

# NEW ACHIEVEMENTS OF GREAT SURGEONS

## Operations That Almost Seem Incredible Now Successfully Performed as a Matter of Course.

### Most Recent Is the Work of Dr. Karl Garre, in Which Devoted Mother Gave Part of Her Own Throat to Convert Her Idiot Daughter into a Bright Little Girl.

New York.—Medical men here and abroad are awaiting with considerable interest a report from Berlin giving complete details of a most daring and unusual surgical operation performed there a few weeks ago.

An idiot child, the six-year-old daughter of Mrs. Louis Wolf, a resident of Berlin, has been converted into an intelligent being by the process of grafting part of the mother's thyroid gland upon the child's pancreas. Reduced to plainer language, this means that part of the mother's throat has been transferred by the grafting process to a gland, or tissue, lying directly at the back of the stomach. By this operation the dull, inactive brain of little Lena Wolf has been awakened so that it is now per-



THYROID GLAND PART OF WHICH WAS GRAFTED TO THE CHILD'S PANCREAS TO CURE IDIOTCY.

An Idiot From Birth.

forming the duties for which it was intended.

This, in the history of medical science, is without a parallel, not only because such an operation was never attempted before, but also because of its seeming vagueness. The idea of grafting part of the throat of a mother to the pancreas gland of her child with the expectation of converting the child from idiotcy to a normal, mental condition would seem at first glance unworthy of serious consideration. But Dr. Karl Garre, professor of surgery in the medical faculty of Breslau university, to whom the operation is credited, did exactly what has been described above, and recent despatches from Berlin declare that the operation has been pronounced a complete success.

Professor Garre is an eminent German surgeon whose success in the transplanting of organs from one animal to another and even from the lower animals to human beings, has attracted the attention and admiration of surgical men all over the world. When his report of how he changed Lena Wolf from an idiot into a bright and intelligent little girl is completed it will form a valuable addition to the list of modern miracles of surgery.

From the details of the case already received from Germany it appears that Lena Wolf was born an idiot six years ago, says the New York World. Reason never dawned for her as in other babies. She had come into the world without one apparent spark of intelligence and seemed doomed to pass her whole life without knowing the joys and sorrows of living.

Her case was called to the attention of Professor Garre, who was interested from the very beginning, because in it he saw a possibility of being able to prove the correctness of a theory on which he had been at work. This involved the probable action or influence that certain substances or glands of the human body have upon the blood.

It is the blood, as everybody knows, that feeds the brain, keeping it active and clear and in good working order. If the blood is thin or sluggish the brain is first to record that fact. The great German surgeon knew that the reason Lena Wolf's brain was dull and inactive was because the blood was not feeding it as it should.

One of the principal duties of the pancreas, situated just behind the stomach, is to superintend the regular feeding of the brain with good blood.

PHOTOGRAPHY CAN DO MUCH.

Tricks at Expert's Hand Make it a Fine Art.

It is the fashion among real artists, those who make pictures with paint, pen or pencil, to scoff at the results achieved by photography. They are unwilling to admit that a photograph is anything but mechanical and inartistic in its expression of things, but all the same the effects that can be secured by the average photographer who knows his business are almost awe-inspiring. Disregarding all landscapes and pictures of "still life," just consider what the photographers can accomplish, and have been accomplishing, in the way of portrait work. Not merely in the way of removing warts and wrinkles and performing other dermatological operations calculated to increase beauty, but in giving the convincing semblance of intellect and spiritual grace to his subject the capable camera man is a wizard. The gray-faced woman with pale eyes no longer becomes a vision of beauty in her photograph, but there is often the

according to the theory of the German surgeon. In the case of Lena Wolf he believed the pancreas was minus one very important digestive essential, without which it could not do its work properly. That very important essential had to be supplied by grafting a portion of a ductless gland from another living person.

The child's mother readily offered herself as a sacrifice. She was perfectly willing to undergo the necessarily painful and tedious operation of having part of her throat grafted on the body of her little daughter if only it would give Lena her reason.

