Woman's Physical Exercise Should Be Light

Interview With the Superintendent of Physical Training in New York City's Schools

per the supervisor of physical training in the public schools of New York City, when interviewed on the ect of physical culture for women, Yes, dumb-bells, to be sure, but not according to the old school. I would no nore put a girl though what has been commonly called physical training than I would give her planes to move. The physical culture of the strenuous school is

What did it do that it ought not to have done?"

"It over-strained fragile women, tiring them into prostration and illness. It racked their nerves with the effort to accomplish the assigned tank. When it did so harm of this kind, it built up lumps of muscle that have no place in the contour of the beautiful woman. Who wants to see humps and boulders standing out upon a woman's shoulders, arms and back?"

"And what did it fall to do?"

'It falled to give graceful curves of form; it failed to give flexibility; it failed to give nerve relaxation, properly distributed circulation, bodlly rest." Then what should the ideal modern

Rather say, what should it suppress? In the first place, let pully weights be done away with. I do not consider them harmful; used properly, they may be very beneficial. But they have been overused by the enterprising young woman of the now-lying fad-that fad which taught that the heavier the weight a woman could lift, the better off she was physically.

"Ladders, bars, weights, leather mounted horses-all these have been used mproperly in gymnasiums. It seems hard for girls to repress themselves, otherwise they might be given all the apparatus with impunity. But until the strenuous fad is past I should say: Furnish a gymnasium with rings for swinging; matches at a blackboard, stitches at a machine riceses for floor work; handball; medicine ball; folls and masks; wands; two-pound dumb-belis, and one-pound Indian clubs. Be sure to provide a piano; the outfit is then compute."

The means nothing more than work." This means nothing more than athletic woman. If she writes at a desk, stands at a blackboard, stitches at a machine, rides in her carriage, her muscles are not having full piay, her body is not free. There is a bodily constraint in any life without athletics or some form of bells hanging against the wall. The bells hanging against the wall. The bells hanging against the wall. The bells hanging against the wall though good as far as it goes, has its limitations it leaves certain muscles are not have work." This means nothing more than work." This means nothing more than work." This means nothing more than athletic woman. If she writes at a desk, stands at a blackboard, stitches at a machine, rides in her carriage, her muscles are not having full piay, her body is not free. There is a bodily constraint in any but more than athletic woman. If she writes at a desk, stands at a blackboard, stitches at a machine, rides in her carriage, her muscles are not have woman sproud the form of the for



cramped by the ordinary life of the non-athletic woman. If she writes at a desk, stands at a blackboard, stitches at a ma-in the dumb-bell work the reformation

movement in physical culture for women, and he went on to explain what that movement means. It is based on the principle of relaxation. It is designed to ease and limber muscles that are

Some Dainty.

heavier than a two-pound bell to his most advanced pupil. His point is not to work up to the power of handling a heavy weight; it is to use the bells as a means to the end, namely, stretching. The light weight of the bell helps the pupil to put more force into her motions than the weight if some through them sents.



EXTENSION EXERCISE WITH INDIAN CLUBS

kind are learned, the steps are intro- | out the entire body, distributing

duced

Here enters another reformation. The new school does not give arm-work without leg-work at the same time. Mr. Harper says:

"It used to be customary to let a pupil "Circulation is the watchword. On depends everything. All the system is stirred to activity. The skin is cleared

and brightened; that is the outward and visible sign.'

visible sign."
So here is a word to the wise who want to better their complexions.
As soon as the dancing steps and the dumb-bell motions are learned separately they are combined, and we have all sorts of pretty bends and twiris and stretches. There is far more grace in the new work than in the stiff, muscle-building old style.

Not but that the new builds muscle; but that is not the primary object, and the building is carried only to the point where it rounds out the form sufficiently for beauty—never beyond that.

Indian club exercises are the same as ever, with the addition of dancing steps. This work is based on the same principle, that the circulation of the blood must be evenly distributed throughout the body.

body.

All the exercises are given in quick time for the sake of this circulation. The plano means much in that it inspires grace. If you will experiment you will readily find that it is easier to fall into pretty poses and move in pretty curves in rhythm with music than at the instiga-tion of mere-counting. ion of mere counting.
It is claimed that the old school failed

to increase the flesh for the thin in that it worked their flesh off. It is an estab-lished fact that violent exercise causing profuse perspiration, does this. In the last century all women, fat and thin alike, were given the same kind of bard

lessons.

Abdominal work of all kinds is one of the specialties of the new gymnasium. Mr. Harper claims that dancing is one of the best exercises for the abdominal muscles. The jarring strengthens them. Certain twisting and bending movements effect the same result. That work is prominent also.

Mat work as you may or may not

Mat work, as you may or may not know, is done while lying on a mattress on the floor. The legs are stretched to their full extent, up, out, and so on; the knees are drawn up on the chest; all the

muscles in the region of hips and abdomen are forced into action.

