

THE REALM OF FASHION.

New York City.—Yoke waists are much liked, and have the merit of suiting many figures to a nicety. The very charming May Manton model is



WOMAN'S YOKE WAIST.

Illustrated is adapted alike to the entire gown and the odd waist, and to many of the season's materials—sateen, lawn, Swiss muslin, mull and the like, barege velveting, crepe de Chine, crepe meteor, India silk and smaller soft materials. The original is made of white batiste with cream tulle lace and beading, the latter with narrow black velvet ribbon, and is worn with a belt of wider velvet, held by a rose gold clasp and is unlined, but silk and wool materials require the fitted foundation. The lining closes at the centre front for its entire length. The waist proper also closes at the centre

A Comfortable Innovation.
The shirt waist gown is really a comfortable innovation. There is the shirt waist made as of yore and of genuine shirt waist design, but with it appears a simple little skirt of the same material, and there you have an entire gown that is pretty and serviceable and inexpensive.

Some Handsome Fans.
Flower fans are small, and when closed look like a spray of blossoms. Others are handsome little black gauze things, painted with pussies or other flowers, and as the gauze is thick the flowers look rich. Painted with butterflies and peacock's feathers they are particularly handsome.

Child's Dress.
Long waists with short skirts are much in vogue for little girls, and are very charming in their effect. The smart May Manton frock illustrated is designed after the newest ideas, and is peculiarly effective, as it includes a round yoke that suggests the gulf, while the dress is actually all in one. The original is made of fine muslin in combination with inserted tucking and needlework frills, and is worn with a sash of blue Liberty ribbon; but any white lawn or batiste, colored washable material or simple wool or silk fabric is entirely suitable.

The long waist is made over a body lining that fits smoothly, without being tight. On it is faced the round yoke, and over the lower part are arranged the full portions of the waist proper, and to the lower edge is attached the straight full skirt, which in this instance is made of flouncing. The sleeves are simply full, in gulf and, as shown, the lining is cut



RAGLAN COAT.

below the yoke, separately and invisibly, but the yoke is hooked over at the left shoulder seam and arm-eye. The sleeves are chic and novel. The lower portions, or deep cuffs fit snugly, while above them the tucked material falls free to form soft puffs.

To make this waist for a woman of medium size, three and a half yards of material twenty-one inches wide, three yards thirty-three inches wide, or one and three-quarter yards forty-four inches wide, will be required, with one and three-quarter yards of all-over lace, eight and a half yards of beading and ten yards of velvet ribbon to trim as illustrated.

Woman's Raglan Coat.

The comfortable loose-fitting coat that entirely covers the gown and protects it from dust is the most serviceable all-around garment for traveling, short jaunts or bad weather that any woman can possess. The stylish May Manton model illustrated in the large drawing is cut in the latest, most approved lines and can be made with or without the applied yoke as preferred. The original is made of light-weight covert cloth, but tweed, cheviot and all the light-weight cloaking materials are appropriate. The back is plain and smooth, hanging in straight lines from the shoulders to the floor. The fronts are loose, but shapely, and turn back to form revers. The sleeves are in raglan style, extending in a point to the neck, and are finished with turnover plain cuffs. Pockets are inserted in each front and are finished with stitched flaps.

To cut this raglan for a woman of medium size four and a half yards of material fifty inches wide will be required, with one-quarter yard of velvet.

away beneath the yoke, but this last is entirely optional. Over the seam which forms the skirt to the waist are arranged a succession of traps or bands beneath which the silk ribbon sash is passed, and which serve to keep it in place.

To cut this dress for a girl four years of age, three and a half yards of material twenty-one inches wide, two and three-quarter yards thirty-two inches wide, or two and a quarter yards forty-four inches wide, will be required, with one-quarter yard of all-over tucking for yoke; or one and three-eighth yards of plain material thirty-two inches wide, two and one-eighth yards of flouncing thirteen inches wide for skirt, one and a quarter



CHILD'S DRESS.

yards of embroidered frills, quarter yard of inserted tucking, and three-quarter yard of insertion, to make as illustrated.

Spending per year for three Fire Departments: New York City, \$2,500,000; Chicago, \$1,500,000; Boston, \$1,200,000.

"The Plagues of Agriculture" is the title of a work of which 100,000 copies are to be distributed free among Mexican farmers.

In next November's elections New York City will vote for sixty Assemblymen and an equal number of other elective officers.

A large number of quail from the United States arrived the other day in Sweden in good condition, and were sent to various game preserves.

CHARCOAL BY-PRODUCTS.

Processes for Saving Every Valuable Element in Wood.

