EVOLUTION OF THE BOILER.

Pictures of the Present Beauties and Makeshifts of the Post.

HERO'S ORIGINAL STEAM GENERATOR.

Story of the Days When Watts Was Studying Teakettle Athletics - Doings in the Labor World.

"The recent controversy over the 'fusible plug' ordinance passed by the city council and the organization of a new order of stationary engineers has drawn especial attento this class of skilled laborers and the work they are doing," said W. B. Austin to a re-

"I have been making a study of the history of steam using and have found lots of things that will, I think, interest my fellow engineers of Omaha.

"Water and fire are said to be the two grand forces of nature. Accept this to be a fact, it is safe to say that steam has always existed. "According to Webster 'steam is the elastic

scriform fluid into which water is converted, when heated to the boiling point. Water in the gascous state." "A cubic juch of water will make a cubic foot of steam, in other words the water has

expanded 1,700 times by the application of heat at atmospheric pressure. "The use of steam was known before Watt got interested in his mother's tea kettle, and bollers were made in which to generate it. A steam boiler from which a hot air blast or an air blast mixed with steam is blown into the fire to urge the combustion is shown in Hero's Spiritana. See folio edition, a copy

of which is in the patent office library.
"Hero is said to have a water fountain "Hero is said to have a water fountain caused by steam pressure, B. C., 150. Anthemius nad a 'steam caldron and escape pipe,' A. D., 540. Gerbert had a 'steam played organ,' A. D., 1000. A steam bolier is a vessel in which water is converted into steam for manufacturing and commercial purposes, sometimes we call a boiler a steam generator. a boiler a steam generator.

"The boilers used by Hero was a sphere. So were the boilers used by Savery, Papin and Worcester, only the latter used some sort of spiral flue on the outside.
"Steam boilers are known by their shape,

as spherical, haystack, kettle, wagon, cylin-drical, or by their position, as upright, porta-ble, horizontal, stationary; or by their use, as locomotive, marine; or by their construction, as cylinder, sectional, flue, tubular, and drop fluc; or by their inventor or locality of inventor, as Smeaton, Cornish, Lancaster, Galloway, Harrison, Root, Babcock & Wil-

"The first boiler of any importance was the 'wagon,' so called from its shape, which looked like a wagon box with a over. It was used by Watt, and is in use in some localling to the was used by Watt, and is in use in some localities to this day; some makers concave the sides while others make them flat. A boiler of this kind is used only for low pres-

Boilers before the invention of Smeaton "Boilers before the invention of Smeaton (1740) were globular or sagments of spheres, and were heated from the exterior exclusively. Smeaton invented the flue boiler, so that the heat might go through the interior. He made a horizontal cylinder boiler with one flue. Oliver Evans (1789, the Watt of America,) had a fine boiler with a signal content. had a flue boiler with his engine which he used for a steam dredge, steam scow and stone saw, patented February 14, 1804, ex-tended by Congress February 7, 1815. Captain John Stevens had a flue boiler in his boat in 1804. Trevethick had a flue boiler in his locomotive of 1802. It was a return flue boiler. One flue was used as a fire box, the heat returning through the second flue to the chimney over the fire box. Several of these locomotives were on the Liverpool & Manchester railway, 1829. The first boiler to chester railway, 1829. The first boller to have small tubes was introduced when George Stepenson built the 'Rocket' in 1829. By their success in the Rocket the locomotive became a fact. It was the rapid steaming quality of the Rocket that enabled her to beat Braithwait's and Ericsscon's "Novelty." beat Braithwait's and Ericsscon's "Novelty," and Hackworth's 'Sanspareil.' Henry Booth, secretary of the Liverpoot & Manchester railway, was the inventor of small tubes for boilers. Many unusual forms of steam boilers have been either suggested or made, intended to secure compactness or economize fuel. The two points are not perfectly attainable in one structure. The fectly attainable in one structure. The Cornish boiler and the locomotive boiler are representatives of the two ends of the scale.

Plain cylinder boilers were in use in manufacturing until thirty or forty years ago, but they are to be found in some localities to this day. They were generally built about thirty-six inches in diameter and from thirty to forty feet long. and from thirty to forty feet long.

