Answers to Concord Coach 84 Questions
on Booth Museum Website:

1. The front wheel is 46 inches; the rear wheel is 60 inches.
2. There are 52 spokes in all 4 wheels
3. The front wheels make more revolutions because they are smaller in circumference and therefore require more revolutions to cover the same distance covered by the rear wheels.
4. A total of 17 people can ride in and on the Coach
5. A large wheel provides the smoothest ride because it more evenly distributes the weight when going over ruts, rocks, or crevices.
6. The resulting force of brake against wheel causes friction.
7. All of the above answers apply.
8. The rounded shape of the undercarriage, resting on the leather thoroughbraces act as springs and gives the coach a rocking motion.
9. This grease reduces friction, allowing less wear on the axle and hub.
10. When the center of gravity remains within the wheelbase, the coach won t tip over; when the coach is slanted far enough so that the center of gravity is outside the wheelbase, then the coach will tip over.
11. The buckles and straps allow for the boot cover to expand so that more soft baggage can be placed in the boot.
12. The rear wheels support more weight, as the centerline of the carriage resting on the thorough braces is positioned more toward the rear wheels than toward the front wheels (use a ruler to measure and plot these distances).
13. Typical rules might be: no smoking, no chewing tobacco, no cursing, no drinking alcohol, don t rest head on another person s shoulder, no strong body odor, keep hands in lap, etc.