



MRS. LYDIA HART GREEN.

An Illinois Woman Who Paints Insects For Scientific Works.

The problems and difficulties confronting the scientific worker who would produce on paper or canvas the beauties and peculiarities of moths, butterflies, fishes and similar small creatures could only be successfully solved by an artist of no mean ability, as well as of an unusually exact and well regulated state of mind. There are scarcely half a dozen individuals in the world who dare or care to grapple with these problems, and one of the most strikingly successful and famous of these individuals is an Illinois woman who has scarcely hidden her work for some time.

Mrs. Lydia Hart Green, the woman mentioned, is a devoted nature student, a colorist of no mean ability, a scientist who revels in details and detailed expression, a tireless, indefatigable worker, who considers no care or pains



MRS. LYDIA HART GREEN.

too great to produce the desired result. She was born in Quincy, Ill., and received her education in the grammar and high schools of that vicinity. While still young her work attracted the attention of a scientific illustrator attached to the Illinois State university at Urbana, Ill. Because of the "delicate touch" for which Mrs. Green is now famous she was intrusted with the duty of assisting the official illustrator of the state laboratory, which finds a home in one of the university buildings. When a little later this man left Urbana, Mrs. Green, Miss Lydia Hart at that time, slipped into his place. Although her work has improved remarkably since that period, it was considered of sufficient and unique interest to form part of one of the state exhibits at the World's Fair.

The scientifically accurate portrayal of butterflies, moths and other insects presents difficulties that are perplexing, since the necessity of securing exact color renders a living specimen of concomitant necessity, and the living creature knows few moments of actual repose. But the delicate perceptions, equally delicate touch, perfect sense of color and unerring reproductive powers of the devoted worker enable her to reproduce in a water color painting all of the beauty and wonderful markings of the subject under consideration, and to do work with a brush and wet color which looks as though it were a photographic reproduction of those made by a lead pencil with fine point.

Some of her microscopical work is almost incredibly fine and delicate, every varying shade and color tone, every tiny line and every infinitesimal detail of an insect no larger than the head of a common pin being shown in exquisite perfection. The velvety texture and satiny sheen of a beetle's body or a butterfly's wing she reproduces exactly. Her colors and texture values are at once the admiration and the despair of her fellows, and she herself cannot always tell exactly how they are attained. While possessing all a scientist's depreciation of mere emotional feeling, she says that a peculiar "feeling" of evidently intuitional origin is her safest guide as to the manner in which a certain piece of work is progressing.—Chicago Tribune.

Do Not Excite the Baby.

There is no wonder if a young child is overexcited that the doctor is often summoned to prescribe for a crying child who turns night into day and makes life hideous to the family. By a little inquiry he oftentimes finds the poor baby is given its daily bath in public, other children standing around to make a noise to draw the baby's eyes and distract his attention, and often the nursing—instead of being a period of quiet retirement on the part of the mother, with concentration of thought toward the good of her child, is attended to in the midst of family cares or amid the distractions of company. Some years ago I was attending a

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CURE SICK HEADACHE.

meeting of the prominent women of the country in New York. We listened to some papers on education and on hygiene and the wise management of the home and the development of the child, and at the close of one of the sessions three or four of us were invited to come the next day to a beautiful home on Fifth avenue and "see the babies bathed." We did go, to our shame be it spoken, and a pair of twins were given their bath before half a dozen ladies, who stimulated the little victims of eight months to extra exertions in the tubs. I have not heard anything from those children since, but if they do not develop into neurotic creatures I miss my judgment.—Dr. Julia Holmes Smith in *Pilgrim*.

Kitchen Comfort.

I am not very strong, so when washing dishes, making bread and doing numerous other things I sit on a stool some four inches lower than the table. All housekeepers who are not strong should try this. They have no idea what a help it is and how much more they can do and with so much less fatigue. When working in the kitchen, I wear a large apron with a bib; also oversleeves made of duck or anything suitable and durable, made a little full, reaching above the elbow, with a band buttoning at the wrist. These may be fastened by means of a pin or a rubber band. They are easily and quickly put on and save one's sleeves so much.—Good Housekeeping.

Lingerie Trimming.

In trimming underwear try this method of treating the lace: Let it be an inexpensive novelty lace or an imitation and outline the figures with coarse wash silk. Go around them in a running stitch, and when you have finished note the elegant appearance the lace will have, says the Brooklyn Eagle.

It will look curiously like net lace with applique figures, and the beauty of it is that it will launder a thousand times as well after the treatment, so that the second estate of that lace will be better than the first.

Pretty Table Covers.