"They are very easy to clean and repair, and cost of construction is low. They are also very durable and have an unimpeded circulation, which render them very desirable for bad water. They require a good deal of room and are not economical in the use of fuel. When exploded by carelessness, the consequences are very disastrous. Flue boilers are usually made with two or four or boilers are usually made with two or four or sometimes five flues made of boiler iron. The standard size may be said to be 42 inches in diameter and 20 feet long, with two 15-inch flues, which gives about 300 square feet of heating surface and will rate as 20-horse power. The two-flue boiler is very popular on river steamers in the United States. The two-flue boiler is very easy to clean and somewhat easy to repair. They have a fair circulation, and some economy in fuel, but may be numbered with the primitive boilers. may be numbered with the primitive boilers. The Cornish boiler is an old form of boiler. They are cylindrical and have one large five extending from head to head. The fire-place is in one end of this flue and the gases pass around the bottom and side through passages in the brickwork which surrounds the boiler. These boilers give a fair economy of fuel, are recognitive for cleaning and require bases. accessible for cleaning and repairs, have a fair circulation, but are poor steamers and occupy considerable floor space. It is dis-

becapy considerable floor space. It is dis-lineively an English boiler.

"The Lancashire boiler has two flues ex-tending from head to head, with the furnace in one end of the flues, it has about the same advantages and disadvartages as the Cornish boiler, but it steams quicker. It may be called a double flue Cornish boiler.

"The Galloway bolier is nearly a Lancashire bolier, with Galloway tubes, which may be called conical water tubes, the larger end being upward. They are set at intervals being upward. They are set at intervals along the length of the flues and across them. along the length of the flues and across them, in both vertical and diagonal positions. They promote circulation in the boller, and add greatly to its heating surface and efficiency. The Galloway policr is strong and durable, fairly accessible for cleaning and repairs. It is very economical in the use of fuel. They are said to have an average evaporation of 10.75 pounds of water per pound of Welsh 10.75 pounds of water per pound of Welsh coal. We consider this high economy. The average performance of American boilers is esnsiderably less than eight pounds of water per pound of coal. This may be due to the ris may be due to the inferior coal furnished by American steam users for this purpose. The standard size is about as follows: Steam, 75 pounds; length, 27 feet; diameter, 7 feet; weight, total 15½ tens; sheet plates, 7 feet; weight, furnace diameters, 15 inches of the length before a plate in the length length before a plate in the tons; sheet plates, 7-16 linen; furnace diame-ter 33 inches; furnace plates, 3-1 linch; end plates 14-inch; grate area, 33 square feet; heating surface, flues 450 square feet; Galloway tubes, 30 square feet; external flues, 370 square feet; total, 830 square feet. One great objection to these hollows is that they require so much boor square feet. One great objection to these boilers is that they require so much floor

The horizontal tubular boiler is a distinctively American boiler and is the stan-dard steam boiler, being a great favorite with steam users and engineers, which is an outgrowth of 100 years' experience in steam

production.
"In the plain horizontal tubular boiler the with the plant norizontal tubular boiler the shell is filled with as many small tubes from two inches to four inches in diameter as is consistent with the circulation and steam space. In firing this type of boiler combusa first takes place under the shell, the heat and gases passing through the tubes to the chimney. The horizontal tubular boiler is and gases passing through the tubes to the chimney. The horizontal tubular boiler is popular because—1. The cylindrical form is the strongest. 2. It is the cheapest. 3. It permits the use of thinner metal. 4. It is the safest. 5. It is inspected without difficulty. 6. It is most symmetrical. 7. It is manufactured easier. 8. It resists internal annufactured easier. strain better. 9. It resists external strain also. 10. It can be stayed and strengthened better. 11. It encloses the largest volume with least material. 12. It is the result of many years experience in boiler practice. 13. It is the form adopted or preferred by all experienced engineers, in the matter of first sost and relative economy in the tubular boiler and the two-flue boiler so much in use in this western country,
"Let us take for example a twenty (so-

