1. What is the balance Dec. 11, 1892, of a demand note for $400 with interest at 6%, dated Jan. 3, 1892, on which a payment of $300 was made Aug. 14, 1892?

2. A ninety-day note for $175, dated Jan. 5, was discounted Jan. 20. Find proceeds, discount 6%.

3. A note for $400 at 6 mo., dated Jan. 23, 1892, was discounted March 29, 1892. Find proceeds.

4. $1796 was paid at auction for 16 shares of bank stock. What was the price per share? The price paid for this stock per share being $\frac{1}{4}$ of 1 per cent less than 50% premium, what is the par value of the shares? What would this stock net the investor at the price paid, the regular dividends being 8% per annum on the par value?

5. A demand note of $1555, dated Nov. 17, 1892, at 6% interest, has had the following payments made: Dec. 1, $555; Dec. 10, $332; Dec. 30, $200; Jan. 10, $468. How much interest was due Jan. 10, when the note was paid in full?

6. A demand note for $45[illegible], dated Nov. 22, 1892, at 7%, has paid on it Dec. 5, $721; Dec. 9, $758; Dec. 23, $758; Dec. 27, $1516; Jan. 10, $759. How much interest is due Jan. 10?

7. A waterworks company wishes to build a wall 1 ft. thick and 9.4 ft. high in circular shape so as to inclose a space 42 ft. 8 in. in diameter. How many bricks will it take, reckoning 21 bricks to the cubic foot?

8. If a steel tape is correct at 68° F., and lengthens sixty-five ten-millionths (.0000065) for each degree of rise in temperature, what is the true length of a distance which it indicates to be 5280 ft. long when the thermometer reads 110°? What when the thermometer reads 20° below zero?

9. How much would a manufacturer receive for 10 kegs of 4^{d} nails at $2.40 per keg, freight allowance of 20¢ per keg, and cash discount of 2%?

10. If 1 screw is made from $\frac{1}{4}''$ wire $1\frac{1}{4}''$ long, what will the wire cost at $3\frac{1}{2}$¢ per pound, sufficient to make 1 gross screws, allowing 35% for waste?