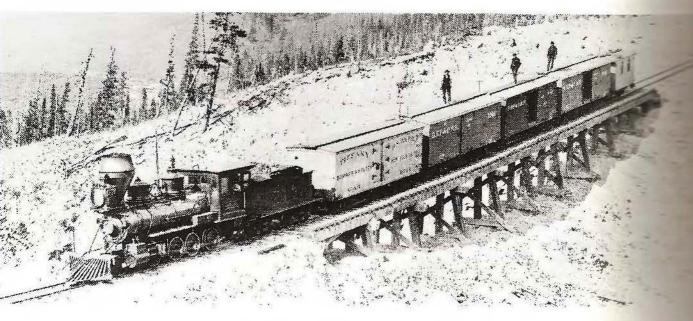
THE COLORS OF SOUTH PARK:

DETERMINING COLOR FROM EARLY BLACK-AND-WHITE PHOTOGRAPHS

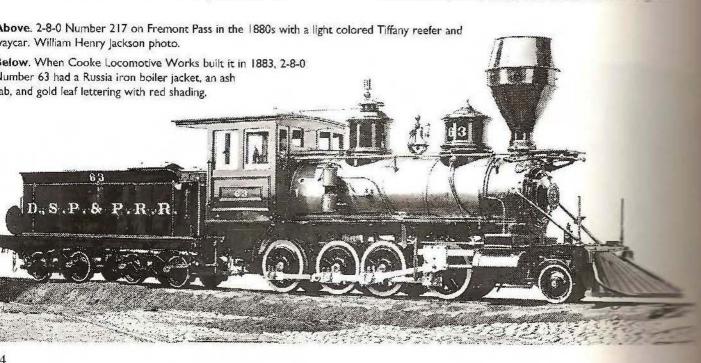


BY MALLORY HOPE FERRELL PHOTOGRAPHS BY THE AUTHOR AND FROM THE AUTHOR'S COLLECTION

Park & Pacific and Denver, Leadville &

Gunnison equipment. Part of the reason is the plate negatives reproduced photographic tones.

Before 1933, most black-and-white films and





photographer's special train at Webster in 1886. The locomotive is Mason Bogie 2-6-6T Number 42 with Waycar Number

chromatic based emulsions. They were music between many shades. Basically, and film orthochromatic emulsions could chorter wavelengths of light. The longer cifically those within the red family, had on glass plate and early film chemistry. The red tones of an original scene than they might with modern film fail to distinguish between such white and yellow. To make matters green, blue, and tan or brown appear dicttering sometimes failed to record a locomotive's gold or a tender's musting appears nearly black and becomes

were white or yellow. The accompanycharacter white or yellow. The accompanywere & Rio Grande train on Marshall difficult it is to identify colors. Careful scale spectrum might yield some the relative values of certain colors. films. They allowed faster exposures and the more sentive emulsions could render a much wider range of graencompassing the entire color spectrum. By the late 1930s, Kodak introduced dye-based Kodachrome colofilm and, later, Ektachrome. While Kodachrome production blues", most images have held their color value over sixty years. Kodachrome slides from the 1930s maintain good color with only slight tonal shifts.

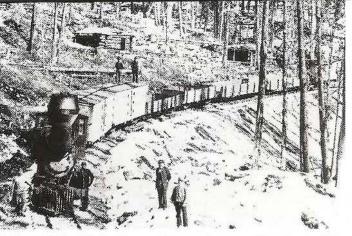
On the other hand, many Ektachrome and Anscochrome color slides from the 1950s often show fading and drastic color shifts toward magenta and pir and are virtually worthless as good illustrative transpacies. Special storage conditions and refrigeration only seem to prolong those color shifts.

So far, we have no accurate information about the colors the D,SP&P used between 1870 and 1890. Ear journalists described D,SP&P passenger cars as "choo brown" with a red oval number panel and gold letteriand trim.

Historian Robert W. Richardson has studied the subject extensively and determined such paint colors green, true yellow, blue, and bright (fire engine) red



Number 402, the Shoshone, drifts down the west side of Marshall Pass at Shawano around 1883. Note the two early re





Left. A D,SP&P 2-8-0 with two Tiffany reefers near Woodstock, Colorado, 1882. Right. Cascade Creek, 1888. Note the red and with

expensive and rarely applied. He notes such colors as white, black, ochre, and mineral red came from fairly common and inexpensive pigments. For example, white comes from lead and mineral red from iron oxide.

Many freight cars, including those on the D,SP&P and DL&G, were Tuscan red, a darker shade of mineral red. We now know early South Park waycars (cabooses) were a very light color, either off-white or light yellow. By the early 1880s, some waycars were mineral red. Several 1880s photographs in my book, The South Park Line (Hundman Publishing, 2003) show Tiffany refrigerator cars and a light colored caboose in the same scene. Their color appears identical. Both light and dark cabooses also appear in the same photographs reflecting an overlap in the South Park waycars' color scheme.

Some evidence suggests the Tiffany Summer & Winter reefers were white even though we know the later Colorado & Southern reefers were yellow. Richardson concludes, "Considering all the evidence, the color of the South Park cabooses and Tiffany reefers is what it looks like: White!"

My own opinion is the South Park's switchstands probably were white because white, red, and black paints between 1870 and 1910 used less expensive pigments. Such colors as yellow were more expensive to mix and maintain. Similarly, I suspect the South Park's waycars and reefers were plain, inexpensive white.

But maybe not.

Back in the early 1960s, I was able very closely to inspect the paint layers on a former D,SP&P Tiffany refrigerator car as it rested, without trucks, near the

A Cooke Locomotive Works builder's photo from 1884.

The color scheme was the same as that

of the Consolidation on page 74.

Colorado & Southern's Leadville enginehouse ably had served as a storage shed since sometime the fall of 1903 when government regulations. Janney patent automatic couplers. The reefer had tained its link-and-pin couplers and unique downware. As I scraped through the various paint laves found faded boxcar red on top of layers of what call "straw yellow"—but no white.

After the Union Pacific took over the line in the passenger cars generally were standard UP Pagreen with black trucks and simulated gold leaf All freight cars except reefers continued to be (Tuscan) red but boxcar side and end fascias In 1885, after the UP renumbered all its equipment cars received complete repainting; others, expensively a large black rectangle to block earlier lettering. Inside the block, the UP painted Pacific" in white along with small individual results of the Coal cars and flatcars generally received simple "Union Pacific" lettering and, in some cases side boards, the shops painted a smaller black received over the old number.

A mixture of equipment with lettering in a styles lasted well into the 1890s. If you want specific car, it is advisable to consult photographe each period. For example, some DL&G work can tained D,SP&P lettering in the late 1890s.

