infinitesimal.

The rapidity with which steam is raised under ordinary conditions. The system differs from others in that with ordinary furnaces some time is taken before the fires are completely alight, but in this case as soon as the boller is fired theeretically full effect is obtained.

The smallest and cheapest kinds of "slack" are burned with ease, and high efficiencies are obtained.

The arrangements which permit a close inspection of the straight vertical tubes

The reduction of supervision necessary.

Coal dust costing \$1.25 a ten, which could not be utilized in any other way, was burned under this boller and gave equal efficiency as compared with coal costing \$2.50 a ton and used with the old style of boller. The bolles an be started and stopped by holding the fire up in one minute. In twenty-six minutes a steam pressure of 180 pounds can be obtained, whereas it takes about four hours to dre a boiler of the old style. At mealtimes the fire cup be cut off and a great saving of coa, effected. An additional advantage is that the space occupied by the bolier is considerably less than that required for the

JOY OF CREATING.

THE

DISPA CH

Put Your Heart In Your Work, No Matter What It Nay Be .

While every man who makes a living is not a genius, yet the real joy of creating can belong to each of us in just as real and true a way. If we put into farming or banking or our school work the sense of making something we get the great treasure out of it. When we fill any task with ourselves we make something.

A girl says, "I made the room tidy," which simply means she put something of berself into the disorderly room and so beautified it. After she had made it tidy it reflected something of herself; it looked some idea of order such as she had in her own mind. A boy says, "I made a good recitation in. school vesterday," and he is right, for, although the lesson was already there, it had to wait for him to come along and make it a recitation.

So it is everywhere. Making anything means, no matter how simple the task, that we bring out something that did not exist before and that that something is to some degree like the maker of it. We get out what we put in. It any one wants to be miserable the surest way is just to do things without outting his whole heart and self into them. Think of the mere outside of the tasks and they are not worth doing. But once put yourself into them and all that is changed .-St. Nicholas.

A LEGAL LEGEND.

.

The Tale of a Telling Comparison In an Oriental Court.

When Abd el Hakk was poor, as be was one day traveling across a weary plain, be came to the house of the Widow Zaidah, who was also poor, but rben be nade known bis buuger she set before bim two bard boiled eggs, I'l the food there was in her house.

Later, when Abd-el-Hakk lived in Marakesh and was very rich, Meludi, the lawyer, disliking him, persuaded the Widow Zaidab to sue him for the ggs, but not for the eggs alone, for they would have become two chickens, which in time would have so multiplied that the whole fortune of Abd-el-Hakk rould not now pay for them. When the case came to trial the rich man was not in court. "Why is the defendant not here?" de-

manded the judge. "Mr o'ord," said counsel for the de

WOODSTOCK SCHOOL OF MUSIC

Oct. 13,

The most successful Music School in Canada

1915.

THE WOODSTOCK SCHOOL OF MUSIC was started by Mrs. Adney simply as a Nan e under which the scope of work of the most successful teacher of music in this Province might be extended. We shall not here refer to the course of study offered, except in a passing way, but to those more personal matters which so far out weigh all other c n iderations as to make the list of truly successful schools of any kind very few in number, It is altogether w matter of the TEACHER.

The secret of Mrs. Adney's widely known success is that resolved upon having the best instruction at any cost she had the wisdom to select or the good fortune to be directed to the BEST TEACHERS IN AMERICA, and has the William Mason was our greatest teacher of Piano and admitted as the faculty of imparting what they taught her. He was a pupil of the immortal Liszt. Her lessons, over in extended period, were equal of the best of Europe. Previously, she had instruction from Gonzalo Nunez, a distinguished graduate of the cheap at six dollars apiece. Par's Conservatory, where Prof. Le Couppey was Instructor on Piano. This world's greatest music school also perpetuates the musical theories of Liszt. These ideas lead to a technique in contrast with that of the dry, We criti i:e German execution, not Cerman music. The influence, however, mechanical German 'echnique. of this nation of musicians is such that their "method" is the one nearly every where met with. Combining Mason's "Touch& Technic" with the thus rarely taught "Conservatoire method," it is worthy of note that Mrs. Adney's steady use of "Le Couppey" has exhausted the American edition, and a new one is being printed for her use.

