

(which is frequently heard) and similar ones, also places the person. I even saw, altho' for the first time in a first class hotel, a man come to the table without a collar and carrying in his hand a copy of the kind paper Police Gazette, than which no other paper is published in America, in fact, its entrance into Canada is forbidden. Such a state of affairs is impossible in the east; there the acquisition of a competency and more so for wealth depends not only perseverance but brains, here nature's wealth in its virgin state is seized, immigration settles the lands, which rise in value, railroad built, towns started & boomed - all done with eastern capital - and the result is "rich" people - many of whom now wear collar & cuffs, "frocks" & diamonds & other good jewelry. - These people have the significant name of being "rustlers." - The liberty of the United States has in many instances degenerated. Take the liquor question. When it is allowed to be sold in a state or country there is little or no restriction to its sale, neither in number of <sup>(houses)</sup> places where it is sold nor in the houses for sale. This is the cause of new towns and the cause of much depravity & frequently of bloodshed, for in such towns it is impossible to have such municipal or police control as in older ones. - My extensive travels in this country have unmistakably shown to me that there are more slots and traps proportionally in the United States than in Canada - and this key is the reason thereof. Although Canadians are not so enterprising as the Americans yet their morals are purer, - the preference. -

Monday! 17  
fine

At 9:00 a.m. left for Carleton Observatory at Northfield Maine, & arrived there at 11:17. I found that Miss Byrd at the observatory had been succeeded by Mrs. Wilson formerly of

Cincinnati, Miss Willard having charge of the time service. I examined the Repsold meridian circle just mounted in the new observatory. The device for correcting small errors of the mean time clock was also examined, it consisted of a fine shell magnet about three inches long attached to the pendulum (near the middle & parallel to it) and moving just above a coil of insulated copper wire connected with a <sup>3</sup> cell gravity-battery, having a switch for reversing the current, one current would act attractive to the magnet the reversed one repulsive & thus diminish or accelerate the vibrations. It is found that the battery current during eight minutes changes the clock correction by one tenth of a second. - In giving time signals to St. Paul & other railroad offices the clock beats from the 58 minute to 0<sup>m</sup> 45<sup>s</sup>, and by putting the forward point of sunbeam connection behind, making a reversed relay, the clock itself breaking circuit yet making circuit on main line. This has the advantage that the main line is otherwise open & operators can not interrupt the beats. After dinner went up again & then found Director W. W. Payne in with whom I had a pleasant chat, he accompanied me down town just prior to my departure introducing me to some of the prominent men. I was with him in the bank that was attacked in broad day light by the bandits Josee James & alias & was shown of their revolvers, &c. -

Returned to St. Paul at 6 P.M. & left at 7:30 for Chicago. - I advised our Pullman Agent. It seems that each succeeding one exceeds its predecessor till a heavy has been reached that borders on perfection.