Basic garden-railroad tools you should own

# Carclen August 2009 www.GardenRailways.com PAGE 92

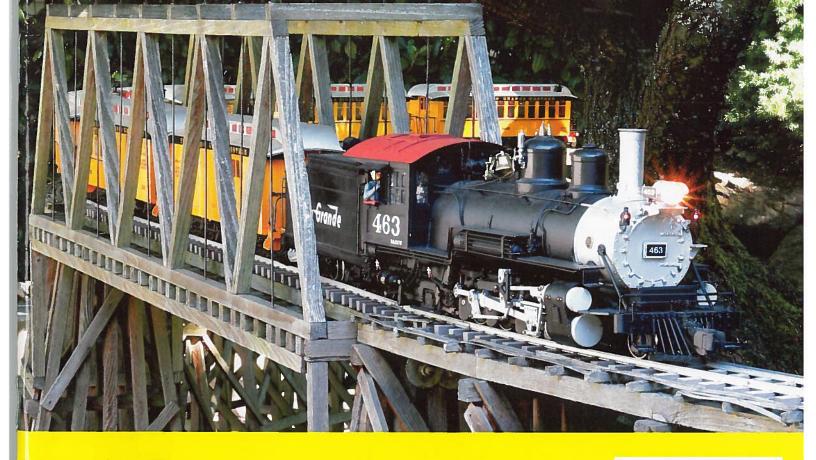
Adventures in outdoor model railroading

### Realistic operations on an elevated railway

Multiple operators serve several industries on this unique line

Scale and gauge demystified WITH HANDY CHART

**Aristo-Craft's Revolution** 



- How to build a girder bridge for less than \$20
- 8 products reviewed: locomotives, DCC, and more!
- Tips for planning your railway's infrastructure



Vol. 26 • Issue 4

## Aug '09

On www.GardenRailways.com

For more photos of new products, next-issue previews, forums, events calendar, and much more, visit www.GardenRailways.com

#### **FEATURES**

Volume 26 Number 4

- 38 Scratchbuild a girder bridge
  Styrene construction provides a sturdy, durable structure for outdoor use by Chuck Rheutan
- 44 Staff corner: Vance Bass
  A cane car for Machita by Vance Bass



#### Cover story

- 46 Colorado Consolidated Railways

  What if all of Colorado's narrow-gauge lines merged? by Dave Goodson
- 56 Build your own turnouts: part 2

  Putting everything together by Steven Monson
- 62 A scratchbuilt, 1:22.5-scale Kershaw Ballast Regulator
  An unusual prototype makes an interesting subject for modeling by Alan Olson
- 66 Garden railway design & construction Structures: The essential workshop: part 1 by Jack Verducci





#### **DEPARTMENTS**

- 6 From the Editor Notes from Marc
- 8 Notes & news What's new for the garden railroader
- 14 Letters
  Views from our readers
- 18 Garden railway basics Scale and gauge demystified
- 23 Tips & tricks
  Fake steam gauges,
  smoother soldered rail
  joints, and more

- 30 Greening your railway Mass planting to frame a focal point
- 35 Plant portraits
  Creeping milkwort
- 69 Miniscaping
  Garden-railway
  infrastructure
- 78 Scribblings on a workshop wall Adieu
- 80 Online station
  A large-scale guide to the Internet

- 82 Raising steam
  Non-locomotive
  live steam
- 84 Events
  Upcoming shows and exhibits
- 86 Product reviews
  Accucraft 2-10-2, AMS
  #6 switch, Aristo-Craft
  wireless control, and
  more
- 106 If I'd only known. . . Sad slim rails saga

#### ON THE COVER

- Bosic tools you should own 66
- Aristo-Craft's wireless control 92
- Realistic operations 46
- Scale and gauge demystified 18
- How to build a girder bridge 38
- 8 products reviewed 86
- Your railway's infrastructure 69



COVER PHOTO: K-27 N° 463, freshly watered and fueled, crosses Steven's Canyon Trestle on Dave Goodson's Colorado Consolidated Railways.