The operation took place in one of the large hospitals in Berlin, and by the grafting process one end of the mother's thyroid gland was released and stretched over to the exposed pancreas of her idiot daughter.

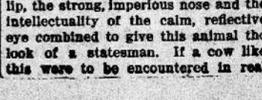
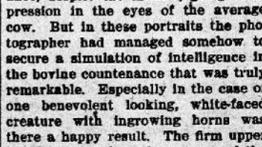
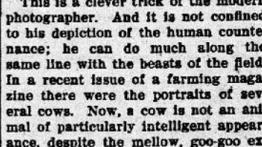
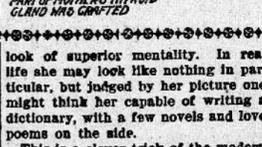
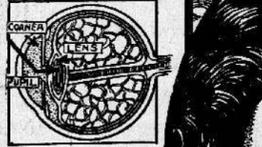
For days neither mother nor child was permitted to move. To insure a successful grafting operation they had been tightly bound together, the child's body against her mother's neck, and there they remained until the severed end of the thyroid gland had knit firmly to the pancreas, forming a living, pulsating link between mother and daughter. Then the link was cut, leaving a portion of the thyroid gland grafted successfully to the child's pancreas. It is believed now that both mother and child will recover. The complete success of the operation, cannot, however, be announced yet, as too short a time has elapsed since the operation was performed.

First Dawn of Reason.

But it is known that the dawn of reason came to little Lena Wolf almost immediately after the thyroid gland began to knit. For the very first time the idiotic stare gave place to a look of intelligence. She may grow up to be a very bright young woman.

Dr. Swale Vincent, professor of physiology in the University of Manitoba, at Winnipeg, Canada, has prepared an extremely interesting article on the duties of the thyroid gland, the pancreas and other ductless glands, which appeared in a recent issue of the London Lancet.

"It is believed," he says, "that these ductless glands manufacture and pour directly or indirectly into the blood stream some substance or substances



which are of service to the economy, either by supplying a need or by destroying other substances which are needless or positively harmful. This last function is usually prescribed to the thyroid and parathyroid glands.

"It is obvious that, in the broadest sense of the expression, all tissues and organs of the body may be said to have an internal secretion—i. e., the blood which leaves by their veins contains different chemical substances from that which enters by their arteries.

"The most usually quoted example, however, of a gland which has both an external and an internal secretion is the pancreas. A relation between diseases of the pancreas and diabetes has long been suspected, but Minkowski and Mehring first definitely showed that complete removal of the pancreas in the dog, cat and pig is followed by diabetes, having the usual symptoms of that disease in man. That this is caused by the absence of an internal secretion is proved by the fact that it does not occur if the gland is left in situ and the duct tied, nor does it occur if a portion of the pancreas is grafted in some situation remote from its normal position. How the internal secretion of the pancreas normally prevents glycosuria is not clear. We can only say that it exerts some influence upon the carbohydrate metabolism, either by favoring the formation of glycogen in the liver from the dextrose taken to it by the portal vein or by furthering the oxidation of dextrose in the tissues generally."

Sight Restored to Child.

Equally remarkable and interesting is the operation by which sight has been restored to the blind eyes of little Margaret Huber, aged ten years, of No. 524 East Eighty-fourth street, New York city. She has become the subject of widespread interest among ophthalmologists by reason of her "pin-hole camera" eyes. Eye surgeons who have followed the case at the German Poliklinik declare it to be, so far as their observations have gone, without an exact parallel.

Nobody knows exactly how Margaret became blind. The liquid that constituted the lens of the eyes became atrophied and was entirely absorbed, leaving the lens a thick opaque, fibrous cap, which shut out every glimmer of light. This was three years ago, when the little girl was only seven.

Several operations were tried, but with no good results. The membranes of the eyes were punctured, but they immediately closed again over the openings like sheet rubber when a hole is made in it.

Dr. John A. Price, chief surgeon of the ophthalmic department of the German Poliklinik, took charge of the case, performing three operations in February, March and April, 1894. The third one restored the sight to the left eye. The right eye remained stone blind until two weeks ago, when he performed a most unusual and successful operation upon it.

