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WHEN you buy overalls, madam, you'll save yourself a lot of bother and worry if you'll just think to ask for Carhartt's. Because they are double stitched throughout and have plenty of room for give and take, Carhartt Overalls rarely rip or tear or "give out" as overalls often do that are not so well made. Every button, too, is reinforced, which means less work for you. Sizes are correct. Extra large, handy pockets, high back and bib and generous seat provide plenty of comfort and protection. My unqualified guarantee goes with every pair.



TRADE MARK

HAMILTON CARHARTT
COTTON MILLS, Limited
Toronto Montreal Winnipeg Vancouver
Manufacturers of Men's Overalls and Work Gloves,
and Carhartt's Allovers for Men, Women and Children



The Most Beautiful Women

in history have been those superb creatures with the magnificent figures. A poor figure will spoil the loveliest face. But a well developed form will redeem the plainest features. All women can have the allure and charm they so rightly covet. The French CORSIQUE Treatment, evolved by Mme. Thora, will bring shapely lines to the thinnest figure. A simple home treatment of bust development, guaranteed to increase the bust by six inches, and to fill all hollows in neck and chest. Used by society and stage favorites for twenty years. Full particulars sent free in Mme. Thora's beauty book—in plain sealed cover. Write for it—*to-day*. All letters strictly confidential—and answered by women.

For the convenience of our United States clients we have an agency in that country.

Begin this treatment—at once—and make yourself beautiful.

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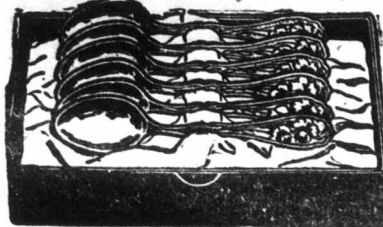
97 Piece Dinner Set

and Lovely Set of
Rogers Spoons



A MARVELLOUS OFFER TO QUICKLY INTRODUCE A DELIGHTFUL NEW PERFUME!

YOU can secure without a penny of cost this magnificent 97-piece English Dinner Service and a lovely set of half-dozen Wm. A. Rogers teaspoons. Each dinner service is guaranteed full size for family use, its 97 pieces comprising 12 cups and 12 saucers, 12 tea plates, 12 dinner plates, 12 soup plates, 12 sauce dishes, 2 platters, 2 oval covered vegetable dishes, a cream jug, covered sugar bowl, a gravy boat, pickle dish, and a salad bowl. It is handsomely decorated in rich floral design and will surely delight the most fastidious housekeeper. The beautiful set of teaspoons are in the famous Wm. A. Rogers Rideau Castle design beautifully finished and fully guaranteed for wear and satisfaction.



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Will you sell just 16 bottles among your friends at only 25c. each?

You can do it quickly and easily in your spare time as everybody you know will gladly try a bottle of this lovely new perfume at only 25c. Send us your name and address to-day and we will send you the 16 bottles all postage paid, and trust you with them until sold. Then return our money, only \$4.00, and we will promptly send you the beautiful set of spoons, and the handsome dinner set you can also receive without selling any more goods by simply showing your fine reward among your friends and getting only seven of them to sell our goods and earn our fine premiums as you did. We arrange to pay all delivery charges right to your door.

REMEMBER YOU TAKE NO RISK. You do not spend a cent of your own money. We trust you with our goods until sold, and if for any reason you cannot sell them we will take them back and give you beautiful premiums or pay you a big cash commission on the quantity you do sell. Write to-day. Address: 110 THE REGAL MANUFACTURING CO., Dept. D 39 Toronto, Ont.

Curiosities in Explosives

By Hudson Maxim

THERE is no subject about which there is more popular error than there is about the action of high explosives. One amusing fact is that no two witnesses of an explosion ever agree about what actually happened.

Whenever a disastrous explosion occurs there are as many different accounts of it as there are persons who witnessed it. The main reason for that strange psychological phenomenon is undoubtedly that the peculiar shock of the experience confounds the senses.