The profits possible from the sale of by-products in charcoal-making are discussed in a recent report from Frank H. Mason, United States consul-general at Berlin. He says that, coincident with the development of coke manufacture in Germany by the use of retort ovens, which recover the ammonia, gas, tar and its valuable derivatives that are wasted by the primitive "beehive" oven process, has been the improvement in methods and apparatus for wood distillation, through which the production of charcoal has been raised from the arcaic, wasteful, earth-kiln process that recovered only charcoal and tar, to an intelligent, scientific system, by which every valuable element in the wood is saved and added to the wealth-producing power of the forests. So far has this been carried that special patented processes have been devised for using even sawdust and the rough outer bark of trees as material for the manufacture of charcoal and other products.

The apparatus for wood distillation includes cast and plate iron retorts of various types, as well as ovens of masonry, together with pipes, coils, tanks, and pans for condensation and rectification of the several distillates and utilization of the gases. The products of wood distillation form four primary groups, which, with their principal derivatives, may be synopsized as follows:

- (1) Uncondensed gases, which may be burned as fuel, or, after certain treatment, used for illuminating purposes.
- (2) Tar, from which are derived benzol, naphthalene, paraffine, rosin, and phenyl acid (creosote).
- (3) Pyrolyseneous acid (wood vinegar), from which are derived acetic acid, acetone, and methyl, or wood alcohol.
- (4) Charcoal.

The charcoal yield is about one-fourth of the entire weight of wood, the total distillates one-half, and the greater portion of these is hydrated wood vinegar.

The tar is mainly used for the production of creosote and applied to the antiseptic treatment of wood, such as posts, railway ties, paving blocks, etc., to protect the fibre against decay. Benzol and other derivatives serve for a vast range of interesting researches for new and valuable shades of colors.

By far the most important by-product is the pyrolyseneous acid, or wood vinegar. From this, one derivative, known in commerce as "essence of vinegar," can be made into table vinegar by dissolving in 20 times its volume of water. Of the direct derivatives from the acetic acid the most important is acetone, which is used as a solvent in aniline and several other branches of chemical manufacture, especially in the production of smokeless powder and other explosives. The next valuable derivative from acetic acid is wood spirit of methyl alcohol. It burns with a bluish flame of low illuminating power, dissolves resins, gums, and essential oils, and is extensively used in the manufacture of lac and varnishes and for the denaturation of spirits which are to be used for industrial purposes. Among the other useful products of wood distillation is oxalic acid, an important substance in dyeing and cloth printing, which was formerly prepared by oxidizing sugar, but is now much more cheaply obtained from sawdust.—New York Post.

Steam Power.

Perhaps the most important of all inventions has been the application of steam to moving machinery. Steam is the primary power which moves our engines, runs our presses, does our work—is our servant. While the invention of the modern steam engine itself dates back to 1784, when James Watt obtained his patent, yet the steam engine of today is of much more recent origin. The cut-off valve, which saves two-thirds of the steam, the various gauges, the numerous rotary engines—in fact, most of the principal improvements to the engine of James Watt—are of American origin.

The steam fire-engine, such as every city in America possesses, is American, having been invented in 1841 by a Mr. Hodges. The great locomotives which draw our trains up to 112 miles an hour are all built on American lines. The total steam horse-power of the world is estimated at about 65,000,000, of which the United States can lay just claim to almost one-third.—Collier's Weekly.

Roguish Ravens.

The raven of southern Europe is a bold fellow—not unlike his cousin, the crow. Some notices of the bird, given by an English traveler in Corsica, offer amusing proof of this. A youth whom I employed to carry my camera could never look on ravens with any equanimity, for he had suffered much from their thievish impudence when sent to the bush to gather firewood.

On one occasion he lost his dinner, a loaf of bread wrapped in a napkin, although he was working close to the spot where he had laid it, and had turned his back for only a minute. But the most unpardonable insult he had ever received happened on a day when he was out gathering wood. As he was stooping down to bind a bundle of fagots, a raven suddenly swooped from behind, lifted the cap from his head, and flew away with it to a lofty crag, from which she uttered croaks of triumph.

The cap was subsequently seen lined with straw and serving for a nest.—Youth's Companion.

KEYSTONE STATE NEWS CONDENSED

PENSIONS GRANTED

William Caldwell Celebrates His 100th Birthday—Steel Mills to Close—Twenty Ohio Dealers Sued.

Among the pensions granted during the past week were the following: Joseph Ohm, Neff Mills, \$9; William H. Stuffer, Emsworth, \$6; David C. Brown, Orwigburg, \$8; Jacob Houchet, Franklinton, \$8; Benjamin Motter, Lock Haven, \$8; Nathaniel Beery, Milesburg, \$10; John Singleton, Duncannon, \$12; William Pope, Huntingdon, \$10; Christopher C. Long, Vancleve, \$8; Andrew J. French, McVeytown, \$8; James M. Knox, Warren, \$10; Nathan L. Vandylke, Freeport, \$12; Elizabeth Brooks, Geneva, \$8; Mary E. Wright, Jacobs Creek, \$8; Laura Lough, Dunkard, \$8; Lenora B. Kirby, Pittsburg, \$8.