"Let us take for example a twenty (so-called) horse power boiler of each type, and we have: Flue boiler, 42 inches in diameter, 20 feet long, 1.15-inch flues, about 500 square feet of heating surface; tubular boiler, 36 inches in diameter, 13 feet long, 28,25 inch tubes, about 300 square feet of heating sur-face. Fluor space, first cost seconomy brick face. Floor space, first cost, economy, brick work, etc., go in favor of the tubular boiler. 'Locomotive boilers or fire box boilers should never be used for manufacturing pur-poses. While it is a rapid steamer, it is not economical in fuel, and should only be used when a portable boiler is required. In locomotive boilers 60 per cent of the evaporation is due to the heating surface surrounding the fire box. In the ordinary portable boiler for farm use the fire box furnishes 75 per ceut of the evaporation. The vertical or upright boiler is but another modification of the hor-izontal tubular. There are several patent boilers being introduced of late years, but as soliers being introduced of late years, but as yot they are only in the experimental period. They are the water tube, the Trible draft, the Sloane, the Hazelton, the Climax and the return flue locomotive boiler. The water tube boiler is becoming very popular in the United States and Europe in sugar refineries and factories requiring a large amount of steam for cooking and drying. This is probably on account of their rapid steaming ability.

"The capacity of the boiler should be ex-The capacity of the buler should be expressed in its evaporation per square foot per hour. The term 'horse-power' has no application to a steam buller, and is only in mechanical engineering as an arbitrary unit or standard of measurement and is equivalent to 33,000 pounds raised one foot high in one minute. What would be a twenty-horse power buller with one engine might be sixty-horse power with another engine. The evaporation per square foot of beating surface oration per square foot of heating surface varies in different forms of boilers—the max imum is six pounds. The average, however, is about three pounds.

In a twenty-horse power tubular boiler we ave about three hundred square feet of heating surface, and with an evaporation of three pounds per square foot, would furnish 200 pounds of steam per hour. With a standard slide valve engine the steam (water) per horse power per hour would be about fortyfive pounds—then we have 900-45—twenty-horse power. Now let us put an automatic engine (say a Corliss) in the place of our slide-valve. This engine should use about thirty pounds of water per horse power per hour—then we have 900-30—thirty horse power. Now let us put in a compound condensing engine using fifteen pounds of water per horse power and we have \$600.10 per horse power per hour, and we have 200-16 -sixty horse power.

Thus it can be seen that the boiler simply generates the steam white the engine furnishes the horse power, so called "

National Labor Convention. Official notice has been received in the city of the eighth national convention of labor commissioners, to be held in Philadelphia on May 19. The meetings will be held at the Aldine hotel, and every state in the union that has a labor bureau will be represented. Hon. Carroll Wright, United States commissioner, will address the de legates, and Prof Rollin P. Falker of the U niversity of Penn sylvania, will deliver a paper on "Statistical Work in Continental Europe." A member of the Royal Labor commission of England will be present, and a representative from Bel-gium is also expected, so that there will be an international exchange of ideas. Among the practical benefits arranged for will be visits to the Baldwin locomotive works, the Bromley carpet works, Cramp's shipyards, the Philadelphia steel works, the state prison and other large industrial establishments. The effect of this will be to render the convention as far as possible a school for the

visiting commissioners. Printers' Tr ubles.

The typographical union of Denver at their iast meeting ruled against the use of plate matter in subsequent editions of United Labor, thus making a considerable change in the issue and considerably increasing the cost. That paper makes a vigorous protest against such action, especially when directed against a labor paper working strictly for union principles and strength. It is claimed that 90 per cent of the labor papers in the country are either plate matter or patent insides, and if similar action were taken sides, and if similar action were taken throughout at least one-half of their number would have to suspend publication,

Barbers Can't Unite.

The barber's union of Denver has practieally gone to pieces, having given up the fight against those shops that chose to open on Sundays. When the struggle originally began the union had the best of it, for at one time almost every shop in town was closed. But one by one they retrogaded and opened up and the union took no vigorous measures, the consequence being their final defeat. Their ranks are very much broken internally, their walking delegate having been expelled from the union in a rather summary manner, and their chairman baving been deposed from his high position as the result of that gentleman's reciprocations. The trouble is personal, and in each case about paltry sums of money, and has done a great deal of harm to the union cause throughout.

1 abor Resolves.

