Subsurface Drip Irrigation Installer

CLAIM:
- A vibratory plow
- At least one spool assembly
- A three-point hitch
- Plurality of plow blades
- Closing wheels and a compression roller
- Weight of 250 – 500 pounds

OVERVIEW:
New Mexico State University, with the help of the inventor Jose Makk, has developed a product that will simplify the process of installing drip irrigation systems into the ground. The subsurface drip irrigation installer is a vibratory plow that digs a trench in the ground, places a conduit, and then covers the ground, seamlessly repairing the minimal damage caused to the existing surface.

The plow can be towed by a small tractor or truck by the three-point hitch. The plow can handle conduits, cable, lines, tubes, conductors, hoses, pipe, and any other at least partially flexible material that needs to be buried. The depth of the trench varies depending on the soil and what conduit needs to be buried.

NOVELTIES:
- Light Weight
- Causing minimal damage to surrounding surfaces.

FEATURES:
- Seamless finish to the ground.
- Can be used on medium to large projects.
- Maneuverable around trees, concrete barriers, permanent outdoor furnishings, etc.
- Has a vibratory property to assist in settling the surrounding area.

POTENTIAL APPLICATIONS:
- Installation of pipe for drip irrigation and lawn-sprinkler systems.
- Installation of cross-country telecommunications (telephone-television) and electrical cables.
- Installation of pipe for water and natural gas.
- Installation of wire for “invisible” dog fences.

INVENTOR(S) EXPERTISE
Jose F. Makk
Owner and Landscaper

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