William Caldwell, a resident of Time, Greene county, celebrated his 100th birthday anniversary Wednesday. His mind is unimpaired and he enjoys good health. Mr. Caldwell was born in Mercer county, Pennsylvania, and is a descendant by generation. He has been married three times. Two children reside in Waynesburg, Mrs. Joseph Kella, who is 77 years of age, and John Caldwell, a veteran of the Civil War.

The May term of the Supreme court for the middle district of Pennsylvania opened Tuesday in Harrisburg with 19 cases for argument from Adams, Dauphin and Fulton counties. The proceedings to determine the legality of the nomination papers of Lewis Emory, Jr., who was defeated for congress in the Twenty-seventh district last November by Congressman Joseph C. Sibley, were not proceeded.

Mrs. Mary Flick, of Beallsville, has been sworn in as school director of Beallsville borough, Washington county. Mrs. Flick is probably the only woman school director in the state. She was elected on the Democratic ticket in February. Her running mate, Mrs. Sarah Walton, also on the Democratic ticket lost the race by one vote. Two directors were to be elected.

Agent James Terry, of the pure food commission, has made 20 informations against alleged dealers in oleomargarine in Pittsburg, Allegheny, McKeesport and Homestead. Returns have not been made in connection with the serving of all the warrants, and so the names are not yet available. The hearings, however, will take place before Alderman John Cahill next week.

George Katman, colored, aged 38 years, and six feet tall, was drowned in five feet of water at Conneaut lake Wednesday evening by upsetting of a boat. His wife witnessed the accident. His body was recovered in less than two hours. His home was in Washington, D. C., but he worked last in Pittsburg. He was the chef at the Troquois club house.

Jennie Miller, a demented woman, walked to Conneautville Sunday from her home at Ohioville, a distance of 15 miles. She was fatigued and a bed was provided for her in an outbuilding at the Victoria hotel. Early Tuesday morning she disappeared and soon afterward friends arrived in search of her, but no trace of the woman has been found.

John K. Skelley, a drygoods merchant of McKeesport, and Homer C. Stewart, cashier of the First National bank of that city, were in Carlisle Wednesday evening with J. W. Plunk relative to forming a drygoods trust. The concern will be chartered under the laws of Delaware as the Imperial Drygoods Company. Capital, \$1,000,000.

Thomas Cox, a veteran, 78 years of age, was killed by a shifting engine at Altoona Wednesday. Cox had lived the life of a hermit and when the authorities visited his shanty on the hillside, they found enough bedding to fit a man in and sufficient clothing to start a store. The coroner sold the goods to defray funeral expenses.

David A. Eberts, a carpenter in the employ of a brewing company, was frozen stiff while making repairs in the cold storage vault. He had been in the vault two hours and when taken out into the sunshine his lips turned blue and his muscles became so rigid that he was unable to move.

Application will be made at Harrisburg July 1 for a charter for the Conemaugh Steel Company, a corporation practically formed to absorb or merge the Cambria, Pennsylvania, Bethlehem, Phoenix, Alan Wood and several other steel and iron manufacturing companies.

The grand jury of Lawrence county returned a true bill Wednesday against Perry Bonds, charged with obstructing justice by writing anonymous letters calculated to mislead detectives in their search for the murder of City Treasurer Reivins.

The joint county bridge across the Conemaugh river at Leechburg has been sold to Philip Klingensmith. Work is to begin at once on the new steel structure, which is to be completed in six weeks.

President Cary, of the Meadville Theological school, resigned and will be succeeded by Dr. Edward Hale, at present occupying the chair of homiletics in Harvard divinity school.

James A. Searight has resigned as president of the Peoples bank of Uniontown, Pa.

Waynesburg, Pa., has voted to issue \$17,000 worth of bonds for sewerage purposes.

The committee of Conneautville citizens having in charge the reunion of the Tenth regiment has chosen July 31 as the date for the event.

After repeated attempts firebugs Wednesday succeeded in burning the Gullett block at Waterford. Loss, \$3,000.

The Peoples bank of Uniontown will be merged with a title and trust company recently organized, with a capital of \$125,000.

The rural free delivery of mail has been withdrawn from six miles of route 55 in Washington county until the roads are made passable.

Free Scholarships

WILL BE GIVEN AWAY BY THE STAR, OF REYNOLDSVILLE, PA.



