

Kenner's

GIRDER & PANEL

# HYDRO-DYNAMIC BUILDING SET

with **MOTORIZED PUMP**

**BUILD and OPERATE** Industrial Plants with Powered **HYDRAULIC ACTION**

**PIPE IT... PUMP IT...** PUMPS COLORFUL LIQUID through **TRANSPARENT PIPES** and **TANKS**

SEE THE FLOW AND CONTROL THE ACTION!

EXCITING HYDRO-MECHANICAL EFFECTS

IT'S FUN!  
IT'S EASY!



**TILTING SCALE**  
Measures liquid, dumps into tank below

**TRANSPARENT TANKS AND PIPES**  
Show liquid and show colorful flow

**CONTROL VALVES**  
Shut off, slow down, switch flow of liquid

LIQUID CHANGES COLOR AS IT CIRCULATES

**ENCLOSED AERATOR SPRAY**  
Sprays like a fountain

**TURBINE VELOCITY METER**  
Paddle wheel spins

**FLOAT VALVE**  
Float rises, opens valve, empties tank

**BALL FLOW METER**  
Ball rises and falls to indicate pressure

**AUTOMATIC SIPHON**  
Fills, empties quickly, then refills ... over and over

**BATTERY-POWERED PUMP and MOTOR UNIT**  
in PLASTIC TRAY BASE  
on which entire structure is built

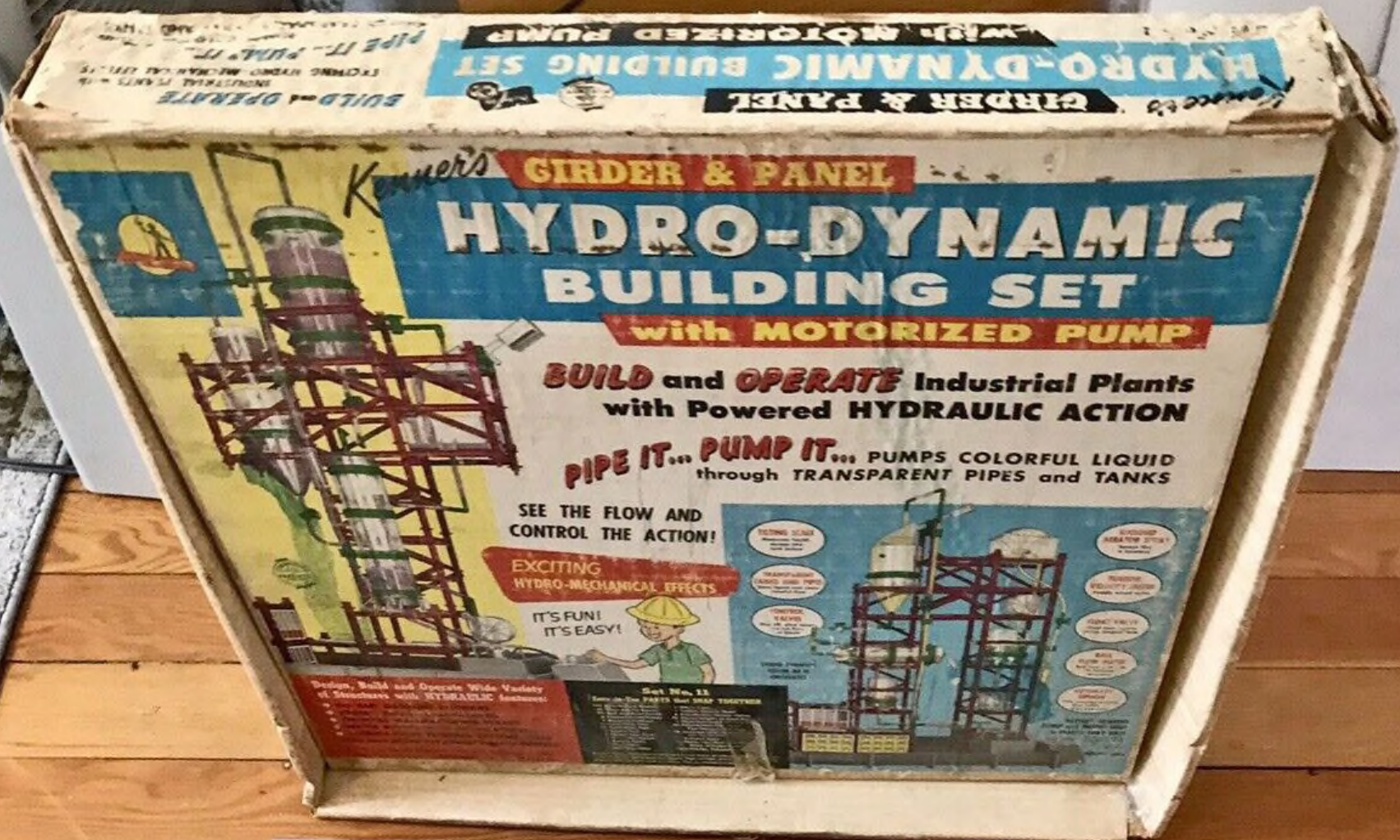
Design, Build and Operate Wide Variety of Structures with **HYDRAULIC** features:

