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An Unjust Ruling.

Last February when the president set aside the entire western part of this county and parts of Grant and Sierra counties for a forest reservation, it was generally understood that sheep and goats would be excluded therefrom, but the order for their exclusion was not enforced until about ten days ago and the owners of such animals had begun to believe that no such order would be made—at least before spring; but they were disillusioned in a very abrupt manner when the notice was given them to vacate as soon as possible. This senseless and pernicious ruling of the department of the interior is an outrage and a crime. It is the most unjust discrimination that could possibly be inflicted upon a community of law-abiding citizens. There are at this time upon the Gila river forest reservation between 75,000 and 100,000 head of sheep and goats, mostly in small flocks owned by poor homesteaders who have suffered all sorts of injury and misfortune at the hands of hostile Indians, highwaymen and the natural elements, who have patiently and resignedly held forth in hopes of reaping a reward for their trials in the end, but they are doomed to disappointment. After risking their lives and property in making the country worth the attention of the government, a department of that government steps in and deprives them of the privilege of the enjoyment of their hard

earned gain. As a result of this order fully 75 poor men, who have only a few head of goats and sheep, and who have little homes upon the reservation which they have made under most adverse circumstances, will have to abandon and in many cases lose outright, while they will have to go out and seek anew for a place to pass their few remaining years.—Socorro Chieftain.

The Chieftain is a staunch Republican paper.

Winter Irrigation.

The Experimental Station of the University of Arizona has demonstrated the practicability of winter irrigation in the orchard. The following are a few extracts from bulletin number four: "The object of the experiment was to ascertain how much summer irrigation might be rendered unnecessary by the application of an abundance of water during the winter. The orchard selected was irrigated by the furrow system eight times from December to March. The last irrigation, during the latter part of March, was an especially thorough one. As soon as the soil was thoroughly dry, to check evaporation, it was harrowed crosswise of the furrows, and was cultivated twice and plowed and harrowed once during the next three months. During the latter part of June the orchard was given a light irrigation, but received no more irrigating water during the remainder of the season. The conditions above ground were very satisfactory. The trees

grew thriftily and maintained a vigorous appearance throughout the season. The trees were well loaded with fruit, the peaches and apricots being larger than the previous year when the orchard was irrigated frequently during the summer. The quality of the fruit was excellent. At the close of the season, though having received but one irrigation since March, all the trees were in fine condition. The results of this experiment indicate the value of filing the soil during the winter."

Recent experiments with improved instruments for measuring the velocity of projectiles have shown that the speed goes on increasing after the missile has left the mouth of the cannon. Leaving the muzzle with a velocity of about 147 feet in a second, a projectile has been observed to increase its speed to about 1,689 feet per second within the first six feet. It is only after having traveled about twenty-five yards that the projectile's velocity becomes reduced to the speed that it had on leaving the muzzle. This is ascribed to the impulse of the expanding gas being left for some distance beyond the cannon's mouth.

It is stated in eastern financial journals that large producers of copper in the Lake Superior region have purposely allowed the price of copper to decline to 17 cents for the purpose of discouraging small operations and mines producing on a very small margin of profit, in order that the price may be maintained at present prices.