

Wr 021409 Jumping staff revisited

From: [Robert Bailey](#)

To: [nwlorax](#)

Sent: Thursday, February 12, 2009 3:58 AM

Subject: Something from Area 51

Gordon, I will send you a G-mail next week when you are at the festival.

I have sent you a drawing like this in the past.

I think this best illustrates what I am trying to do with this "REVERSE ENGINEERED" alien device.

There was a sighting of strange men "BOUNCING" above the ground while holding a long silver staff in one hand. They would strike the base of the staff with an audible "CLICK" and be bounced several feet from their original position!

At first I attempted to build this device using a magnetic solenoid. The base of the staff would "CLICK", sending a current into a solenoid's windings and bouncing an internal iron cylinder up the staff. As the iron cylinder compressed the spring at the top of the staff, it generates a gravity opposing inertial force. This force is then transferred to the arm of the operator and causes them to bounce.

This concept required a heavy battery be worn by the operator of the Jumping Staff and I looked for a simpler solution.

I then began to experiment with producing a partial "VACUUM" inside the staff.

This vacuum is created by cooling air and wind currents above the staff that act like a chimney....

The base of the staff has a rubber tear drop shaped valve that springs open when it is struck against hard ground.

This allows air to blow up the inside of the staff as shown in red arrows.

This propels the heavy iron cylinder up the inside of the staff.

The heavy iron cylinder then compresses the spring above it and propels the operator by inertia into the air!

Once the operator of the staff leaves the ground the rubber tear drop shaped valve closes and pressure builds inside the staff and "VENTS" from the top cap in the illustration. The iron cylinder confined to the hollow staff stops bouncing and the air inside cools off. The net result is a partial vacuum forms inside the staff which prepares the operator for another jump.

This staff can be used "OVER AND OVER AGAIN"! It is constantly being regenerated by the environment and the motion of the operator holding it. A simple vacuum gauge at the top of the staff allows the operator to build up the maximum level of vacuum before opening the tear drop shaped valve at the base.

I have sent this information to people on the internet for over 10 years now and no one has ever attempted its construction.

I have tested all of the components experimentally and know it works as illustrated. I have a model rocket that uses the exact same principle! Also Gordon recall the "EGG IN THE MILK BOTTLE" trick often demonstrated to science students. In the trick a burning paper is dropped into a milk bottle and allowed to go out. Then a hard boiled egg is placed at the mouth of the milk bottle and the egg is "SUCKED" inside the glass milk bottle with a "WHOOSH". My jumping staff uses the same technique!

My other alien devices are far more complex and difficult to build.

Perhaps we could build one of these jumping staffs for friends of yours interested in exercise and "NATURAL" walking assistance devices!

I know it looks very elaborate, but it is not. It does not require the operator to bounce on foot pegs to compress the spring as on a standard "POGO STICK".

It is simply "FUN" to use. It allows you to leap "MAGICALLY" from point to point without apparent effort....

Gordon are you still not convinced???

If not, then simply place a weight inside a cardboard tube, suspended by a spring. Then Gordon start the weight bouncing inside the tube and place the tube against the floor and the inertia of the weight will cause the tube to bounce off the floor as if by magic!

It is sad how few of my devices have been reproduced on the Internet after all of these years. I grow older every day and will not be able to use these devices any longer without risk of injury.

A word of warning, this device properly constructed is "DANGEROUS" in the hands of a child or immature adult. The heavy iron cylinder can build up tremendous forces and jump the staff several feet into the air if no one is holding it!!! It should never be pointed at anyone and must always be firmly in the grasp of the operator while in use.

Therefore it is best kept in the hands of experienced operators. It is not a toy. It is a walking assistance device with a self regenerative capacity. It also demonstrates the physics of "IMPLOSION" of air inside the staff.

If you "EVER" find a friend interested in building one, I can talk them through it.

Your wish I was out bouncing around, instead of sitting here friend Bob.....





