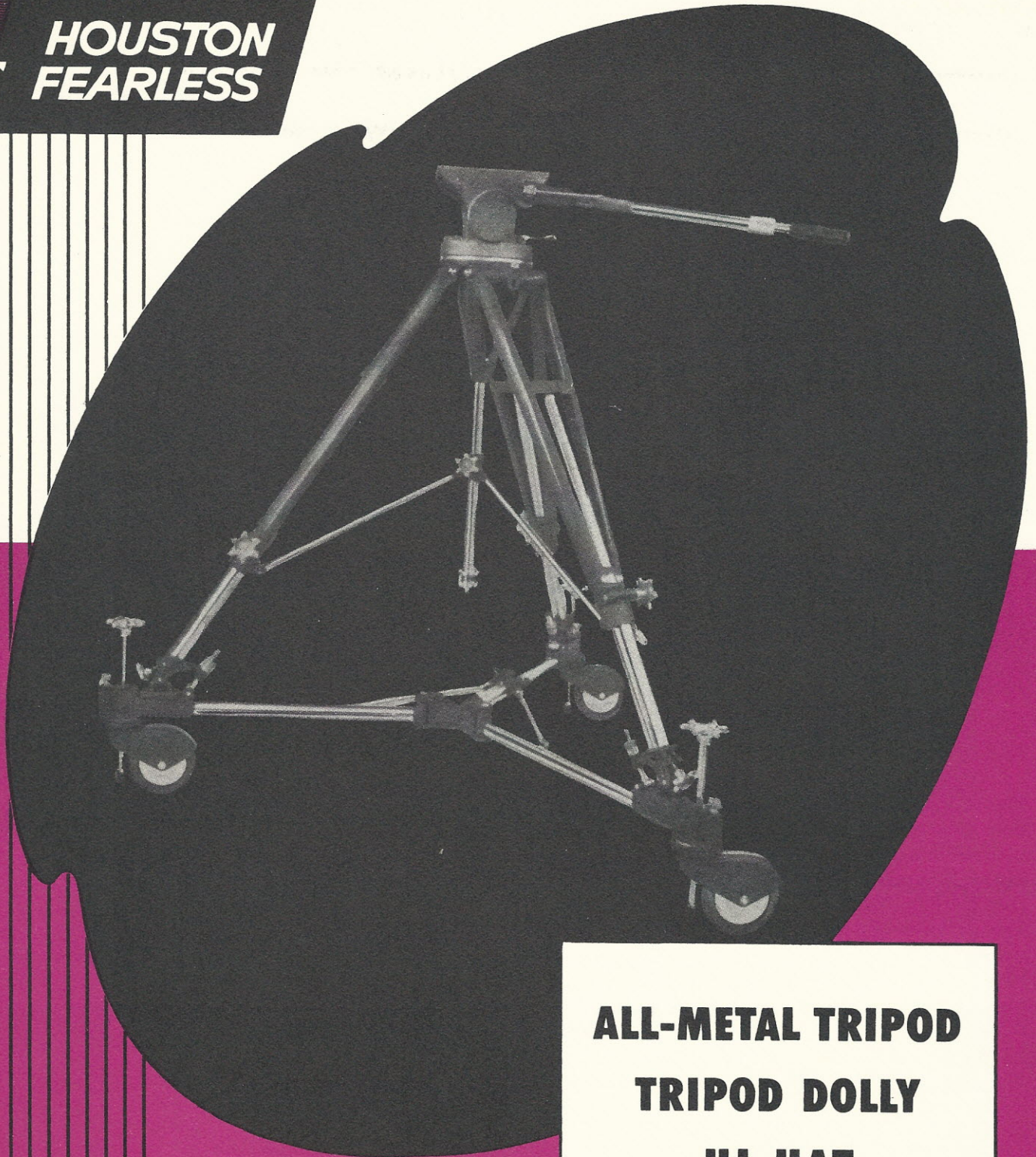


SMG

**HOUSTON
FEARLESS**



**ALL-METAL TRIPOD
TRIPOD DOLLY
HI-HAT
FRICTION HEAD
TILT HEAD**



HOUSTON-FEARLESS

ALL-METAL TRIPOD

The Houston-Fearless All-Metal Tripod is ideal for use with 35mm motion picture cameras as well as television cameras either in the studio or in the field. It combines extreme ruggedness, adaptability, rigidity, ease of operation and portability not found in any other tripod. Available in both $\frac{3}{4}$ length and full length, it offers many exclusive, valuable features.