"Handball is one of the best games a girl can play," says Mr. Harper. "It is light and quick. The blood is started into brisk circulation, but the physical

into brisk circulation, but the physical strain of the game is not intense.
"Dancing and rope-jumping jar the body in such a way that they amount to an abdominal massage. They are invaluable in strengthening the abdominal muscles which are so inclined to be weak. When women have strengthened themselves in this way there will be less need of stern coreets to "flatten the stomach"—to say nothing of less backache and better general health."

"Medicine ball" is the big, lightweight ball tossed from one to another. The tossing is required to be at short distance. This compels quicker action and

This compels quicker action and less muscular force, the end and aim of the new work. The rings are of benefit because they

The rings are of benefit because they give extension. A girl dangling from them by her hands cannot well avoid being stretched to the utmost. "Physical culture was a fad in the last century; today it is an accepted part of every education, based on scientific principles," says Mr. Harper.

KATHERINE MORTON.

The United States Buys Four-

Some Dainty Coiffures and Smart Blouses These Are Essential This Winter for the Feminine Theater Goer

ficient to have the hair clean, well a plain velvet skirt in the same color. In a fashion equally fastidious and ones are seen and they are exploited

brushed and arranged with a moderate degree of becomingness. The head which sets off a smart gown must match it in elaboration and show smooth and regular waves, puffs, coils and braids, all to be raised from the cranium in a way to suggest a dainty wig. To accomplish this, professional fingers are required, and now, as in the olden days, previous to all smart evening functions, the hair-dresser goes from door to door to coax rebellious looks into wonderful structures.

False pieces are required for the majority of heads, and such bits go under the general titles of the transformation, the Parisian pariting and the regent dip. The pieces are made up with indescribable lightness, and for the most part to order. Many of them most part to order. Many of them mingle with the natural hair in a most deceiving way. There is never a false or heavy look, for instead of the old matted, paipably unnatural "rata" all front padding is now made of long hair. These lightly-wired "pompadour are gathered to the food to the back, the ends of the emerge, at the back, the ends of the pompadour are gathered into the long up and down brail used, or the double beauty of a costume, shows the elegant and such contracts the pompadour are gathered into the long up and down brail used, or the double many than the pompadour are gathered into the long up and down brail used, or the double many than the pompadour are gathered into the long up and down brail used, or the double many than the pompadour are gathered into the long up and down brail used, or the double many than the pompadour are gathered into the long up and down brail used, or the double many than the pompadour are pompadour are gathered into the long up and down braid used, or the double figure "8" effect, which is of later in-

The low hair dressing, which displays a chignon-like arrangement of puffs and braids under a net is also much admired as well as a broad-looking simple braid. This last style looking simple braid. This last style of coiffure, upon youthful heads, is fre-quently ornamented with artificial flowers sprinkled with rhinestone dexdrops, which produce a most brilliant picture. An enormous number of tin-sel and flower ornaments are used for evening coffures with very dressy or sive as quite to take the breath away. But the ordinary high bodice which low toilettes, and some are so expen-But the ordinary high bodice which the theater or concert calls for, does not demand these spangled bows; iri-descent butterflies and diamondsprinkled wreaths, which, in Paris, deck elaborate puffings set like pincushions at the top of the head.

A smooth, wide waving of the front and side locks, with such combs and slides as appear fitting, seems to be the chief thing here for the ordinary evening head. Then it must not go evening head. Then it must not go to the coiffeur newly washed. A modicum of natural oil is necessary for good results, and this is besides sup-plemented by a dressing that keeps the hair from scattering, and supplies It with a brilliant burnish.

Many, indeed, are the valuable se-crets the colffeur might pour into the listening ear, but the final word on the hair subject has a literal golden weight. To be well colfied one must spend money, and much money, for human hair is growing dearer every day, and the false pieces are so delicately made that they are soon unfit for use. Professional care of the hair is also indispensable, for knorance on the subject of correct washes, dyes and methods of treatment will naturally result in poor results. As to dyes, the fashionable colorings still include many shades of auburn with a bluishblack for the sentimental thing. "But in Paris," writes a correspondent of authority, "a number of the best coif-feurs object to dyeing and only resort to it when absolutely necessary. The consequence is one encounters many women with gray or turning hair susuperbly dressed, who look years younger than if their heads were tineed younger than if their heads were thread a youthful hue. A certain colorless brown—mouse you might almost call it—which goes with a white-akinned, fove-eyed type of French woman is also enormously admired."

Thus wags the world on the subject of hair. A word on hodices may follow.

