

long stick to guide it-like the tail of a of fireworks, which, when the "shell" kite. Rockets are of all sizes, from 1 oz. to 6 lb., and the largest require a stick 6 ft. long and 1 inch square to guide them. A rocket consists of two parts—the part which causes it to soar upwards with a hissing sound, and the part which bursts into stars, or rain, or colored balls when it starts to fall again. This part is attached to the cone, and by a clever arrangement, does not ignite till the rocket reaches its highest point.

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As you all know, rockets are very much used for signals at sea, especially when a ship is in distress. These sea rockets generally contain colored lights-different steamship lines having different lights or combinations of lights, so that one ship knows to what line another belongs by the color of its signals. Some of these sea rockets are nearly a foot long, and the fuse is covered with india-rubber to protect it from damp. It is by means of rockets, too, that ropes—life-lines—are cast to the shore or to another ship, and many a life has been saved by their instrumentality. Although some rockets can be let off by hand, the stick to which they are attached is generally fixed into a bottle, or if very large, they are fired from a frame.

For exhibition purposes "shells" are very much used. These are great round things, looking something like a football,

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explodes, go off one after another, so that a splendid effect is obtained. These have to be fired out of a mortar, or small cannon, the fireworks inside being ignited by a fuse which passes through a hole in the top. The stars in these shells are of the "pill-box" variety—looking just like a small pill-box—and each has a bit of quick match in it so that it lights

I dare say you have often, like myself, wondered how the beautiful "set-pieces" that one sees-portraits of celebrated persons or an illustration of some event -are obtained. Well, it is in this way: The design is first drawn by the artist upon squared paper; he then sketches the design—say a portrait of the King or Queen—in chalk upon a framework consisting of one-foot squares, corresponding with the squares upon the paper, and a man follows after him nailing strips of bamboo over the chalk lines. The fireworks are then set and fixed to the bamboo lines, with quick match running round, so that the whole design lights practically simultaneously.

Not long ago this youngster was looking at a drop of water through a microscope. Here, there and everywhere were darting animalculae.

and made of papier-mache, which scatter a shower of beautiful colored stars as the shower of beautiful colored stars as

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This Washer

Must Pay For Itself

A MAN tried to sell me a horse once. He said it was a fine horse and had nothing the matter with it. I wanted a fine horse, but, I didn't know anything about horses much. And I didn't know the man very well either.

So I told him I wanted to try the horse for a month. He said "All right, but pay me first, and I'll give you back your money if the horse isn't alright."

Well, I didn't like that, I was afraid the horse wasn't "alright" and that I might have to whistle for my money if I once parted with it. So I didn't buy the horse, although I wanted it badly. Now this set me thinking.

You see I make Washing lachines—the "1900 Machines—the Gravity" Washer.

And I said to myself lots

of people may think about my Washing Machine as I with quick and thorough work. Do not thought about the man who overlook the detachable tub feature. But I'd never know, because they wouldn't write and tell me. You see, I sell my Washing Machines by mail. I have sold over half a million that way. So, thought I, it is only fair enough to let people try my Washing Machines for a month, before they pay for them, just as I wanted to try the horse.

Now, I know what our "1900 Gravity" Washer will do. I know it will wash the clothes, without wearing or tearing them, in less than half the time they can be washed by hand or by any other machine.

I know it will wash a tub full of very dirty clothes in Six Minutes. I know no other machine ever invented can do that without wearing the clothes. Our "1900 Gravity"

Washer does the work so easy that a child can run it almost as well as a strong woman, and it doesn't wear the clothes, fray the edges nor break buttons, the way all other machines do.

It just drives soapy water clear through the fibres of the clothes like a force

So, said I to myself, I will do with my '1900 Gravity' Washer what I wanted the man to do with the horse. Only I won't wait for the people to ask me. I'll offer first, and I'll make good the offer every time. offer every time.

Let me send you a "1900 Gravity" Washer on a month's free trial. I'll pay the freight out of my own pocket, and if you don't want the machine after you've used it a month, I'll take it back and pay the freight, too. Surely that is fair enough, isn't it? Our "GRAVITY" design gives greatest convenience, as well as ease of operation

Doesn't it prove that the '1900 Gravity' Washer must be all that I say it is?

And you can pay me out of what it saves you. It will save its whole cost in a few months in wear and tear on the clothes alone. And then it will save 50 to 75 cents a week over that on washwoman's wages. If you keep the machine after the month's trial, I'll let you pay for it out of what it saves you. If it saves you 60 cents a week, send me 50 cents a week till paid for. I'll take that cheerfully, and I'll wait for my money until the machine itself earns the balance.

Drop me a line to-day, and let me send you a book about the "1900 Gravity" Washer that washes clothes in six minutes.

State whether you prefer a washer to operate by Hand, Engine Power, Water or Electric Motor. Our "1900" line is very complete and cannot be fully described in a single booklet.

Address me personally, O. T. MORRIS, Mgr., Nineteen Hundred Washer Co., 357 Yonge St., Toronto, Ont.,

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