- OIL AND GASOLINE REFINERIES
- ATOMIC ENERGY LABORATORIES
- CHEMICAL MANUFACTURING PLANTS
- WATER PURIFICATION INSTALLATIONS
- RECIRCULATING PUMPING SYSTEMS ... and many more original and different industrial structures

### Set No. 11 Easy-to-Use PARTS that SNAP TOGETHER

- |                          |  |
|--------------------------|--|
| 192 Polyethylene Girders | 1 Tilting Scale  |
| 42 Cross and Tie Boxes   | 1 Turbine Velocity Meter   |
| 29 Wall and Roof Panels  | 6 Polyethylene Control Valves                                    |
| 8 Roadways and Ramps     | 42 3-foot lengths of Vinyl Pipe                                  |
| 2 Massville Fastings     | 1 Three-foot length of Vinyl Pipe                                |
| 11 Large-Tank Parts      | 44 Polyethylene Pipe Joints                                      |
| 12 Small-Tank Parts      | Pipe Hangers and Plugs   |
| 1 Square Tank            | 20 Assorted Color Tablets (made U.S. Certified Poly-Food Colors) |
| 1 Square Tank Cover      | Assorted Signs   |
| 1 Automatic Siphon       | 1 Plastic Tray Base with Pump and Motor Unit and Synchronous     |
| 1 Aerator Spray          | ILLUSTRATED PLANNING BOOK  |
| 1 Float Valve            |  |
| 1 Ball Flow Meter        |  |

Girders, Pipes, Joints and Control Valves are made of unbreakable polyethylene or Vinyl plastic. Other parts are sturdy, high-strength plastic without teeth, to form rigid structures. Can be carried anywhere.









### DE-BURRING TOOL

In the molding of intricate small parts such as the "T" Joints, "L" Joints and Valves, thin films of plastic (burrs) will sometimes remain in the openings, partially blocking the passages. To assure proper flow of water through these parts, you can quickly and easily remove such burrs with the de-burring tool that you will find in one of the bags of parts. Use the tool as shown here!

**FOR "T" JOINT**

- 1 • Push tool into stem of "T"
- 2 • Push through from each end
- 3 • Blow into stem to remove chips of plastic

**FOR "L" JOINT**

Push tool into angle from each end. Blow through to clean out chips.

**FOR VALVE**

Push tool all the way through from each end. Blow out chips.

Before inserting valve stem into body, be sure hole in stem is completely open and free of burrs.

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Kanner Products Co., Cincinnati 2, Ohio

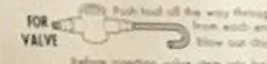
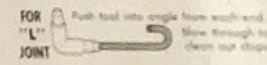
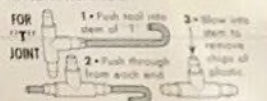




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