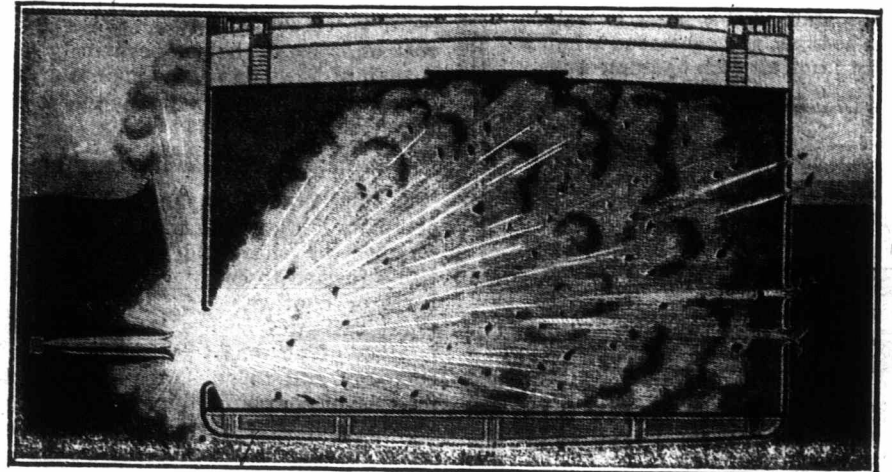
Action of Explosives

About ten years ago, while the government was preparing some fulminate compound for detonating fuses at the Washington Navy Yard, an explosion occurred that resulted in some fatalities. Among the witnesses who were examined during the investigation into the cause of the explosion was a negro laborer who had been working just outside the building when the fulminate exploded.

be placed when detonated its action is mainly downward. The crater that an explosion makes in the earth has led to that belief. Nothing, however, could be more contrary to the truth.

When a mass of explosive is placed on the surface of the earth and detonated, its action is mainly upward. At the instant of detonation the ball of incandescent gases, under enormously high tension, expands outward in all directions, and as the gases strike the earth they rebound into the atmosphere, still expanding in the form of an inverted cone.

The explosion sends outward in all directions a wave of atmospheric compression that, in fact, is a huge sound wave, and that moves exactly at the speed of sound—about eleven hundred feet a second. Although the wave may be so bass that we cannot hear it, it is nevertheless, in its nature, a sound wave. The expanding gases and the immediate atmosphere that they propel forward like a projectile can inflict serious damage in only a very circumscribed area—



What happens when a torpedo strikes the hull of a ship

"Where were you when the explosion occurred?" asked the officer who was conducting the investigation.

"Just outside the building, sah," said the negro.

"Was there one explosion or were there two?"

"There were two explosions, sah—two of 'em."

"How much time passed between the two explosions?"

"I should think about half a second, sah—about half a second."

"You say you were just outside the building when the first explosion occurred. Where were you when the second explosion occurred?"

"I was going by Station B, sah, headed for the main gate."

As Station B was a quarter of a mile away from the scene of the explosion, the negro must have been going at a high rate of speed.

It is popularly believed that in whatever position a body of explosive may

not much more than a few hundred feet in any direction from the explosion. The great sound wave, however, may travel to a distance of many miles.

On July 30, 1916, several hundred tons of high explosive materials blew up in New York Harbor, not far from Ellis Island. A large quantity of shrapnel and other ammunition went up in the blast, and the fragments rained all over the surrounding water. There was very little loss of life, however, and the actual material damage to buildings in Jersey City, Manhattan and Brooklyn was astonishingly small, except for broken glass. About a million dollars' worth of glass was broken in New York City alone.

You would naturally suppose that the fragments of window glass broken in that manner would fall inside a building, but they do not.

Almost always they fall outside into the street. The reason for this is that the wave of compression striking a pane of glass, forces it inward nearly to the breaking-point. Then the wave of compression moves on and is followed by a partial vacuum; the glass, springing outward to fill the void, breaks, and falls into the street.

The terribly destructive action of a torpedo upon a vessel is a subject of great curiosity to most persons. The torpedo that struck the Sussex in the British Channel broke the ship clear in two, and the two parts separated and floated away; the forward part quickly sank.

The illustration graphically shows the action of a torpedo against the hull of a ship. A torpedo carries about 400 pounds of the high explosive known as T. N. T.—trinitrotoluene. The explosion instantly develops 40,000 cubic feet of gases, which, finding the hull of the ship the line of least resistance, burst through it, breaking the hull wall and steel beams into fragments and hurling the fragments forward, often clear through the ship, as was the case with the Gunflight. The mass of water that surrounds the war head of the torpedo, being highly resistant, directs the explosive blast for-

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