STURDY CONSTRUCTION

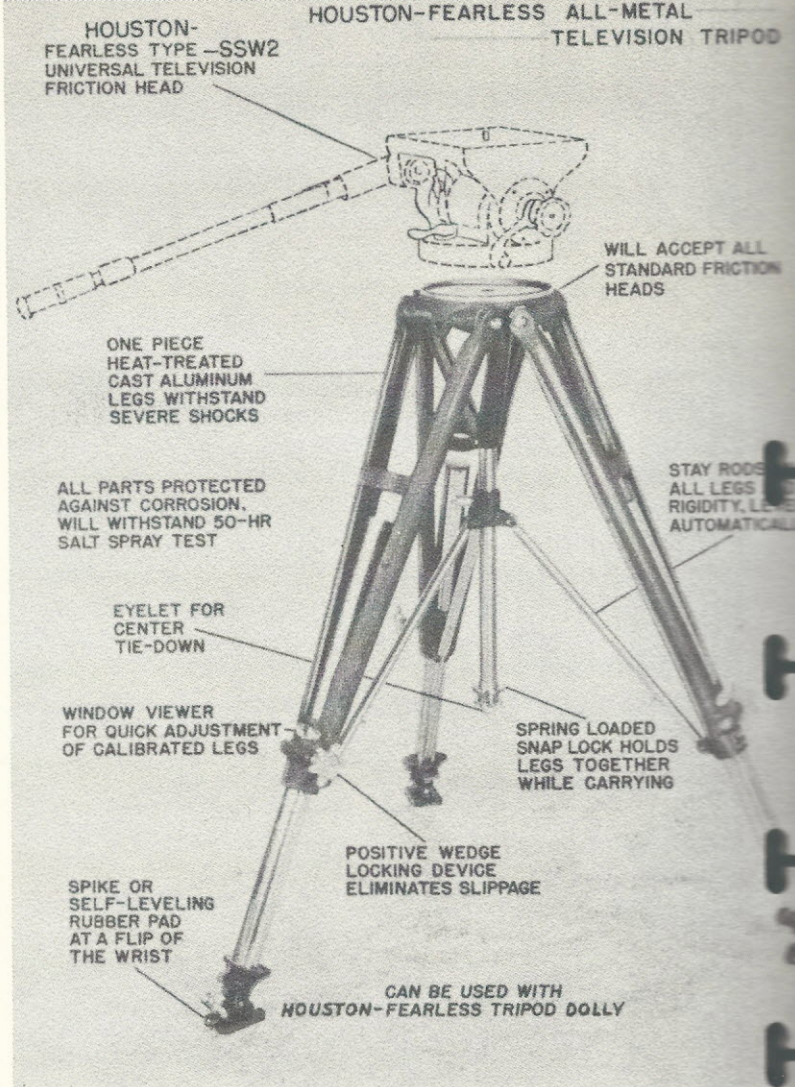
The top plate and the upper legs are one piece aluminum alloy castings which provide extra strength with a minimum of weight. The lower legs are $1\frac{1}{2}$ " seamless steel tubes, heavily hard-chrome plated to prevent corrosion. Each slides within a long-length bearing which is held to close tolerances. A tie rod attaches each leg to a center tube, leveling the tripod automatically and preventing the legs from slipping. Thus, minimum play and maximum rigidity are assured throughout the working range.

FAST, EASY OPERATION

The $\frac{3}{4}$ length tripod may be adjusted to heights from $25\frac{5}{8}$ " to $42\frac{1}{2}$ " and the full length from $39\frac{3}{4}$ " to $63\frac{3}{4}$ " to top of tripod, exclusive of head. Calibration numbers engraved on the lower legs simplify leveling. When adjusted for desired height, legs are locked in position by a positive wedge locking device which eliminates slippage. When folded, the legs are locked in the closed position with a spring-loaded catch.

