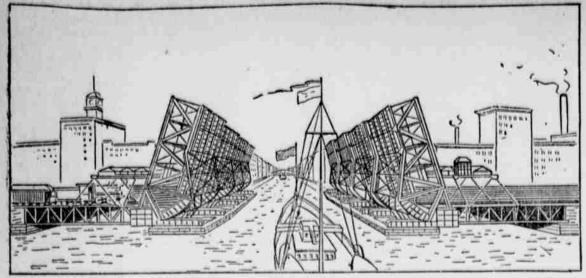
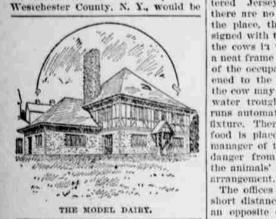
AN EIGHT-TRACK ROLLER-LIFT BRIDGE.



age canal near its junction with the crete and masonry. The bridge con-Chicago River. It provides a clear sists of four independent double track waterway for navigation of 120 feet Scherzer rolling-lift bridges, placed between the plers, at right angles to side by side, with a clearance of six de of the waterway provided for nav- The spans may be operated either Lation is placed a main supporting jointly or singly, as desired, by two pler. These plers are each forty-eight operators, one on each side of the cafeet wide. They rest on bed rock,

Manananananananananana A School of Farming It Will Rim to Roise the Standard O Agricultural Methoda, of Agricultural Methoda,

HEN the promotors of the School of Practical Agelculture and Horticulture looked about for a spot wherein to establish the institution various places were suggested, but it was finally agreed that Briarcliff Manor, one of the most beautiful parts of



the most suitable. It will be on a plateau overlooking the sixty-six acres which nave been acquired, and also much of the land and many of the buildings on the Briarcliff Farms, which will serve not only as a beautiful picture, but as an inspiration for the students.

The object of the school is "to train men and women in the methods of horticulture, florticulture, gardening, poultry raising and allied branches, that may become proficient in the manhald from the main line to the farm, and by means of these the shipment of farm products is facilitated. Near the railroad are the neat homes of some of the farm hands, and a short distance beyond these, toward the ridge, are several large granaries; further

The Marine Review prints a descrip- | plers are not solid; in each pler there | means of electrical devices, the spans tion of an eight-track roller-lift bridge to be erected over the Chicago drain-duce the amount of the required con-upon the track girders. The movable upon the track girders. The movable spans are counter weighted so as to be at rest at an angle of about forty degrees. opening of the spans, and also aids in e centre line of the canal. On each inches between the adjacent trusses. closing them. The bridge is to be opened or closed in thirty seconds, by means of four forty-horse-power elec trie motors on each side of the channel. The electric motors are controlled by a nal. When it is desired to open the forty-four feet below city datum. The bridge the centre pins are unlocked by controller in an operator's house.

on the ground floor.

white duck suits while on duty, and ner. There is in contemplation a sys those who are employed as milkers are tem of branch schools, where instruc not allowed to go near the barns. When the milk reaches the dairy it is tion may be carried to the farmers of the State. One day will be devoted to lectures on specific topics and one day |Innd Historical Society, Dr. William emptied into a sterilized copper tank

This greatly facilitates the



The offices of the farms are only a to practical work in the field, where short distance from the barn, and in an opposite direction, on one of the applications of the principles given during the first day will be made."broad roads which traverse the estate, New York Tribune. is the pretty boarding house which has been erected for the bachelor hands

LIKE A CORN POPPER. Automatic Collection Basket is the New est Thing For Church Use.

An automatic collection basket is one of the newest things for church use, and a trial was made of its merits upon a fashionable congregation at New York on a recent Sunday. Ac-cording to the New York Evening Journal the device is remindful of a corn popper. In fact, it might well be

called a "coin popper." It has a long handle, hollowed, a wire box or pocket, with a trap-door arrangement, marked "AA." which opens when the collector pulls on the ring marked "E," which connects with

Hand Brown read an interesting ar-ticle on "The Origin of Yankee Doe-die." The doctor's manuscript consisted of two letters relative to the subject in question, which were write ten to him by Mr. Albert Matthews, the eminent archaeologist, of Boston. The letters discussed all the theories which have been brought forward on the subject, treating it very fully in all the fifteen different solutions which are suggested, but falled to make any satisfactory answer to the question, which, as he said in the introduction, had never been solved. The great stumbling block on which the question generally brought up was the fact that the word "Yankee" had been

SURVEYING BY MACHINE.