CENTRAL STATE NORMAL SCHOOL, LOCK HAVEN, PA.

FIRST PRIZE—One full year at Lock Haven State Normal, including tuition, boarding, &c.
SECOND PRIZE—One term in King's School of Oratory, Pittsburg.
THIRD PRIZE—A \$35 course in the International Correspondence Schools, of Scranton, Pa.

The young lady or gentleman getting the highest number of votes will be given one full year at the Lock Haven State Normal School free, including tuition, light, heat, furnished room and boarding. This is one of the best Normal schools in the State.

The contestant receiving second highest number of votes will be given one term—12 weeks—at King's School of Oratory, Pittsburg, where oratory, elocution, dramatic culture, literature, Shakespeare study, music, drawing, diction

tion paid. Any one sending or bringing in a new yearly cash subscriber will be given a coupon equal to 60 votes.

Persons desiring to enter the contest should begin as early as possible. As soon as the names are sent or handed in to THE STAR office they will be published, but the number of votes will not be published until June 19th, when the vote each contestant has at that time will be published opposite name, and from that to close of contest the vote will be published as counted and returned by the judges from week to week.

On Monday of each week (after June 19th) the ballot box will be opened and the coupons counted by judges.



Prof. Byron W. King.

book-keeping are taught. King's School of Oratory has gained quite a reputation as a first class school.

The person receiving the third highest number of votes will be given a \$35.00 course in the International Correspondence Schools, of Scranton, Pa. A complete commercial course, stenographic course, book keeping, complete teachers' course, coal mining, mechanical drawing, telegraphy and 60 other courses are taught by this school. The winner of this prize can take up a \$35.00 course or can have the \$35.00 applied as part pay on any course the winner may select.

The person getting the second highest number of votes can have their choice of the scholarship in King's School of Oratory or the International Correspondence Schools.

PREMIUM COUPONS—Persons paying their back subscription, or in advance one year or more, will be given a premium coupon which will entitle them to 36 votes for each dollar of subscrip-

THE STAR.

Scholarship Coupon.

NAME.....

ADDRESS.....

Write in the above lines the name and address of the person for whom you wish to vote and send or take the coupons to the secretary, J. P. Haskins, the music dealer, where they will be placed in the ballot box. Contest closes at 12 M., August 8th, 1901. All business communications and inquiries should be mailed to THE STAR office. Receipts and coupons will be promptly mailed from THE STAR office to patrons.

RULES OF CONTEST.

Contestants must register their names at THE STAR office. All coupons must be sent to the secretary of the committee, J. P. Haskins. All money collected for new subscribers or on subscription due must be sent to this office weekly. Each contestant will be furnished with printed cards certifying that he or she is a contestant.

F. P. ALEXANDER,
THOS. F. ADAM,
L. J. MCENTIRE, } Com.

J. P. HASKINS, Secretary.

Discovery of Old Gunboats.

J. T. Sloan of Toledo, O., recently received a letter from a friend at Chatham, Ont., which said that owing to the ice jam in the St. Clair river, the Thames, a branch of the St. Clair, was about four feet lower than the average, and as a result three gunboats that apparently had been sunk in the war of 1812 were discovered. Many cannon balls and old muskets have been taken out and several cannon were also found. It is uncertain as yet whether the boats belonged to the Americans or the British. It is expected, however, as soon as the cannon are raised, some mark will be found which will show their identity.

Venezuela's Great Riches.

Venezuela is a country where nature makes millionaires; and some of the best of the money is now coming to citizens of this country who have been down there and used their eyes to good advantage. The greatest company of Venezuela has a capital of \$30,000,000, and its headquarters are in Minnesota. There are gold mines which have produced \$35,000,000 and paid \$23,000,000 to their shareholders. The richness of its forests is beyond calculation, and they will last for centuries. It has gold, silver, precious stones and a hundred things which mean wealth and which the world wants; and as a matter of fact its resources have scarcely been touched, so great are they.

To Grow Cotton in West Africa.

In order to encourage and stimulate the cotton industry a London firm is making arrangements with its New Orleans house to send an expedition of experts to West Africa, in order to teach the natives how to plant and grow cotton. The idea is to send two experts from the southern states to each of the principal West African colonies, viz., Lagos, Sierra Leone, Bathurst and Cape Coast Castle, and it is anticipated that this will be the means of creating a new and important industry in that part of the world.

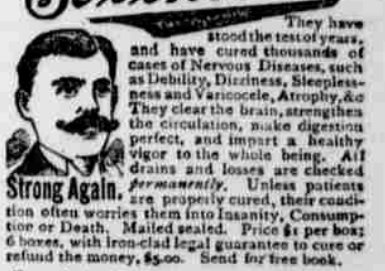
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