He first made a peculiarly shaped pair of scissors, the under blade pointed and the upper blade blunt. This instrument he inserted through

piecemeal. Raymond Moore, aged 20, of Baltimore, lost the sixth and seventh ribs on the right side. Dr. Hamilton Brown replaced them with artificial ribs of hard rubber tubing.

By an operation at Fordham Hospital, Joseph Fletcher was supplied with a silver wind pipe to replace the original, which had been damaged beyond repair by a hard fall.

Restored to Rationality.

At Stamford, Conn., a unique operation on the skull of the two-year-old son of Michael Gunther has given the boy rationality. The child was born with normal mental and physical endowments and began to show, when a year old, signs of general deficiency in all his senses. It was finally determined by the surgeons interested in the case to explore the child's skull. Dr. J. T. Higgins, of New York, assisted by Drs. Whitehorn and Hogan, of New York, and Howell and Loeb, of Stamford, performed the operation at Stamford Hospital a few months ago. They removed a strip of bone from the skull three inches long and one-half inch wide, to give the brain a chance to grow. Immediately on recovering from the anaesthesia, a look of normal intelligence showed in the child's eyes, proving the theory of the doctors that the skull had been pressing unduly on the brain. With the pressure relieved, the brain was free to exert itself. The doctors believe the boy will soon be able to talk and act as rationally as the brightest of his little playmates.

Dr. Guthrie and Dr. Carrell, of the University of Chicago, have been making a series of remarkable experiments in surgery. Hearts of dogs have been successfully moved up into the animals' necks and there performed their functions. The circulation of blood in canines has been reversed without causing the animals any apparent inconvenience.

"What we have learned," said Dr. Carrell a short time ago, "gives us hope that some day we may replace wounded and worn-out hearts in human beings with the healthy, youthful and strong hearts of living monkeys."

Sewing Up Stabbed Heart.

A recent dispatch from Milan described a wonderful surgical operation there by Dr. Meda. A workman had been murderously assaulted, a knife in the hand of an assassin actually piercing his heart. He was attended by surgeons who cut a way through his breast to reach the wounded heart. Three stitches were required to close the wound, which had almost entirely healed five days after the operation.

saloon smoking a huge pipe and drinking one beer after another, and to hear him talk about what he and his gang were going to do to the kings and princes and potentates of the world was enough to curdle your blood.

"One afternoon as I was hurrying home from school I saw one one being carried down the street on a stretcher.

"'Who're you got there, Peter?' I said to one of the stretcher bearers.

"'Bismarck the anarchist,' Peter replied.

"'What's the matter with him?' I asked.

"'He was making a speech on the corner,' said Peter, 'and just as he was offering to lead the mob all the streets ran with blood to his waist a little dog got away from a lady and bit him on the ankle and the poor fellow fainted dead away.'"

Argentina No Home for Boers.

Many of the Boers who migrated to Argentina have returned to South Africa. Most of those still in Argentina are saving up their money for the purchase of homeward tickets.

An incision in the cornea made at the top. Pushing the points down through the pupil, with the sharp blade he punctured the opaque membrane of the lens capsule and cut it squarely in two. The task of the surgeon was to cut so delicately and precisely as to divide the obstruction and let the light into the eye again.

The operation was entirely successful. The dead lens matter remains in the eye and on either side of the pupil a speck of the opaque substance can yet be seen. This in time may be absorbed.

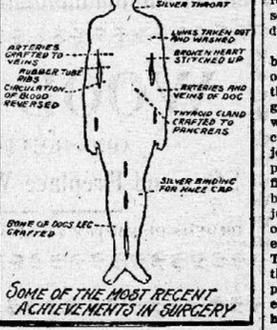
Some Surgical Marvels.

Philadelphia and Toledo, Ohio, have recently contributed to the list of marvels of surgery through operations on the brains of incorrigible and mentally defective boys. A still more recent case is that of Carl Fredericks, aged nine years, of No. 200 Clinton street, Hoboken. He is under observation at the Rahway Reformatory preparatory to the practical reconstruction of his brain.

