

## AN INTERESTING TRICK

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A rather serious problem that turns up to some people occurs when he tries to pass wires through existing conduits in walls but it presents many curves, knees and obstacles that make the process very difficult.

Sometimes it is even impossible to pass the metallic tape guide (or any other) to be possible to pull the wires.

Having once such a problem, I had an idea that solved everything in a very simple and quick mode.

To start the pulling process we have to have something already passed through the pipes, but this is just the main problem.

Suppose we want to pass some wires between two wall boxes connected via a conduit, but presenting obstacles in the path. The idea is the following: we use a vacuum cleaner aspirating from one of the wall boxes with a piece of cloth serving as a sealing device to guarantee that the air flow to be sent through the conduit. At the other end, in the other wall box, we put a little piece of Styrofoam (may be one of those little balls sold at stationer's shops) with diameter approximately one half of that of the conduit and tied to a suitable length of sewing line. When the vacuum cleaner is turned on, being kept in place by someone, another person releases the line as the vacuum pulls the ball until this arrives to the other wall box. With this line passed, a string is pulled and this pulls a nylon string and so on until to be possible to pull the set of wires. The process is repeated for all wall boxes until the last one.

This method can be applied for other uses. I succeeded in pulling a gas hose through a PVC pipe with many curves and knees through a total distance of 24 feet. In this case I used a small quantity of soap on the external surface of the hose to lubricate it to be easier for it to slip inside the pipe.

A friend of mine was really desperate because in his new house there were no conduits with guide wires and it was being impossible to pass the electrical wires. He was already thinking about breaking the walls when he told me about his problem. I showed him this idea and he succeeded in passing all wires with no problem, avoiding great disgust and prejudice.

I hope this idea is useful to many of the readers.