The central labor union has adopted resolutions as follows:

Whereas, A few bakers are selling bread autagonistic to union labor and without the union label; therefore be it Resolved. That the delegates to the central labor union be hereby instructed to notify their respective unions to buy no bread unless their respective unions to buy no bread unless stamped with the union label. Whereas, The barbers of Omaha have, after repeated efforts of the organization committee of the central labor union, refused

to organize; therefore be it Resolved. That until further notice members of the central labor union of Omaha patronize the colored shops, as they have a union and are represented in this body; and

Resolved, That all other organizations of labor and their friends do likewise, and that delegates from this body ask their unions and their state of the state of assemblies to endorse our action in this matter and report action to this body at subse-

quest meetings; also
Resolved, That these resolutions be published in United Labor and other city papers. Lord Coleridge writes: "Send me fifteen dozen Cook's Extra Dry Imperial wine. I tried it while here and find it super ior."

See those beautiful lots in Haleyon

Heights. Crary & Crary. IMPLETIES.

■D. D.—I believe in fighting the devil with fire. M. D.—Ah, you are a homocopath

The Huron (S. D.) Huronite says that the drought being brosen there is promise of a revival at the Baptist church. Hypnotism is used as an excuse for almost

everything nowadays. Even the man who falls asleep in church says he was hypnotized. A Philadelpnia auctioneer's sign reads: "The Lord helps every man who helps him-self, but God help the man caught helping himself here."

Premature disclamations of Episcop al clergymen of uncaronical practices, recall the story of the lad who uttered his lamentations before he was injured.

The attention of some clergymen who preach elongated sermons is called to the advice af Lord Chesterfield: "Talk often, but never long. In that case if you do not please at least you do not tire your hearers."

Rev. Gifford, the Milbank, S. D., preacher who was captured by a wronged husband re-cently, has secured bail. He admits that appearances are against him, but asks suspen-sion of popular judgment until be can present his case in court.

DeWitt's Little Early Risers for the Liver. See those beautiful lots in Haleyon Heights. Crary & Crary.

The Woman Preacher.

Why are these bald-heads in the church!"
asked Chapple-on-Parade. Because a woman preaches here," the usher gravely said.
"They watch her till they fall asseep, the while she sweetly preaches.

And awaken fresh as daisies by the time she

twelfthly reaches —
Thus they feel like raising Cain till Monday morning. Get prices on Halcyon Heights of Crary & Crary.

Do you know about Haleyon Heights? Crary & Crary can tell you.

ECHOES FROM THE ANTE ROOM

Scottish Rite Masons Hold a Lodge of Sorrow.

A SOLEMN AND IMPRESSIVE CEREMONY.

Celebrations of Oddfellows' Anniversary - Doings Among the Pythians - The Scotch. Irish Society.

The principal event of the week among the fraternities was the lodge of sorrow held on Wednesday night by Mount Moriah lodge of Perfection, No. 2, Ancient and Accepted Scottish rite, of the southern jurisdiction, in the cathedral room in Freemasons' hall.

The lodge was held in honor of Albert Pike, late grand commander of the southern jurisiction, and the following deceased members Mount Moriah lodge: Carl A. Fried, Thirty-second degree, who died August 16, 1887; Dr. Lorin Miller, Thirty second degree, who died July 31, 1888; William France, Fourteenth degree, who died September 13, 1888; Graham Jenkinson, Thirty-second degree, who died December 23, 1889, and Dr. George Byron Ayres, Thirty-second degree,

who died August 19, 1800. The todge room presented a handsome appearance, with its bright fittings contrasting sharply with the emblems of mourning. In the center was placed a catafalque draped in dead black; at each corner was placed a fluted column supporting a sphere, the columns and spheres being draped in black and white. In the east, west and south, near the catafalque, were placed tapers, and at the west was placed a large iron cross entwined with ivy. In the east, beside the station of the thrice potent grand master, stood the handsome banner of the consistory with its golden double-headed eagle. At each of the officers' stations were two seven-branch candelabra, and in the west hung a large oil portrait of the late grand commander draped in mourning.

At an early hour the room began to fill up and by so'clock every soat was filled with the exception of those reserved for the lodges. Invitations had been extended to all Master Masons to atten dwith their wives, and the initations met with a generous response

Lodge was opened on the Fourth degree in the small Scottish rite room, and the mem-bers then marched into the cathedral robed in sombre black gowns and caps, taking seats on either side of the catafalque, while a dirge sounded through the room in solemn tones. N. B. Apple, the thrice potent grand master, was seated in the east, and the exercises opened with chanting "De Profundis" by a qurtette consisting of Mesdames Cotton and Moeller and Messrs, Wilkins and Limbard, with Prof. Butler at the piano. The music was a prominent feature of the service and was rendered in an impressive manner in the finished and effective style of this well-known quartette of artists.