The doctors say the boy's brain is so peculiarly constructed that it prevents him from being good for more than an hour at a time. The head is of abnormal shape, the skull coming to a point.

Tests made a few days ago showed that the boy had no sense of right or wrong. This is attributed to an abnormal brain growth. As a result of the operation, which includes the cutting out of certain parts of the brain, it is expected to relieve the boy of his wicked tendencies and transform him into a model youth.

Scientific surgery is gradually solving the problem of making us over



SOME OF THE MOST RECENT ACHIEVEMENTS IN SURGERY

## THE AMERICAN HOME

### W. A. RADFORD EDITOR

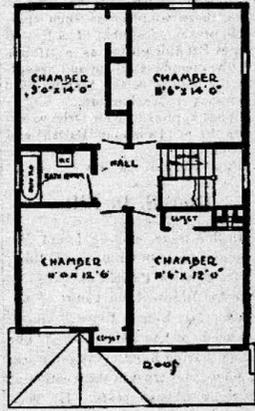
Mr. William A. Radford will answer questions and give advice FREE OF COST on all subjects pertaining to the subject of building for the readers of this paper. On account of his wide experience as Editor, Author and Manufacturer, he is, without doubt, the highest authority on all these subjects. Address all inquiries to William A. Radford, No. 1st Fifth Ave., Chicago, Ill., and only enclose two-cent stamp for reply.

It sometimes is desirable to get all the house possible for the money expended. Where the family is quite large and the income limited, it is desirable to have at least four bedrooms, and to balance up the house properly, this requires four living rooms, thus making an eight-room house. This design is calculated to meet just such conditions. The house might be considered severely plain outside, but for the manner in which the front gable is designed and finished.

Straight roofs with gable ends are the cheapest roofs made and the most satisfactory for many reasons, one of which is ventilation. With a small window in each end of the roof it is easy to change the air continually, and a cottage roof, which usually slopes to a peak from four different directions, forms a pocket which holds a roof full of stagnant hot air unless some kind of ventilator is provided to draw it off.

Roof gables have probably given builders more anxiety than any other one feature. No one wants a house that looks like a barn placed with the gable end to the road, but that is what this house would look like except for the inexpensive two-foot projection which makes the double gable possible and gives an opportunity to finish this part of the job with a combination three section window that just exactly fits its setting. A study of the front of this house is interesting even to the casual observer. There is something about the porch that seems to recommend it for the position it occupies. It is neither elaborate nor expensive, but it fits the house. The whole front offers an il-

lustration of what may be done at a slight expense to embellish what would otherwise present an extremely uninviting appearance from the road. The house is 24 feet wide, which is too much expense for a plain gable cut for his own interest, it will be necessary to go outside of himself occasionally while his building operations are going on. There are a great many honest contractors who really want to do exactly what the plans and specifications call for, but contractors cannot watch all the little details as the building progresses. Besides this, they are but human and are anxious to see the work advance as rapidly as possible. If they get the idea that it is satisfactory to the owner they are not likely to spend their time or money to improve on what they are doing. It is a case of reading instructions leniently, but I am sorry to say that there are other contractors who make money by first undervaluing their competitors, then by systematically skimming the job.

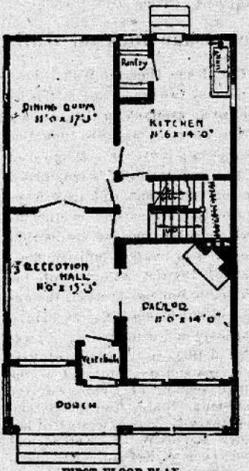


SECOND FLOOR PLAN

The size of this house is 24 by 36 feet, exclusive of the porch, and it should be built under ordinary circumstances for about \$1,800, without furnace or mantel. The length of the house is sufficient to give an extra long dining-room and a good kitchen, two features that modern architects are not appreciating, judging by the number of miserable little kitchens seen in some of the new houses.



