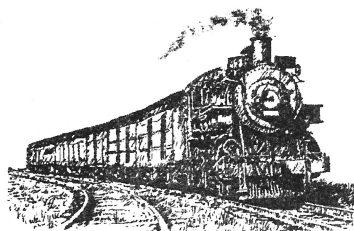


PUZZLE #22 — THE COACH YARD



Six passenger trains were made up in the Denver Midland coach yard near Denver Union Terminal, using up just about all of the specialized equipment we had on hand. One of the trains was powered by an Alco PA diesel; of the others, two were powered by EMD products (an E-6 A-unit and a steam-generator-equipped F-3AB), while the other three were powered by steam engines: a 4-6-2, 4-6-4, and 4-8-2.

Besides coaches and chair cars, each train's consist included two different types of head-end cars from our roster of express refrigerators, box express cars, mail-storage cars, and straight baggage cars. Each train also had, in addition to its coaches and/or sleepers, two different types of "tail-end" cars from the roster of diner, observation, parlor, and lounge cars.

Each train was destined for a different city, three of which—Cheyenne, Laramie, and Salt Lake City—are generally north of Denver. Figure out the motive power, head-end cars, tail-end cars, and destination (one train went to Pueblo) for each train.

1. No two trains had the same pair of head-end cars nor the same pair of "tail-end" cars.
2. None of the diesel-powered trains had a straight baggage car, and none of the steam-powered trains had a full diner.
3. The train powered by a 4-6-2 had no observation car, but the train to Woodville did.
4. Between them, the train to Cheyenne and the train with the F-3s had all four types of head-end cars in their consists.
5. Between them, the train to Colorado Springs and the train headed by the Alco passenger diesel carried all 4 types of tail-end cars.
6. The three trains that carried box express cars were the one pulled by an E-6; the one going to Laramie; and the one with both a full diner and a parlor car.
7. The northbound trains were the one powered by the 4-8-2; the with both an observation and a parlor car; and the one carrying both a mail storage and box express. None of these trains carried an express reefer.
8. Three trains with mail storage cars are the train with the 4-6-4 on the head end; the train to Salt Lake City; and the one with both a full diner and an observation.

Engine	Destination	Head-end		Tail-end	