RUBBER PAD FEET OR SPIKE

The ends of the legs are fitted with a combination spike and a rubber-faced pad, and can be converted from one to the other in seconds. The pad is universally mounted, thereby adapting itself to any angle. The rubber surface prevents damage to floors. The spike is quickly latched into place with a knob. The pads provide a suitable mounting for use with the Tripod Dolly.



ACCOMMODATES ALL STANDARD HEADS

The head casting accommodates the Houston-Fearless Friction Geared Head, or any other standard motion picture or television camera head.

SPECIFICATIONS

FULL SIZE TRIPOD

Maximum Height, Legs at 38° , $63\frac{3}{4}$ "
 Minimum Height, Legs at 38° , $39\frac{3}{4}$ "
 Maximum Leg Length $68\frac{1}{2}$ "
 Minimum Leg Length $39\frac{3}{4}$ "
 Length, folded $40\frac{3}{4}$ "
 Weight 30 lbs.
 Shipping weight 40 lbs.

$\frac{3}{4}$ LENGTH TRIPOD

Maximum Height, Legs at 38° , $42\frac{1}{2}$ "
 Minimum Height, Legs at 38° , $25\frac{5}{8}$ "
 Maximum Leg Length $42\frac{1}{2}$ "
 Minimum Leg Length $25\frac{5}{8}$ "
 Length, folded $25\frac{5}{8}$ "
 Weight 22 lbs.
 Shipping weight 30 lbs.

HOUSTON-FEARLESS

TRIPOD DOLLY

The Houston-Fearless Tripod Dolly is designed to provide convenient mobility for tripod-mounted television and motion picture cameras. In studio use, it provides a rapid means of position changing, and also permits the use of a tripod-mounted camera for rolling shots. Used in the field, in reasonably flat terrain, the Dolly allows an easy means for moving and positioning the tripod. The Houston-Fearless Tripod Dolly, while expressly intended for use with the Houston-Fearless All-Metal Tripod, is also designed to handle any standard $\frac{3}{4}$ length wooden tripod.

RUGGED BUILD

The frame of the Tripod Dolly is made of strong, lightweight tubular steel, hard-chrome plated to eliminate corrosion. It is supported on three rubber-tired swivel wheels, five inches in diameter. Braces connecting the legs provide for rigidity. The tripod is fastened firmly to the dolly by a clamp at each leg.

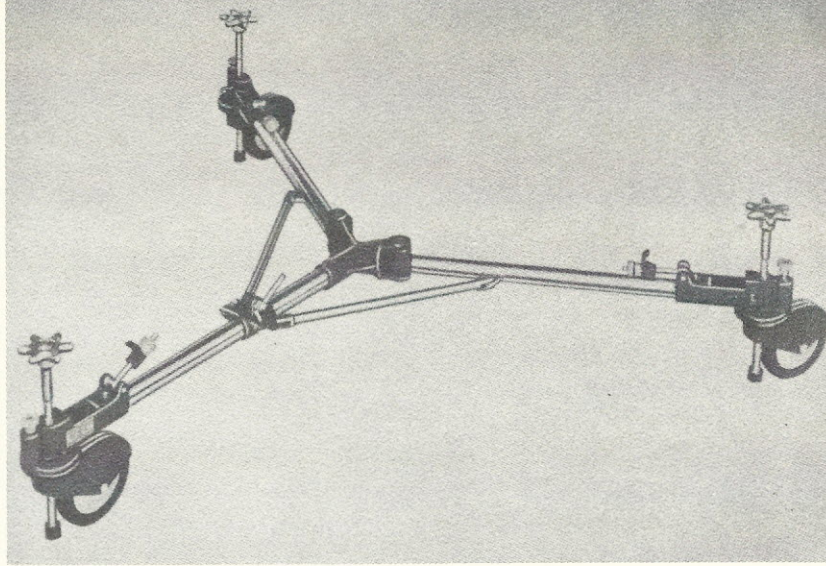
COMPLETE MOBILITY

The dolly rolls smoothly and quietly on its three rubber-tired wheels, carrying a camera, friction head and tripod. As each wheel is on a swivel, the course is easily changed by merely pushing in the proper direction. Caster locking devices at each wheel make it possible to lock two or all three wheels in a parallel position, enabling the dolly to track in a straight line for rolling dolly shots, closely simulating results obtained with more expensive equipment. Usually all wheels are locked for dolly shots, while two locked wheels allow easy steering.

