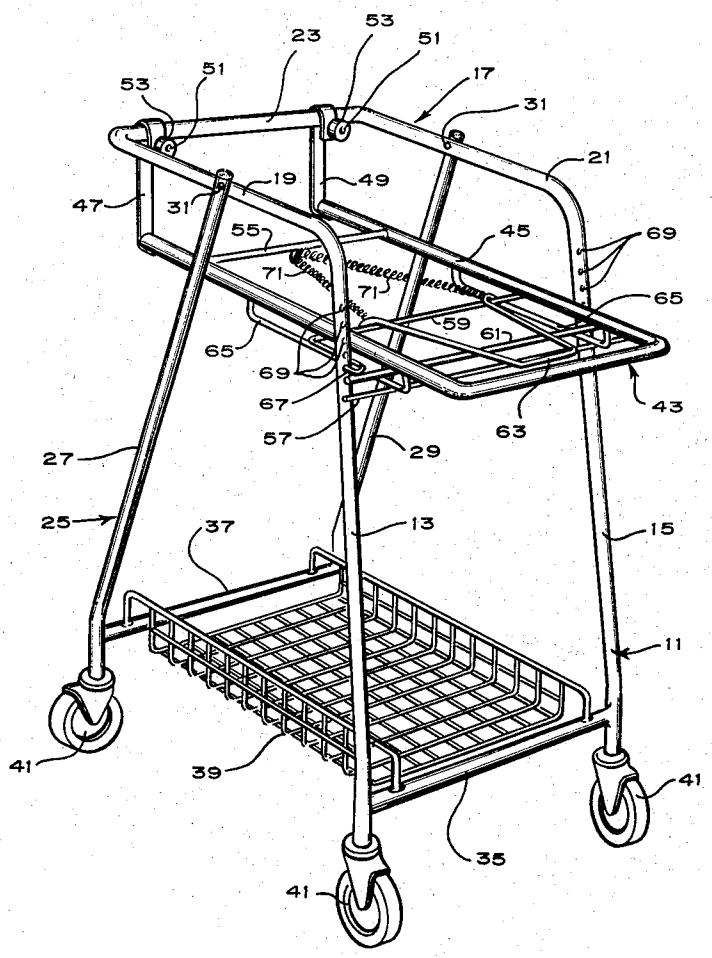
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ADJUSTABLE SHELF SUPPORT STAND

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ADJUSTABLE SHELF SUPPORT STAND

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1 Claim. (Cl. 211—150)

This invention relates generally to handcarts for moving around relatively heavy articles such as cathode ray oscilloscopes.

It is the principal object of this invention to provide a handcart of simple and rugged construction, and which comprises a shelf which may be easily tilted and locked in several discrete positions with respect to the horizontal.

Other and incidental objects of the present invention will be apparent from a reading of the following specification and an inspection of the accompanying drawing which is a perspective view of a handcart in accordance with the invention.

Referring now to the drawing the handcart has a rear leg portion **11** made of a single piece of tubing and comprising two upwardly extending members forming the rear legs **13** and **15**, which legs are joined by a horizontal loop **17** having two longitudinal members **19** and **21** and a transverse member **23**. A front leg portion **25** comprises two upwardly extending tubular members forming front legs **27** and **29** which are joined to the longitudinal members **19** and **21** by means of bolts **31**. The rear legs **13** and **15** are joined together by a transverse tubular member **35** and the front legs **27** and **29** are similarly joined by a transverse tubular member **37**. The transverse members **35** and **37** are provided with holes into which can be fitted a removable tray **39**. The legs **13**, **15**, **27** and **29** are provided with casters **41**.

A shelf **43** comprising a U-shaped tubular member **45** is hinged about the transverse member **23** by means of flat pieces **47** and **49** which bend around the transverse loop member **23** and are held in place by means of bolts **51** in rubber stoppers **53**. The shelf **43** also comprises a transverse member **55**. The shelf **43** may thus be tilted upwardly about the transverse loop member **23**, but

is prevented from being tilted downwardly by a transverse rear leg portion member **57** which is welded to the rear legs **13** and **15**.

When the shelf **43** is tilted upward, it may be locked in a plurality of discrete positions by means of a locking arrangement comprising a frame having transverse members **59** and **61** and handle **63**. This frame may move horizontally with respect to the shelf **43** and is held in place by means of channel-forming members **65** which are welded to the tubular member **45** of the shelf **43**. The frame is provided with pins **67** which fit into any of a plurality of holes **69** positioned in the rear legs **13** and **15**. A pair of springs under tension are secured to the frame transverse member **59** and to the shelf transverse member **55**.

To unlock the shelf **43** the operator pulls on the handle **63** and disengages the pins **67** from the holes into which they are positioned. The shelf is then free to be tilted to another position. It is locked in that other position by releasing the handle **63** so that the pins **67** fit into another set of holes. The springs **71** drive the pins into the new set of holes upon release of the handle **63**.

The handcart in accordance with this invention provides a very useful tool in carting around instruments such as oscilloscopes, and in positioning them at any of several desired angles for convenient observation when they are in use.

We claim:

A cart having a rear leg portion comprising two upwardly extending members joined together by a loop having two longitudinal members and a transverse member, an upwardly extending front leg portion joined to the longitudinal members of said loop, a shelf hinged about the transverse member of said loop, and means for locking said shelf to said rear leg portion in a plurality of discrete positions, said means comprising a frame slidably mounted on said shelf and having pins thereon, and a spring connected between said shelf and said frame and so located with respect to said frame as to urge said frame in a direction to cause the pins to be retained in holes positioned in said rear leg portion.

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