The Orograph, Which Has Been Adopted by the Army. Mention was made some time ago of "Orograph," a new instrument which has been adopted in the United States Army, and 's intended to take the place of the engineers' chain and level in the important work of making

a profile of any road or stretch of country over which a surveying or rec-

of mechanism, and on the other a sort

of elstern. This elstern is twenty-four

inches in diameter and one-half inch

deep. It is placed vertically and con-

tains mercury. When in operation the

"Orograph" must be held upright and

As stated, the object of the machine s to draw upon paper an accurate pro-

file of the ground over which it is rolled, thus furnishing the army engl-

neers with all the results of a survey

excepting the courses and general topo

graphy. The principles upon which

the machine is constructed are those of

the perambulator, operating in con-

junction with a lever maintained con-

a horizontal axis.

not allowed to careen to either side.

annoitering party is passing.

applied primarily only to the New Englanders and did not originate in the South. Several of the solutions seemed plausible, as, for instance, the fact that the Algonquin Indians pronounced



THE EDICTS OF FASHION.

This machine is shown in the acson the gown of cloth or silken stuff companying cut from the Scientific or volle may have its bodice made American. It consists of two substantial carriage wheels, one following the with a bolero of lace, over which, to properly incorporate the Ince into the other in a single track, supporting between them, and on one side, a box



material. The lace bolero of our sketch is just such an instance, and might be made of guipure, with the strappings either of the material of skirt or of slik or of panne to the match that material.

Dainty Costumes For Young Folks. A dainty little red lawn dotted with

New York City (Special).-This sea-on the gown of cloth or silken stuff should be cut with a low, square neck that may be edged with lace or filled in entirely, as preferred. The sleeves should be loose puffs, reaching only to the elbow. A gown of this description

made of black India slik can be worn all summer without becoming shabby, and no woman who has ever had one will allow a summer to pass without providing It.

Gown For a Young Girl.

A pretty gown for a young girl is made of a rich red homespun. The skirt is made riain and stitched, and the short little spencer jacket shows the broad black satin folded belt, which is almost a bodice in itself, and a long black satin scarf is worn over a white blous

High Corselet Girdles.

High corselet girdles are worn with shirt waists, and dimity gowns as well, Formed of rows of lace, and embroid-ered insertion running around, they are especially pretty for the flowered muslins

A Touch of Fashion in Millinery.

summer shade hat has its own "inlet" of black velvet ribbon high up on the crown, as near as possible to the small flat top, and matching the velvet binding of the brim. The inlet gives point to the hat, and is quite broad to match the very broad binding of velvet on the brim. The monture is of heliotrope, shaded wondrously like the natural flower. It is arranged on the left side, reaching to the front. The flowers range from one black band at the brim to the "inlet" above.

Incrustations of Black Lace. The "dernier cri," as the French call it, is to have a garment decorated with incrustations of lace in wrich both black and white have part. One may beover the other, and usually the black is on top. Black face used over glis-





away, on the main road, is the model dairy building. Of the 875 head of cattle on the place, about 400 are registered Jerseys. No other breed is allowed in the herd.

There are several milking stations, and from these the milk is taken to the dairy as soon as the cans are filled. II known safeguards against impurity are employed, and no milker is allowed milk a cow until he has thoroughly

ment of farms, estates, greenhouses gardens, and may be able by thorh knowledge of the science of the to make the field, through intelliand skilful work, bring forth

bundantly of its great wealth of enuty and usefulness." The school will aim to raise the

standard of agricultural methods. Practical instruction will be given in the orchard, garden, greenhouse, poulbe overcome by the many difficulties beauty and usefulness."

Briarcliffe Farms occupy a tract ex- to give special instruction in the estending about four miles north and sential part, that of marketing them.



"We already have trees growing and and about three miles east and small fruits for the use of students. Landscape gardening is a feature, as fore he begins with the The attendants wear The railroad tracks have been and his bands, and this must be again before he begins with the



THE POULTRY HOUSE.

on the estate. On the ground floor of

this building are a reception room, a

large apartment in which the men

meet after work hours to read, play

games or lounge; a dining room and a

There are about 400 breeding pigs on

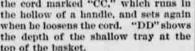
well appointed kitchen.

the place, including fine specimens of Berkshires, Yorkshires and Chester Whites,

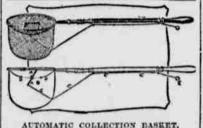
The poultry department has a large incubator building, with a capacity of 4500 eggs, and a perfectly equipped brooder house. There are about 5000 chickens on the place, and the house where the little ones are kept, which now contains about 1000 pretty chicks, is one of the sights of the place.