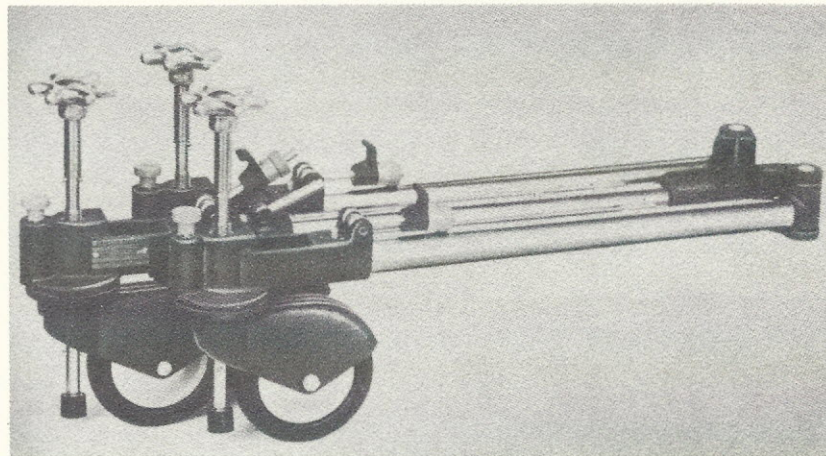
Three rubber-tipped stabilizer screws may be applied against the floor when it is desirable to hold the dolly in a fixed position.

FOLDS COMPACTLY

For carrying, the dolly folds quickly and compactly. A self-locking device holds it tightly together. Weighs only 25½ lbs. Easily set up in a matter of seconds. The tripod dolly is ideal for remote shows where dollies or pedestals are not available.



Dolly provides mobility for camera.



Dolly folds compactly for easy carrying.

SPECIFICATIONS

Height (set up).....	6 in.
Diameter (set up).....	57 in.
Height (folded).....	8 in.
Width (folded).....	14 in.
Length (folded).....	29 in.
Weight.....	25½ lbs.
Shipping weight.....	38 lbs.

HI-HAT



SPECIFICATIONS

Height.....	6"
Diameter of base.....	10¾"
Diameter of top plate.....	7"
Weight.....	2½ lbs.

The Houston-Fearless Hi-Hat is for use with a motion picture or television camera in restricted quarters where a tripod or dolly may not be convenient. For television, installation of a hi-hat saves time on fixed locations from which frequent pickups are made. Will accept Houston-Fearless Friction Head or Geared Head or any other standard motion picture or television camera head. Sturdily made of cast aluminum with hammeroid finish.

HOUSTON-FEARLESS FRICTION HEAD

Provides smooth, easy panning and tilting with motion picture or television cameras weighing between 80 and 150 lbs.

The head moves on standard grease-sealed ball bearings and can be panned a full 360°. A lever at the rear controls an expanding brass shoe which provides an efficient brake for the pan and, if desired, adds drag to panning action. Adjustment is provided to compensate for wear.

The head may be tilted 45° forward and 45° backward. The tilt action is accurately counter-balanced for the full length of tilt through the use of a single helical torsion spring, which is totally enclosed. An important feature is a knob which may be rotated to provide compensation for an unbalanced load, such as a large telephoto lens. This adjustment is easily made and requires no tools.