In Voice, Mrs. Adney was in a sense almost equally fortunate. After some instruction from a famous (that is to say, well advertised) teacher, whose method was ot as great as his celebrity, nor his charges, she took lessons under Mr. A. A. Pattou, a distinguished French singer and teacher, who with the finest credentials that France had to offer, came to New York to make his debut where German influence controlled everything from orchestra members to oceas critics, and it being shortly after the Franco-Prussian war his reception was so hostile that he abandoned us intended career in Grand Opera, and retired to the routine work of a teacher. Later she studied at the N. Y. Vocal Institute, under the talented Mr. Tubbs, editor of The Vocatist, and Clived many ideas that have So it happened that, by accident or otherwise, Mrs. Vie acquired the method in proven of great value here. of voice production and singing of the great Garcia, and the almost equally famous Shakespeare-the only true n that which has produced the great singers of Italian and French Opera.

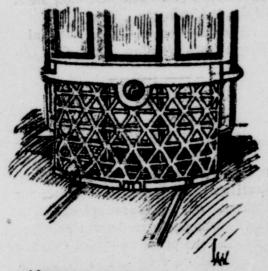
etc., under the name When deciding to carry on her well known private work in Piano, Singing, Musical They It perhaps did at the head of this section, it was with the idea of extending its scope as opportunity might : hree years after its not occur that Wooustock could not insintain a Victoria Conservatory of Music," which during establishment became an institution of such recognized in portance in the music world of Canada il at a special publication entitled "Musical To: onto" gave her and her work extended space. Perhaps it was because ore of her pupils, solely instructed by her, went to the Toronto College of Music and in the same year took the Co'd 1 da in Piano. Two other pupils sisters, one fifteen and one thirteen years of age, after studying with Mrs. Adney ant id one of the fore The head miss i writing to theif most Conservatories in Europe and began immediately to play in public recitals. parents said "they have had the perfection of piano forte training and are artists already." To 'vy her work has be on so well recognized in the United States, that she has been invited to become a member of the to national Musical Society, formed thirteen years ago by the very leading musical professors and patrons of the world, unly seeking membership of those identified with "advanced mus ca! research and its results."

There is a point relating to "Diplomas," "Graduation," etc., upon which Mrs. Adney needs again emind the Except for theoretical studies such as harmony, this School gives no "Diplomas," has no aladuates.' public. In all practical, artistic work, the only test of proficiency recognized among artists is that of the actual work ... ell except for the degree of Doctor of music, for which only the masters ever qualify, and which is recognition of excep well proficiency and musical learning For all others the only recognized test is ability to perform, from memory to say, two recitals, a pro; ra n of pieces of certain grades of difficulty, one of ordinary music, and one from the repre 1 ative works of the great Masters. The program itself is the "certificate" and no teacher of high standing 11 . ers anything else; and whatever institutions hold forth as an inducement the prospect of a "Diploma" for a certain of time in study, it may be taken as certain that the actual teacher is indifferent—any person whom the institutio it convenient from time to time to employ. Even a school or institution becomes famous only through some tional TEACHER in it. artist of real distinction offers only his program: no one asks or cares WHAT cho, studied at, but who was his TEACHER. The aim of this school is not to grind out graduates with diplomas: offer the best musical instruction, in our lines, that can be obtained in the Maritime Provinces, if not in Canada, and

ordinary boller.

Automatio Car Fander

A side shifting spring net and automatic trip fender for street cars has been tested out on the Portland (Ore.) street mailways. The fender swings



SPRING MET STREET CAR FENDER.

any person or object it comes in contact with to one side of the track. At is claimed that this fender wat the only one of the number tested out to be favored by the fender committee of the Portland city council.

Electric Figeless Cealer.

- 195

A decided disadvantage of the fireless cooker is that it is not entirely fireless, for the heat of a store or gas jet is necessary in order to bring the food to be cooked to the proper temperature where the cooking process continues after being placed in the interio of the cooker. A new form of the fireless cooker makes ust of the aglectric current for the purpose of im-Parting this initial heat, and the combination is said to represent a great convenience and economy. The artithe les to be cooked are reaced inside the the current turned. Received of the complete insulation of the stensils the consile process starts almost imme-Wately, the amount of current being r wall. As soop as the cooking has started it is only necessary to turn of the current, and the work of cooking goes along indefinitely until the artivies are removed. This apparatus is compact and dispenses with the use of a chigany.

Cranes and Herons In Surgery.