The service proceed in a solemn and im-

pressive manner, consisting of reading of the ritual interspersed freely with chants by the quartette. During the couse of the reading the three tapers about the catafalque were extinguished one by one, while the service assumed a more funereal tone. Then the tone changed and took on a feeling of gladness; the tapers were relighted and the music changed in tone. The change was made when Mrs. Cotton sang "I Know That My Redeemer Liveth" in the artistic manner so familiar to the musical public. This was followed by the Te Deum. Te Deum.

The reading of the ritual being completed the master called upon the brothren to speak of the departed and the following responded: Rev. J. W. Hewitt delivered a eulogy on Albert Pike, late grand commander; Gustave Anderson spoke of the life and character of Carl A. Fried: Thomas Crane spoke of Dr. Loren Miller and his many good works; W. W. Keysor made an excellent address upon the life and character of William France; G. Jenkinson; J. J. Points eulogized Dr. Ayres; and William Cleburne spoke from personal knowledge of the life and noble qualities of Albert Pike.

The service concluded by the singing of "Nearer My God to Thee," by all present.

low t Knights Templar.

The Knights Templar of Iowa held their last grand conclave on what is known as "Templar Park," situated on the west shore of Spirit lake and for the first time since the acquisition of the property an opportunity was afforded them to behold its beauty and to form an estimate of its value. It was plain to all that Spirit lake was fast pushing itself to the front as the popular summer re sort of Iowa, and the members of the grand commandery decided almost unanimously to hold the grand conclave of 1891 on the property and to erect a building suitable for their accommodation. A board of trus-tees was appointed and everything pertaining to the erection of the building was placed

in their hands.

The building is to be a two story framstructure, 32x80 feet with a two story bal-cony eight feet wide o: the front and the two cony eight feet wide or the front and the two sides. The outer strace will be of drop sid-ing and the inside finish of Georgia pine. The first story will consist of a commodious banquet hall and four rooms, which, during the sessions of the grand body will be used as committee rooms, and on festal occasions as cloak and dressing rooms for the knights and ladies. On the second floor will be a large assembly hall and and three ante-rooms. The front of the building will be about the The front of the building will be about if y feet from the brink of Templar point, the highest elevation on the shore of the lake, and the roomy balconies, will afford a magnificent view of the lake and surrounding country. It is not expected that the build conclave which will begin July 14, but the main building will be put up and the assembly ball and stairway leading thereto will be in reading. in readiness.

The famous regiment known as the Ninth New Yor's volunteers (Hawkins zouaves) during the war, fraternized during the past week with the equally famous regiment known as the Third Georgia, on the occasion of the thirtieth anniversary of the zouaves. These famous commands, the one wearing the blue and the other the gray, learned to respect each other amid the din and shock of the blue and the other the gray, learned to respect each other amid the din and shock of battle at Canaden or South Mills, in North Carolina, and at Antietam and Fredericksburg, in Virginia, where they confronted each other amid the fire of battle. Two years ago a delegation from the zonaves visited the Thitd Georgia confederates at their reunion at Fort Valley. Ga., and now the gallant ex-confederates are references to confederates are returning that visit. Among the entertainments provided was a banquet tour around the harbor of New York, drives around Central park and other points of in terest, visiting the Museum of Art, and, on invitation of Mr. Harrigan, to see "Reilly and

the 400.11 The committee on accommodations for the twenty-fifth national encampment of the Grand Army of the Republic, to be held in Detroit, Mich., August 3 to 8, has sent circulars to every part of the United States and Canada, giving information as to hotel and other accommodations to be had in that city during the encampment week. Hotel rates will be from \$2 to \$5 per day. Board and lodgings in private and boarding houses will be from \$1.50 to \$2.50 per day and lodgings from 50 cents to \$1 per night. They also inform the comrades that there will be plenty of restaurants and eating houses where were of restaurants and eating houses where meals and refreshments can be had at reasonable prices. Camping grounds will be furnished at the Detroit exposition buildings, and grounds, tents, cots and mattresses will be furnished to the comrades free of expense, but each comrade is expected to furnish his own blanket. Hotel accommodations are somewhat limited, and are chiefly reserved for headquarters of the various departments.