A group of pretty theater waists displayed with well-dressed heads shows each a charming relationship with the accompanying coiffure. A Louis jacket, set off by a low looping of braided hair decked with pink roses dew-dropped with stones, is of bine and white pompadour silk in a brocaded grape design. The absence of belting permits a very becoming plaiting at the siender waist line, which is beld down by gem ornaments. The sleeves are wide, three-quarter length and turned back with deep Louis cuffe over a fail of lace. The high stock, the round collar and the vest are of all-over lace in A group of pretty theater waists dis-

N THESE days of luxurious costum- the same pattern, with pipings of blue the subject was theater waists why in ing and bare heads for theater and velvet. This jacket represents, one troduce the skirts," and Madame the concert, the importance of the coif- of the novel theater garments of the Modiste will tell you that it is because fure cannot be set aside. It is not suf- senson and it is meant to be worn with the high world now looks a little cold-

smart combination of mauve and pale blue, as well as the puffings so universally employed. The gown is of blue

"But," the fair critic will say, "since

band about the bare throat and velvet bracelets are said to be worn in the even-ing by chic women in Paris. Magnifi-cent gem brooches fasten the bands, and slik and the trimmings of mauve chif-fon and velours mousseline combined, while the skirt front depicts the old large, flat rosette of yellowish white ince, robe treatment French makers delight look like a tiny cap set slightly sidewise.

Price of Diamonds Once More Raised

A TWIST AND AREND WITH THE DUMBELLS

ountry yearly are valued at \$24,000,000. In order to conceal his own identity. Beif the De Beers Company, which controls nine-tenths of the world's output of
and the stones recut and recognized. rough diamonds, continues to advance and the stones recut and remounted. On at Kimberley most of the officials are rough diamonds, continues to "advance prices as it has done diamonds will prove a far more profitable investment than the most gilt-edged securities of Wall street. In the last two years the trust has raised the price eight times, and each time 5 per cent. Desirable stones, therefore, are

Whoever has been planning to buy diamonds as Christmas presents must now go deeper into his pocket. Only a few days ago the diamond trust, as the De Beers Consolidated Mines, Limited, is generally known, has boosted prices 5 cents on the dollar. This will take out of American purses, according to trade experis, an extra revenue of more than \$1,000,000 a year.

The United States now buys annually enough diamonds to constitute four-fifths of the world's entire output. It is estimated that the diamonds found in one year are worth \$30,000,000. The diamonds both rough and cut, imported into this country yearly are valued at \$2,000,000. The diamonds if the country yearly are valued at \$2,000,000. The diamonds in one of the bord of the world's experise and the diamonds found in one year are worth \$30,000,000. The diamonds in one year are wor

underground road.

In their rough state the "subway jewels" would weigh only 130 pounds, or what might be carried off by one man. Accordingly, the diamond miner must have machinery which will handle vast quantities of earth and still perform the task with extreme minuteness.

task with extreme minuteness Old Devices Soon Discarded.

One evidence of the way the De Beer's Company appreciates machinery is to be seen in the great mountain of junk which towers up near its mines like a Golgotha. Here may be found machines for intri-Here may be found machines for intri-cate workmanship and of huge dimen-sions, many of them costing a good frac-tion of \$1,000,000, yet all abandoned to make way for superior devices. Here a whole plant, although hardly used, may have been dumped, because some new system had been discovered which made it antiquated. Whenever a mechanism is it antiquated. Whenever a mechanism is found which will handle a few more tons

found which will handle a few more tons of dirt it is adopted regardless of cost. Despite all the labor-saving machinery introduced the De Beers Company still employs 10,000 blacks, whom it guards almost as closely as keepers watch the inmates of a prison. The Kaffirs contract to work not for a day or a week, but for a term not less than three months, and for that leads of the contract to work the leads of the contract to work not for a day or a week, but for a term not less than three months, and for that leads of the contract of the c that length of time they are shut off from the rest of the world. Elight hours of the 24 they are at work

Elight hours of the 24 they are at work in the mines loading the tunnel care with the "blue stuff," or diamond-bearing clay, and the other 15 they are loafing about the "native compound," as it is called-which, in fact, is an outdoor jul, having walls around it to prevent any escape and a roof of wire neiting to make any attempt at throwing the diamonds outside to an accomplice futile. When a Kaffir is about to be discharged, he is put in an isolation ward and carefully examined and then watched for a day and a night.

Stealings Are Enormous.

Stealings Are Enormous.

Yet even in spite of the most rigid precautions it is estimated that more than fl.00,000 worth of diamonds are smuggled out each year. Most of them find their way to Natal, where they are sold by the leading merchants. No question is asked concerning their origin.

One way of smuggling diamonds which escaped the eyes of the De Beers detectives for a long time made veritable martyrs of its perpetrators. A Kaffir shortly after being admitted to the compound, were he lucky enough to find a rich enough prize, would cut a deep sit in the fleshy part of his leg, where it could not easily be detected, and hide the rough jewel in the very quick. He would then conceal himself in some unworked part of the mine until the sore healed.

It is now regarded as certain that the pipe-shaped pits from which the diamond-bearing clay is taken are the craters of extinct volcanoes, and that this clay, which, because of its color, is called "the blue dirt," has welled up from the bowels of the earth. The diamonds are bits of carbon that have crystallized under great heat and pressure.