Many substances have been employed in turn for making sutures in surpery, Such substances must possess reculiar properties which are not rendily found. Of recent vears there has been recommended run' used a new material of this kind, the , mdons of the legs of cranes and heron ; The fests show that these tendons are p'rficularly well suited for surgies 1 use. The pro said to form excellent gatures and are readily absorbed after the wound has beeled. -Beientific Amertense, "he is gone to sow boiled beans." "Boiled beans?" "Boiled beaus, my lord."

"Is he mad?"

"He is very wise, my lord. Surely if hard boiled eggs can be hatched boiled beans will grow." The suit was promptly dismissed,

with costs to the plaintiff .- Pearson's Weekly.

A Wonderful Escape.

Fieschi tried to assassinate King Louis Philippe of France in July, 1835. The king was riding along the lines of the national guard in the Boulevard du Temple, There came a crash and a rush of bullets. Louis Philippe's arm was grazed, his horse was shot in the neck, Marshal Mortier fell dead and about thirteen other people were killed and thirty wounded. Fieschi had taken the upper floors of a house several weeks before and there rigged up an oaken frame four feet by three feet six inches, supported on four posts of oak and itself supporting twenty-five gun barrels fixed in grooves at various angles so as to command an area of twenty-five feet in length and ten feet in beight. When he fired the train of powden that let of his battery the king would have been killed if four barrels

had not burst and two missed fre.

BENT BACK THE RULE.

Mit. Y Sauce For the Goose Was Not Jauce For the Gander. "

win the early wiays of a certain club of New York, when it was rather barder sledding for the club than it is whe present time, in a meeting of the council the question came up es to the arrears of members dues, and the treasurer reported that one mas was particularly recreant in this regard. It was in the winter, and the club was then maintaining throughout the day and evening beautifully heated and hented quarters. At this time the orly person in the club who frequented it every day was this delinguent. who, in addition to doing a large portion of his writing thereawas accustomed to make considerable inroads upon the stationery of the club for home consumption

At the meeting of the council referred to there was protest against this state of affairs, and a determination was manifest to put an end to it. and after discussion the secretary was instructed to notify the member in question that his prime had been dropped from the rolls of the club.

The question then arose whether there was anybody else who was in arrears, whereupon the treasurer Aported that this was true of another m.". ber.

"Who can that be? Let us make an exa mple of them both," remarked one memin hringing his fat down an

ter than will be obtained by going to any but the few greater masters in the large cities of the United States.

Thus Woodstock offers advantages for musical study that one may go to any city in Canada, or to New York o Mrs. Adney did not in the first instance select Woodstock as furnishing the ful London, and perchance not get. scope for her exceptional talents as a teacher, but she has made it and the work done here by pupils who are now such cessful teachers in various parts of United States and Canala, a credit to Town and Province,

Harmony, History and Theory of Music taught in classes which are free to pupils of the school Ensembl classes taught by Mrs. Adney are also free.

Prospectus on application,

oy nis tenow cuizens. the trole for emphasis. The reply Who wouldn't be the coust " banker?- Leslie's. "Oh, heavens!" replied another. "We

Ancient Tipping.

Tipping is an exaction of so recent growth Describing life at the court of King Henry 11. of Ergland. Peter of Blois complains of the importunity of the medieval marshals, whose annoyances continue "outh they get something from you and are most ungrateful when they have may, open enemies aniess your hand is costinuously in rour pocket." while the "outer porters will tell you the most unblu-ling falsemoods, and if you are an bouest and religi as man, but have giver 'them nothing the day before, they will keep con an unreasonable time standing in the rain and mire."

Will'na to Help Him

"" i dow' you want to let me hold rour and ! "What gued 'at ald it do you to hold

my hand?"

"it would make me glad and give are contrage perhaps to-to say something that i- 1- er" -

"feere! I'lease hold both of my n-tuds "- Chicago Record Herald.

Her Mark Down Mania.

Mrs. Benham - You are always making mountains out of molehills. Benbam - And you are always marking vountains down to molehills. - New ork fress.

Not a Permanent Return.

"I we your married daughter is home gain!

"Yes but only for a visit, my dear-Ny for a visit."- Detroit Free Press.

Punsters.

Donglas Jerrold, when challenged to make a pun on the zodiac, replied, "By Samini, I Can-cer."

Rheodone Hook, when he was improvising at a party, and a Mr. WinterAs weil known inspector of taxes, was annonnced, went on without a moment's break in his performance:

Here comes Mr. Winter, inspector of taxes.

id advise yet to give wim whetever he axes. Ta advise ye to give hito without any

fummery. "om no ther, the banker must be dev | For though his name's Winter his actions

are summary.