The porch floor is made of one and



FIRST FLOOR PLAN

one-eighth inch white pine flooring, three inches wide, tongued and grooved. The edges are fresh painted, while the strips are being laid with paint enough to ooze out when the flooring is driven up. This makes a durable floor that is easily kept clean. Painting the joints of the floor in this way is a job that most carpenters object to. For this reason it is a good plan for the owner to hold down a trestle just beyond spatter distance while the most important part of this work is being done. You cannot blame the carpenter for not wanting to put in paint enough to shoot him in the face when he hits the driver behind one of these three-inch strips with the back of his adze.

There are some other places about the building where the eye of the master may be worth dollars to him when

## THEY CURE RHEUMATISM

A Particularly Painful Form of This Disease Yields to Dr. Williams' Pink Pills.

Of the many forms which rheumatism takes, that which is popularly known as sciatic rheumatism probably tortures its victims more than any other. That Dr. Williams' Pink Pills have cured this stubborn as well as painful trouble is a fact proven by the following statement, and no sufferer who reads this can afford to let prejudice stand in the way of trying these blood-making pills.

Rheumatism is now generally recognized as a disease of the blood. Dr. Williams' Pink Pills make actually make pure blood. When the blood in pure there can be no rheumatism. Mrs. Thomas Brosehan, of 54 Mill street, Watertown, N. Y., says:

"My trouble began with a severe cold which I took about a week before Christmas in 1904. I began to have rheumatic pains in my back and limbs and after a time I couldn't straighten up. I suffered the most awful pain for months and much of the time was unable to leave the house and I had to take hold of a chair in order to walk and sometimes I could not stand up at all. "The disease was pronounced sciatic rheumatism and, although I had a good physician and took his medicine faithfully, I did not get any better. After some six weeks of this terrible pain and suffering I tried Dr. Williams' Pink Pills and that is the medicine that cured me. "After a few boxes the pain was less intense and I could see decided improvement. I continued to take the pills until I was entirely cured and I have never had any return of the trouble. "All druggists sell Dr. Williams' Pink Pills, or the remedy will be mailed postpaid, on receipt of price, 50 cents per box, six boxes for \$2.50, by Dr. Williams Medicine Co., Schenectady, N. Y.

It isn't very much consolation to the homely girl to be told that beauty is only skin deep.

Carpet rugs dyed with PUTNAM FADELESS DYES will remain bright and beautiful. No trouble to use.

Some men take chances on boarding house haah in preference to matrimony.

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Every dose makes you feel better. Laxos keep your whole inside right. Not one gripe in a full bottle. Sold on the money back plan everywhere. Price 50 cents.

Important News Chronical.

An English paper gravely announces that "Sir Keri Singh, the maharajah of Sroth, lost his last jaw tooth on July 2 and had a diamond one put in its place."

WANTED—For U. S. Army, able-bodied, unmarried men, between ages of 21 and 35, citizens of United States, of good character and temperate habits, who can speak, read and write English; for information apply to recruiting officer, 128 N. Court, Memphis, Tenn.; 123 Main, Jonesboro, Ark.; Corinth, Miss.; Hickman, Ky.

Woman Novelist Widely Read.

Miss Bradton, the popular novelist, who celebrated her seventy-second birthday by issuing her seventy-second book, received \$12.50 for her best known work, "Last Audley's Secret." Since then royalties have been paid to her on over a million copies. Miss Bradton reads French, German, Spanish and Italian with equal facility.

Uncanny Chinese Legend.

There are two celebrated towers of the imperial city, the Bell tower and the Drum tower. As to the casting of the bell in the former there is this legend: There had been two unsuccessful attempts and the life of the founder was threatened in case of a third failure. His daughter discovered by occult means that nothing but the blood of a virgin mingled with the molten metal would insure success. So at the next casting she sacrificed her life by throwing herself into the molten metal, leaving only one shoe behind. The casting was perfect. But when the bell was first struck "all were horror-stricken as, after the heavy boom of the bell, came a low wail, as of a girl in agony, distinctly saying the word 'heah,' shoe. And to this day people who hear it, say, 'There poor Ko-ai's voice calling out for her shoe.'"—Shanghai Times.

**DODD'S KIDNEY PILLS**

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