A pretty table cover is made of one inch insertion around plain muslin slips. Crochet edgings, especially of Irish make, are used as borders to muslin covers, embroidered in white or in natural colors. Darned net and guipure d'art are once more fashionable for the purpose, with the introduction of tinsel threads and daisy ribbon bows. The strongest slips are perhaps those consisting of a deep scroll border, fashioned with coarse half inch braid and connected with crochet work instead of lace stitches.

Earthenware Jars.

There is one thing about the American kitchen that might be remedied—too many tin receptacles are used. An Armenian kitchen is supplied with innumerable earthen jars, some with handles and some without. There are

jars with broad, round bases and jars built on the slender order, but they all have covers and are kept sweet and clean. It is almost impossible to avoid a musty odor in tin, but earthenware can be made wholesome and dry, and it does not cost such a lot of money either.

Cushions and Color.

When care is used in grouping cushions on a couch so that the color scheme is harmonious, the result is ample compensation for the extra trouble. Thus green, yellow and golden brown make a good blending for a couch in a room furnished in weathered oak. Where oriental rugs showing a touch of blue, as many of them do, are used for the floor covering or the wall covering or draperies are of bluish tint, a cushion or two of blue combine well with pillows or brown and yellow.

Feminine Courage.

Women are more courageous than men, and for a very good reason—namely, that they have to suffer pain so much more frequently. The majority of women suffer physically so much more than the majority of men that they learn to endure pain with comparative fortitude. The mere fact that men suffer so little causes them to dread the very idea of pain and when it comes to bear it badly.—Fall Mail Gazette.

Smoothing Irons.

Where there are many starched clothes to be done up weekly it is a good plan to wash the irons once a week, but where plain clothes and only a few starched are to be done once a month is often enough. Take some clean ammonia soap and with a cloth wash the irons well afterward wiping with a dry cloth; then put them on the back part of the stove to dry thoroughly.

Meats.

When ordering meats, remember that beef when boiled loses one pound of weight in every four and when roasted eighteen ounces. Mutton loses even more than beef. This should be thought of where much meat is used.

When a candle-wax, sperm or paraffin—is too large to put in the candlestick, dip the end in hot water for a few moments to melt down to the required size.

Clover for pillows needs to be well dried, and only the blossoms used, and should be packed first in slips of stout muslin.

Almost a quarter of the women of Germany earn their living by their own labor, mostly in farm work.

If you can get some cedar dust, sprinkle it on your stove while cooking vegetables that have a strong odor.

GROWTH OF A CITY.

Now the Capital of the Province Has Become a City of Homes.

It is a significant fact that the building permits issued for the City of Toronto during the past six months of the year represent an increase of more than fifty per cent. over the permits for the corresponding period of last year. The figures for 1901 were \$1,154,265, while those for 1902 are \$1,901,144. Here we have an increase of \$746,879, of which \$225,000 is attributed to the new hotel, and \$133,500 to the industrial buildings. Most of the additions to the city are in the residential quarters. We have been making Toronto more than ever a city of homes, says *The Toronto Mail*, and homes that are in every respect an adornment to the city. That there has been a brisk demand for these new residences is the best possible evidence of the solid growth of Toronto. Population has come in of late years so rapidly that the house accommodation of the city has been greatly overtaxed. It was stated recently that there were some fifteen hundred families in Toronto who had stored their furniture and were boarding because they could not secure suitable dwellings. This is merely an estimate, but it has behind it the fact that vacant houses of a desirable character are no longer allowed to wait for tenants. They are rented and occupied so soon as a tenant moves out. This has not long been the case. A few years ago Toronto was noted for its untenanted houses. We had overbuilt and for the time the tide was against us. Not only have those dwellings come into brisk demand, but thousands of structures since erected are now occupied. More than ever before the people of Toronto are becoming their own landlords. The inducements to buy are many, and the difficulty of securing a good house at a rental has increased. During the present season the added cost of material, and the unsettled state of the labor market have militated against extensive operations, but still we are making a remarkable advance. It is not in the nature of a boom, for it is very much within the actual requirements of the city. Toronto has grown and is growing rapidly in population and in wealth. It has large and flourishing industries and great concentrations of trade, which in their own lines serve the whole Dominion. Every increase in the national prosperity makes additional demands upon this city. There is, therefore, abundant reason for recognizing that the growth of this city is of natural and permanent character. We are simply keeping abreast of the times, and those who do that are bound to flourish.

The man who is on the level ought to get along smoothly. It is easy enough to be a philosopher—provided you are rich. Some people are contented with their lot when it is only a little. Money and trouble are both a bother if you have to borrow them.

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