

TO LOCATE BULLETS.

The Greatest Surgical Discovery of the Century.

The Human Body Used as a Conductor by an Electric Probe Which Works on Principles Similar to Those of the Telephone.

The development of electrical science in recent years has done much to revolutionize medical and surgical methods. It will therefore not surprise many people to learn that it has stepped in to supplant the Nelaton probe. But it will surprise even electrical men to learn of the absolute uniqueness of the method by which this has been accomplished.

The Nelaton probe was named after the great French surgeon who invented it. He was called in to treat Garibaldi, who had a bullet in his body. Nelaton was unable to locate it and the Italian patriot's life was despaired of. Nelaton sat up one whole night thinking.

It finally occurred to him to use an ordinary probe with a smooth, round piece of porcelain on the end. By inserting it in the wound he hoped to get the lead markings on the white piece of porcelain, showing where the bullet lay.

To think of a probe, and on the next day the experiment was tried. Scarcely enough when the probe was inserted and removed lead markings were found on the bulb of the probe. The bullet was located and Garibaldi was saved.

The new probe is an electrical affair. It consists of an ordinary telephone receiver, an ordinary metal probe

and an extra bulb of the same metal that the probe is made of. Inasmuch as there is no battery connected with the apparatus, it may puzzle even an electrician to discover wherein the electrical element lies. Just here is where the instrument assumes its truly scientific aspect, for its invention proves that there is a definite quantity of electricity in the body which may be utilized for practical purposes. In short the human body is the battery which supplies the current.

The discovery by Dr. John H. Gardner, of New York, was almost as dramatic as that of the Nelaton probe. Dr. Gardner had tried for years to devise some surer means of locating bullets than was possible with the ordinary probe. Some years ago some body had invented an electric bullet probe which depended on a battery cell to supply the current. But the trouble was that as soon as the end of the probe was inserted in the flesh an electric circuit would be established through the flesh itself, and the electric bell would ring.

So it was not known whether a bullet had been touched or not. One night it occurred to Dr. Gardner that the body itself might contain enough of a current to operate a bell or a telephone receiver. Experiment proved the fact and the difficulty was overcome.

The principle of the instrument is as follows: The metal bulb is placed in the wounded person's mouth, the telephone receiver is held to the surgeon's ear and the probe in the hole made by the bullet. The bulb in the mouth and the probe are made of the same metal, copper being preferred; and because they are the same no manifestation is heard in the telephone.

But as soon as the leaden bullet is touched it brings another metal into the circuit. The human body then immediately becomes an immense cell, which generates a current strong enough to operate the telephone, so that as soon as the bullet is touched a click is heard in the telephone, and the location of the bullet is established beyond a doubt.

The invention of this instrument has created quite a furor among surgeons. It has been adopted as a standard in the United States army and navy. The surgeon general of the army and the surgeon general of the navy instituted a commission, the result of whose experiments was the report that the principle of the instrument was the only one that should be recognized by military surgeons. Dr. Stephen Smith, well known in army circles, said it was "the greatest advance that had been made in military surgery in one hundred years."

Dr. Joseph D. Bryant, President Cleveland's family physician, says it "bears the same relation to gunshot wounds that physical diagnosis does to diseases of the lungs, or that the microscope does to microbic diseases."

The instrument has just been adopted as a standard in the German army, and when the Nitcherow steamed southward she carried such instruments in anticipation of their possible usefulness. -St. Louis Post-Dispatch.

The Worst Kind of Luck. Wife—I am afraid that gas stove in the kitchen will be a source of great expense to us. Husband—Why, we never use it. Wife—No. But to-day when the gas collector called he saw it.—Life.

In Chicago, of Course. Judge (of a somewhat poetic temperament)—Are you a married man? Have you a wife that you call your own? Prisoner—I have a wife, but I can't well call her my own; she belongs to another man.—Alex E. Sweet.

It Troubled Him. Willis—You have a cold. Does it trouble you much? Wallace—Yes. Every blamed fool I meet asks me about it.—Masie and Drama.

HOUSEKEEPERS' CORNER.

To SCALE fish easily, dip them in boiling water. BOILED cabbage is much sweeter when the water is changed in boiling. TOBACCO meat may be made tender by laying it a few minutes in vinegar water.

In baking bread or rolls, put a saucerpan of boiling water into the oven. The steam will keep the crust smooth and tender. MICH of the heavy cake and bread is the result of the oven door being banged in closing. It should be closed as gently as possible.

BEFORE beginning to seed raisins, cover them with hot water and let them stand fifteen minutes. The seeds can then be removed easily. BOILING liquids, jellies or fruits may be turned into glass, without breaking the vessel, if you press the body of a spoon on the bottom while filling.

For starching muslins, gingham and calicoes, dissolve a piece of alum the size of a hickory nut for every pint of starch. This will keep the colors bright for a long time. KID gloves may be cleaned, when slightly soiled, with a small piece of oiled silk wound tightly about the finger, and rubbed vigorously over the surface of the glove.

GLASS which has grown dull can be restored to a fairly bright condition by washing with diluted hydro-chloric acid and afterwards rubbing with moistened chalk or whiting.

Old paint and varnish may be removed by an emulsion formed of two parts of ammonia shaken up with one part of turpentine. It will soften them so they may easily be scraped off.

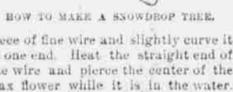
For laundry use kerosene is very effective in whitening clothes. A half-teaspoonful in a boiler of clothes will produce a most satisfactory result. Yet care must be exercised when using this explosive material.

LINEN crash, blue denim or ticking are the best possible fabrics for covering iron holders. Make them removable by basting one end together and occasionally put them in the family wash. Beeswax for smoothing saddlions should be tied in a piece of white muslin to prevent waste.