The Scotch-Irish Society. The third annual congress of the Scotch Irish society of America will be held in Louisville, Ky., from May 14 to 17 next. The congress at Pittsburg, Pa., last year was attended by President Harrison and his cabinet and hundreds of other distinguished men. At the gathering this year there will be assembled the best elements of the race from all parts of the United States and British America. Among the prominent men who will deliver addresses are Governor Buckner, Ron. W. C. P. Breckenridge, Judge William Lindsay, and the Hon. Henry Wat-

terson of Kentucky, Rev. Dr. John Hall of New York, Rev. Stewart Altchison of Tor-onto, Ont., Alexander Moutgomery of San Francisco, Hon. A. E. S'evenson of Illinois, and Rev. Dr. J. H. Bryson of Alaoama. The Scotch-Irish society of America, which has Robert Bonner of New York for its pres-ident, will have charge of the greening. ident, will have charge of the exercises. All Scotch-Irish people are cordially invited to be present. The objects of the society are historical, educational and social. It is strictly non-partisan and social. to rical, educational and social. It is strictly non-partisan and non-sectarian. The only requisites for membership are Scotch-Irish blood in any degree, good character, and nominal dues, for which members receive the valuable historical works issued by the so-

L O. O. F.

The Oddfellows of Wyoming celebrated the seventy-second anniversary of the order on Monday by a jubilee at Chevenne. Lodges were present from Rock Springs, Laramie, Boulder and Fort Collins, about five hundred being in line. The programme of exercises included a prize drill by cantons from Lara-

nie and Cheyenne. The members of the order in Furnas, Har-tan and Red Willow county celebrated the anniversary by assembling at Beaver City-last Monday, where an excellent programme was presented. Six lodges were represented and a mass public meeting was held in the court house. That edifice was crowded to sufficiation to listen to a number of address-es. The oration of the day was delivered by Mrs. Sadle Wright of this city a prominent es. The oration of the day was derived Mrs. Sadie Wright of this city, a prominent member of the Retekah degree lodge of Odd-

A Rebekah degree lodge, to be known as A Rebekah degree longe, to be known as Lashiey lodge No. 62, was instituted at Beaver City Monday night by J. Temple, special di trict deputy grand master, assisted by Mrs. Sadie Wright of Omaha. The lodge started out with forty charter members.

A Rebekah degree lodge to be known as Deborah lodge, No. 63, was organized at Norfolk last Saturday evening by Special Deputy G. A. Luikart of Tilden. The lodge had eleven charter members and for ty-nine applicants for initiation. cants for initiation.

K. of P. Alas, poor Yorick: The Chicago Pythian temple scheme has gone to the bourne from whence no tidings ever come and where whence no tidings ever come and where castle halls are all in air, says the Times of that city. The hoodoo seemed to be in it from the start. But if the proper men can be induced to take hold of the enterprise in the proper spirit, the plan is feasible and practicable, and could be made to yield a practicable, and could be made to yield a practicable. nandsome income under proper management, Lily division will give a bail at its castle Lify division will give a ball at its castle hall in South Omaha on May 8. All the members have received their uniforms and the division will give an exhibition drill. Omaha division No. 12 has accepted an invitation to attend and give an exhibition drill, Omaha division No. 12 will give a May party tomorrow night to which munbers of the order and their friends are invited.

A new lodge was instituted at Wahoo Tuesday evening by Deputy Grand Master Workman J. F. Hallowell of Grand Island, with twenty charter members. Ray of Hope lodge No. 1, Degree of Honor, the ladies' branch of the order at Hebron, conferred the degree upon Grand Master Workman Tate and wife. This is the only

odge of that degree in the state. I. O. R. M. Yah-nun-dah-sis tribe No. 2, held their first meeting in their new hall at 1216 Farnam street last week. The tribe is in prosperous condition and its meetings are well attended.

DeWitt's Little Early Risers; only pill to cure sick headache and regulate the bowels. Get prices on Halcyon Heights of Crary & Crary.

EDUCATIONAL.

The money gifts to Yale college last year exceeded \$1,150,000. Ex-Governor Evans, of Colorado, has preented \$100,000 to the university of Denver

for its further endowment. Prof. Henry C. Adams of the university of Michigan, has projected a summer school for idy of applied ethics to sociology. Fourteen young Turks have been sent to Germany by the Sultan to study agriculture. Upon their return they will conduct model agricultural establishments for the instruction of Turkish to the conduct model.

on of Turkish farmers. The statistics of education of the Baptist church in the United states show 147 higher institutions of learning (not including Chi-cago university) with 22,438 pupils, of whom 2,232 are preparing for the ministry.