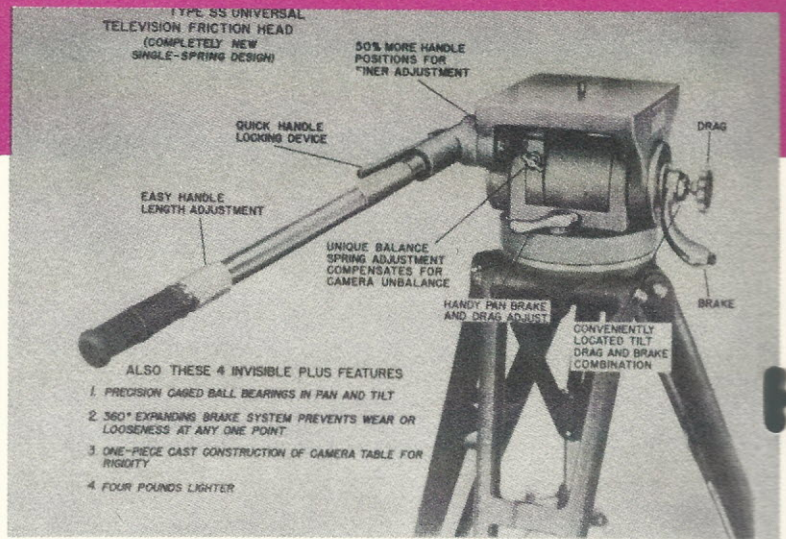
The drag and brake adjustments on the tilt action are independent of each other. Both controls are conveniently located on the right side of the head with the brake handle adjustable to compensate for wear. A wide range of smooth tilt-drag may be obtained by the rotation of a knob. An expanding cast-iron shoe, working against a polished steel tube, provides a long, trouble-free wearing surface for both the tilt-drag and brake.

The operating handle is of steel tubing fitted with a rubber grip. It is adjustable from 18" to 26" and may be detached from the head. It may be angularly adjusted with respect to the head by means of a quick-acting cam. Positive positioning is maintained between the handle and head with a milled serration clamp lock.

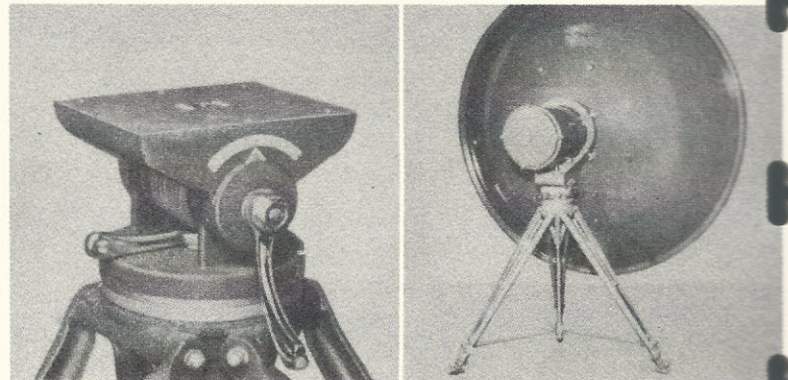
Heat-treated aluminum alloy castings are used throughout. All steel parts are hard-chrome plated and bolts, screws and miscellaneous fittings are of stainless steel. A two-way level is attached to the base of the head.

Fits Houston-Fearless All-Metal Tripod, Panoram Dolly, Television Pedestal, Hi-Hat, or any standard tripod.

Top plate 6 $\frac{7}{8}$ " wide x 8" long
 Height 6 $\frac{3}{4}$ "
 Weight 32 lbs.
 Shipping weight 45 lbs.
 Camera is attached to head
 by $\frac{3}{8}$ -16 screw.



Houston-Fearless Friction Head.



Houston-Fearless Relay Tilt Head. Parabola mounted on Relay Tilt Head.

The Houston-Fearless Relay Head provides a rigid, easily-adjusted tilt head for television or microwave relay purposes. A parabolic reflector, when mounted on the head, may easily be positioned in any direction and locked rigidly in place. Long handles on both the pan and tilt locks make wrenches or special tools unnecessary. Calibration scales on both azimuth and tilt allow for quick resetting of fixed points. Heavy counterbalance springs prevent overturning the parabola while adjusting the tilt.

The head may be attached to the Houston-Fearless All-Metal Tripod, Wood Tripod, Hi-Hat,

or any standard motion picture tripod. The top plate measure 6 $\frac{7}{8}$ "x8" and has a $\frac{1}{4}$ -20 tapped hole at each corner and a $\frac{1}{2}$ -11 tapped hole in the center for mounting the parabola.

The complete unit is sturdily constructed of aluminum alloy castings, stainless steel and heavily plated metal parts, and will withstand the outdoor exposure to which such equipment is subjected.

Top plate 6 $\frac{7}{8}$ "x 8"
 Height 6 $\frac{1}{2}$ "
 Diameter of base 7 $\frac{1}{4}$ "
 Weight 30 lbs.
 Shipping weight 43 lbs.

Write for information on specially-built equipment for your specific needs.

LITHO IN U.S.A.

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