New Mexico's Cost Reserve.

こうたいための ちょういたん ちょう シーム

The first record of coal production in New Mexico is contained in the issue of the first volume by the United State geological survey of mineral re-sources of the United States, which covered the calendar year 1882. In that year the reported output was enly 157,092 tons. From 1882 to 1910 the total production has amounted to 31,-102,818 short tons, which, including mining and other loss, represents a total exhaustion of about 46,600,000" tons. According to the estimate of Mr. Maurius R. Campbell of the United. States geological survey, the original coal supply of New Mexico was 163,-780,000,000 tons, so that the exhaustion to date represents approximately 0.03 of 1 per cent of the original supp... Mr. Campbell's figures do not. however, include the content of seve eral newly discovered and extensive fields.

Cactus Telephone Peles.

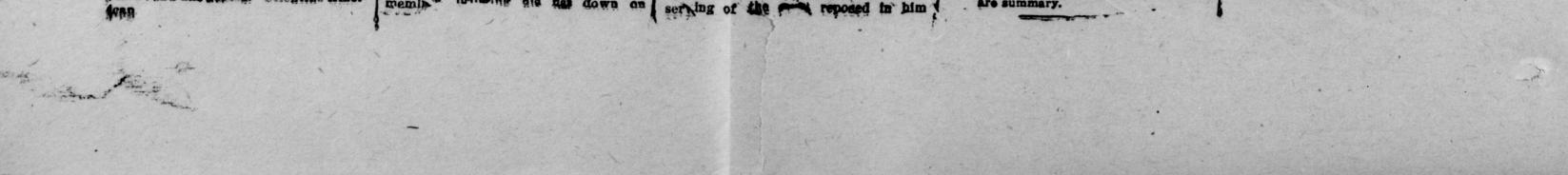
A cording to a recent press report, the government is about topbuild a telephone from Tucson, Ariz., into the Catalinas for the forestry service.' The building of the line will be rather difficult, owing to the rocky nature of the country, which will make it impossible in some places to set wooden poles of the ordinary type: It has been proposed that in the canyons the cact? growing along the line be used. Brackets will be fastened to the cacti, and the wires will be supported on the brackets in the usual way. This type of pole may be adopted wherever cactus grows along the line, provided 15 does not require too much zigzagging.

Utilizing the Waste at Quarries.

A noticeable feature at manyrof the" Massachusetts granite quarries is the recent addition of stone crushers for turning the small waste into material for concrete, and even the "dust" fromthe crushers is in demand. Most of the waste is now utilized in pavingblocks and crushed stone.

False Teeth Made of Paser.

Faire teeth made of paper in Gerwell as porteinin ones and to be strong-er and ches per-



was that it was Mr. X., the poet.

the club."

preacher.

can' fet X. go. He's too important to

Whereupon the resolution was then

amended to read as follows: "Re-

solved, that the secretary be instruct-

ed to drop the name of Mr. Q. from

the rolls of the club for nonpayment

of dues and to retain the name of Mr.

THE COUNTRY BANKER.

His Standing In and His Grip Upon

this Own Community.

The first public convenience a new

commodity wants is a bank. Ofttimes

it comes before the church or a news-

paper; but, as a rule, it follows both.

It is bard to beat the editor and the

If the influence exercised by the

bankers of our great citles constitutes

a menace to the public welfare, what

shall we say of the grip that the little

bank holds on its community? The so

called "country banker" to succeed

must be aminent for all the qualities

that make up a truly good man. Usn-

ally he is a church member and often

a Sunday school teacher. He is con-

suffed by puliticians regarding the local

government, and the candidate who

has his appresidation is envied, for he is

usually the twinser. To the country

banker are confided the troubles, do-

mestic as well as daancial, of all who

have access to him. And everybody

The banker is first to subscribe to

every good can se. He is the com-

munity's adviser 18 to investments and

the arbitrator of its business contro-

versies. His word is as good as his

bond, and to his wedit it must be

added that with rate exceptions. it

deserves to be. He avks few favors,

and these are always ; wated. He is

the center of the social . We of his vi-

cialty. His voice is that of authority.

He is loved, respected, ad. vired and

(eared. The banker is a may of in-

t. grity. The slightest cloud on Car or

on his bank will settle them bot: . In

this Matter he stands with the pre. tch

er. So, from selfish considerations, if

seeks to have access.

X. for the same reason."-Century.