The plan of dividing the federal agriculural school appropriation in Onio betwee the state university and Wilberforce univer sity, a colored school, is resented by Cinci-nati negroes. They say it will tend to re-vive color distinction in the Ohio laws, and have raised a fund of \$600 to fight the proposition in the courts, if it gets through the egislature.

The board of trustees of the Blackburn university at Carlinville, Iil., unanimously elected as president of that institution Rev. Dr. Richard Edwards, late state superinendent of public instruction. Dr. Edward has a state reputation, if not almost national He is a fine scholar and an instructor of large experience, full of energy and enthusi-astic in educational matters. It is under-stood Dr. Edwards will accept the position. Grant university is located in Chattanooga and at Athens, Tenn. The faculty of the Athens branch advised the members of the Gentlemen's literary society to select an orator to address them at commencement. As a result of the suggestion Hon, Henri Watterson was selected. On learning of the decision, Chancellor Spence, for the faculty, stated that Mr. Watterson could not be the

speaker. The students are excited and in digmant at the partisan feeling shown to the distinguished Kentucky journalist. Prof. E. G. Morris, the newly chosen in-structor in Latin at Yale college was grad-uated from that institution in 1874. After graduation Prof. Morris spent five years at Drury college as an instructor in Latin, and from there he was called to Williams college, where he remained up to the present time He has edited several plays of Plautus, and has written several books, including a recent philological work of considerable in portance, a freatice on the indirect question n early Latin, and an essay on the teaching of Latin in preparatory schools. Prof. Morris will enter upon his duties next Sep-

Ladies look to your complexion, if i rough and dry, wash your face with warm water before retiring, then apply 'Spanish Court Cream" and you will be istonished at the result, ask your drug-

See those beautiful lots in Haleyon Heights. Crary & Crary,

Repented His Smartness.

In a trial, not long ago, a very simple witness was in the box, and after going through his ordeal was ready to retire says the Youth's Companion. One question remained: "Now, Mr. —, has not an attempt been made to induce you to tell the court

a different story?" "A different story to what I have told, siry"

"Yes; is it not so?" "Yes, sir." "Upon your oath, I demand to know

who the persons are who have attempted "Well, sir, you've tried as hard as any of 'em," was the unexpected answer. It ended the examination.

Dr. Birney cures catarrh. Bee bld'g, See those beautiful lots in Haleyon Heights. Crary & Crary.

Dog Went with the Farm. The sale of the Mansion house, West Chester, Pa., came about in this wise: Ellis Wewlin, the proprietor, was visiting John Hannum on his farm, and noticing a pretty little black and tan spaniel, said: "John, I'd like to have that dog." "Whoever buys that dog must buy this pince." was Mr. Hannum's reply, "Weil," said Newlin, "I will give you my hotel for your farm and dog." "All right," was the reply, and the details followed and the trade made. The dog went went with the farm. went with the farm.

Get prices on Haleyon Heights of Crary & Crary. There is no more violent stimulant than unmixed party spirit.

HOW BABIES SUFFER

When their tender Skins are literally On Fire with Itching and Burning ECZEMAS and other Itching, Scaly, and Blotchy Skin and Scalp Diseases, none but mothers realize.

To know that a single application of the Cuticura Remedies will, in the great majority of cases, afford instant and complete relief, permit rest and sleep, and point to a permanent and economical (because so speedy) ure, and not to use them without a moment's lelay, is to be guilty of positive inhumanity. No greater legacy can be bestowed upon a child than a skin without blemish and a body nourished with pure blood.



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Remedies are the greatest skin cures, blood purifiers, and humor remedies. are absolutely pure, and may be used from infancy to age, from pimples to scrofula, with the most gratifying and unfailing success.

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March [189].

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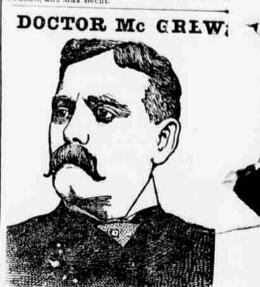
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