A SNOWDROP TREE.

How to Make a Novel and Pretty Decoration for the Table.

By means of the following device you can make a very pretty and novel decoration for the table. Incline a wax candle over a glass of water. As each drop of melted wax falls into the water it instantly takes the form of a white cup, somewhat resembling the flower of the snowdrop. These cups you can vary in size according to the inclination of the candle. Now take a



HOW TO MAKE A SNOWDROP TREE.

piece of fine wire and slightly curve it at one end. Heat the straight end of the wire and pierce the center of the wax flower while it is in the water. Having made a hole through the flower push it to the curved end. Prepare a dozen wires in the same way and then join them together in the manner shown in our illustration. You will now have a beautiful tree of wax flowers, which will make a pretty and effective ornament.

Cards and Cream, Without Wine. Into a quart of new milk, warm from the oven or heated to the same point afterward, stir two tablespoonfuls of extract of rennet. You can buy a bottle in any drug store for twenty-five cents. Stir well, pour into a glass dish and leave in a warm place for half an hour, then grate nutmeg over the top, and set in a cold place till wanted. With it serve a jug of plain cream, and a little maple sugar, scraped down with a knife, and piled in a pretty little fancy dish or saucer. This is instead of the sherry and sugar generally stirred into the cream. Too simple, is it? Just try it, and see that your dessert will take five minutes to make, and will cost you about ten cents, unless you like it so well that you have to make double quantity next time.—Mrs. E. M. Jones, in Country Gentleman.

Colors and Complexions. Every woman who is ambitious to look her best should have a list for private consultation of trying colors. Each complexion has its best and its worst possibilities. Most persons can wear dark blue or green; for instance, but very few can wear dark red. It is wise to accept one's limitations and dress within them. If pinkish blue is unbecoming, and it usually is—why should we make gays of ourselves by donning it? If gray is our kindest ally, why not choose white whenever it is possible to have it?

Best White Molasses Candy. One pound granulated sugar, one pint sirup; boil till quite thick when dropped in cold water; then add one pint best Porto Rico molasses and three or four tablespoonfuls of vinegar. Boil to a snap. Remove from the fire and stir in quickly one-half teaspoonful of soda and flavor with essence of lemon. Pour on the slab and work white. This makes a better candy than that usually sold by confectioners. Good candy can be made in this way by using all Porto Rico and no sugar.

Opinion by an Expert. Artist—This is my best picture. I call it "St. Agnes." And you don't like it? I am so sorry! May I ask what your objection is? Critical Young Woman—Her halo isn't on straight.—Chicago Tribune.

He'll Find Out Later. He—Yes, I've done it at last. I screwed up courage enough to ask Miss Flightie to marry me. Rather brave, wasn't I? She—Brave to recklessness.—N. Y. Weekly.

WEAK MEN YOUR ATTENTION

Great English Remedy, Gray's Specific Medicine. IF YOU SUFFER from Nervous Debility, Weakness of Body and Mind, Spermatorrhea, and Impotency, and all diseases that arise from over-indulgence and self-abuse, as Loss of Memory and Power, Dimness of Vision, Premature Old Age and many other diseases that lead to Insanity or Consumption and an early grave, write for a pamphlet, Address GRAY MEDICINE CO., Buffalo, N. Y. The Specific Medicine is sold by all druggists at \$2 per package, or six packages for \$10 sent by mail on receipt of money and with every \$5.00 order WE GUARANTEE a cure or money returned. We have adopted the Yellow Wrapper, the only genuine. Sold in Scranton by Matthews Bros.

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Restore LOST VIGOR. Sexine Pills. New Discovery! It has been run up in a week, sold with WRITTEN GUARANTEE to cure Nervous Debility, Impotency, Spermatorrhea, and all other diseases that arise from over-indulgence and self-abuse. It restores the system to its original purity and vigor. It is a most valuable medicine for all who are afflicted with the above diseases. Add to your order a 50 cent postage in order to refund the money. Add to your order a 50 cent postage in order to refund the money. Add to your order a 50 cent postage in order to refund the money.

BLOOD POISON permanently cured by the new and powerful Blood Purifier. Under guarantee, backed by \$100,000 in gold. It is the only medicine that will cure Blood Poison, whether it be in the form of Eczema, Scabies, Ringworm, or any other skin disease. It is a most valuable medicine for all who are afflicted with the above diseases. Add to your order a 50 cent postage in order to refund the money.

Ladies Who Value A refined complexion must use Pison's Powder. It produces a soft and beautiful skin.



The Flour Awards. "CHICAGO, Oct. 31.—The first official announcement of World's Fair diplomas on flour has been made. A medal has been awarded by the World's Fair judges to the flour manufactured by the Washburn, Crosby Co., in the great Washburn Flour Mills, Minneapolis. The committee reports the flour strong and pure, and entitles it to rank as first-class patent flour for family and bakers' use."

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P. P. P. Pimples, Biotches and Old Sores Catarrh, Malaria and Kidney Troubles. Makes Marvelous Cures in Blood Poison Rheumatism and Scrofula.

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Seal Sacques Seal Sacques, 36 inches long, \$15.00; Seal Jackets, 26 inches, \$10.00; Seal Jackets, 24 inches long, \$9.00; Astrakhan Jackets, 30 inches long, \$5.00.

Circular Capes Seal Circular Capes, 30 inches long, with Butterfly Cape, \$25.00; Otter Circular Capes, 30 inches long, with Butterfly Cape, \$25.00; Seal Circular Capes, 30 inches long, \$25.00; Astrakhan Circular Capes, 30 inches long, \$25.00; Electric Seal Circular Capes, 30 inches long, \$25.00; Gray Crimmet Circular Capes, 30 inches long, \$25.00.

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