In speaking of the objects of the school which will be established near this model farm, George T. Powell, the director, said:

"Its purpose is to give a thorough training in the art of agriculture in all try yard and dairy, and students will of its details. It is proposed to protaught "how to overcome and not duce the finest quality in fruits, vegetables and flowers, and, in addition to the production of a high quality, also



The contribution when taken up, ac-



cording to the inventor of the popper remains on the trap door until the collector has a chance to inspect it before it is dropped into the basket.

Willie's Thirst For Knowledge.

It was on a steam railroad going from Washington to Philadelphia that overheard the following conversa tion between a little boy, just at the interesting age, anxious to know, and his aunt, whose patience was severely tested by inttle Willie's questions. The first to attract his attention was a buzzard flying high in the air. "Oh, auntie!" he exclaimed, "look a

that chicken way up there." "That's no chicken, Willie; that's a

buzzard." "But, auntle, I don't hear him buzz."

"Auntie, look at the man pumping the cow: is she punctured?"

"He is milking the cow, Willie. Do be still for a while."

After a short pause, he spled several pumpkins in a field and asked:

"Auntie, is a pumpkin a grown up orange?"

"Auntie, look at the moon. Where did all the stars come from?" "I don't know, Willie. Don't ask

so many questions." "Did the moon lay 'em, auntie?" And as darkness drew on little Wilbegan to nod and nuntle gave a

sigh of relief .- Philadelphia Inquirer. The Austrian crown jewels contain a spiendid emerald necklace and the largest single emerald in the world. defy the European powers,

a word "Engree" which they applied to the English .- Baltimore American.

The "Boxer Organization."

The "Boxers" are the scum of the Chinese population. They have no uniform organization, nor any official leaders. Formerly they carried broadswords, but now they have well managed modern weapons, undoubtedly supplied by the Imperial family.

Before drilling they throw themselves on the ground, work themselves into a frenzy, and then believe themselves invulnerable. The Empress Dowager has fostered an otherwise unimportant movement because of the wholesale desertions from her army under General Tung.

A BOXER, CAUGHT AND COLLARED. -Harper's Weekly.

The Empress Dowager, who becomes more intensely anti-foreign as time passes, has been greatly annoyed by the work of the Germans in Klao-Chau. She desires to use force to stop the reform movement, and is ready to

white is the fabric used for the charm- | toning white silk, such as a glace tafing frock on the left of the double-column illustration, from the Chicago Record. The gimp is of tucked muslin. the belt of white satin, and much lace

is used in effective decoration. The pretty Swiss gown on the central figure is black and white, with voke of white net and broad lace straps to outline yoke. It has shaped ruffle

and bands of lace above. The sash is of fine black net. The modish little tollet to the right is of red and white China silk, having

a yoke of fine needlework and deep bertha of lace. Belt and bands are of dark-red velvet, and the red straw bonnet is dressed with white satin ribbon and pompons of tulle.

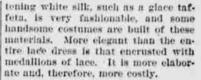
A New Development.

The so-called tucked flounce being introduced is by no means what is suggested by the name. Most people would fancy that the flounce is trimmed with one or more tucks arranged horizontally parallel with the hem, Instend of this, the new nucked skirt mensures considerably less, about half at the top from what it measures at the bottom hem. The tucks are run up and down for about half the depth of the ounce. They occur at the top and end half way down. The tucks are introduced as a means of disposing of the excess fullness of the flounce. so as to make it swell and spread. It is a graceful scheme. You sometimes ee a skirt tucked about the hips so that the fullness may be released below the waist and made a graceful The same idea has been skirt. adopted for the floance. You would not desire to have more than one frock made this way, because there are other modes in fashions, besides the tucked flounce.

Sammer Sliks.

The desirability of India and China silk for summer wear is not half un derstood. When one buys a good quality it wears excellently, and is cooler than any other fabric for either street or house gowns. Every woman who values comfort in summer should have

an empire gown of India silk to get into when she enters the house hot and tired from walk or ride. The prettlest mode of making is the tight front, or-made or not.



A French Tailor-Made Model.

This picture of an extremely smart tallor-made gown is presented to the fair readers to show its unusually stylish and effective treatment of machine stitching and applied bands of the same material. Another noticeable feature is the thoroughly French touch in its soft stock yoke and yest of silk muslin. in combination with its strictly tailormade features of bands and stitching. so different from our English models of the severely plain tailor-made. The



tout ensemble, however, is smart and novel in the extreme, whether strictly in accordance with our ideas of a tail-

