PROVO.

A Forger Sentenced.—The DeMott Farce.—Picking Coin Out of Provo Dust.—Jordan Dam Commission.

Regular Correspondence.

PROVO, April 12.—The district court room has lost its attractiveness for a large number of spectators, especially of the feminine gender, since the culmination of the Nelson case. The following business was transacted in the court yesterday:

Emil Rosenwall was sentenced to one year each on three counts of forgery, uttering a forged check and passing a forged check.

In the Erich Rosenwall forgery case the jury reported to the court they could not agree, four being for conviction and eight for acquittal. The court instructed them to return a verdict of not guilty, the evidence being insufficient to convict.

The case of the People vs. Hector Green, horse stealing, was continued for the term.

A venire for eight jurors, returnable instanter, was issued. Following are the jurors: A. J. Nelson, Castle Gate; Rod Wheeler, Silver City; Thomas D. Mariell, Spanish Fork; George Sheppard, Lovan; N. N. Brown, Koreas, Thomas Orr, Nephi; Walter Sears, Springville, and W. D. C. Marsden, Spanish Fork.

The case of the People vs. Eugene De Mott was a burlesque. De Mott was charged with obtaining money under false pretenses by selling a horse and buggy belonging to James E. Lee, an Ogden insurance agent, to W. P. Bennett; De Mott having been in Lee's employ. On the witness stand Bennett claimed to have bought the horse and buggy through Johnny Lewis, who represented him as an agent. But he admitted there was no contract of principal and agent, written or verbal, between him and Lewis, but, he explained, "Mr. Lewis denoted by his actions that he was acting as my agent, and actions speak louder than words." Lewis paid De Mott $65 for the outfit, and Bennett paid Lewis $85 for it. The buggy was replevined from witness by Mr. Lee. Other evidence was offered, and there was some bickering between the attorneys as to who started the case. Finally the jury was instructed to return a verdict of not guilty.

On this charge De Mott was confined in the county jail three months without a hearing. He has a $10,000 suit for false imprisonment against Bennett pending in the court, and talks of commencing another against county officials. The trouble all originated from a dispute as to wages between him and Lee, he claiming that Lee allowed him the horse and buggy for wages due, and in consideration of his gold watch and chain, which Lee got out of pawn for $8 in Salt Lake City. King & Hoaks are his attorneys.

NOTES.

Among other improvements at the R. G. W. depot, an old platform is being torn up. The other day, a $10 gold piece and several other coins were found in the dust beneath the planks.

The Jordan dam commission is in session to appraise the damages done to Mr. Aiken, one of the land owners on the shore of Utah Lake, through the raising of water by the Jordan dam.

Marriage licenses have been issued to Jesse W. Groesbeck and Hilea McKenzie of Springville, and Alonzo H. Leibengood of Harper and Eliza Smith of Springville.

Today's Probate Court.

This morning Judge Blair had before him the following matters:

Estate of H. F. Allen, deceased. Order made for family allowance.

Estate of Robert Simpson, deceased. Order of sale of real estate.

Andrew Jackson Allen, deceased. Hearing on executor's final application and petition for confirmation of sale of personal property. Order made confirming sale.

TILE DRAINAGE.

Size of Tile and Distance Apart as Affected by the Character of the Soil.

It is important to secure free drainage of flooded lands on one hand, and to avoid needlessly expensive size of tile on the other. Practical farmers will therefore be interested in the following facts and suggestions from Country Gentleman:

The common distance of drains from each other where thorough work is intended is about two rods, each one draining off the water a rod on each side. An acre in a strip of land two rods wide would be eleven rods long. The size of tile to drain this acre will of course vary with the descent of land. A 2-inch pipe

FIG. 1—DRAINAGE IN STRATIFIED SOIL.

tile will do it, with a descent of 1 foot in 50, provided the tube is perfectly smooth and straight, but with ordinary roughness of surface the descent should be about 1 foot in 19. A 3-inch tile would be required with a descent of 1 foot in 40 or 50, and also when it must require several branches. The aggregate length of the branches will be reckoned the same as of a single drain of equal length.

In making estimate of the required size of the tile it is necessary to take the rate of descent into the calculation. A mechanic's level will answer the purpose, using a graduated pole to measure the height and a tapeline for measuring distances. The following table, giving the size of tube for different slopes, will aid in the estimate:

A rise of—	With 1 foot—	Will the tube be 1 inch in diameter to drain acres—
2 inches	is 16	80
2 inches	is 24	80
2 inches	is 30	120
2 inches	is 36	160
2 inches	is 40	160
2 inches	is 50	200

Intermediate rates of descent may be estimated with sufficient accuracy in common practice. The rough and uneven surface of the tile will reduce the amount of water discharged from one-third to one-half—more in the smaller than in the larger pipe. In very short drains the quantity would be somewhat less, as some length is required to give the water sufficient velocity. When small quantities of water are carried off, pipe tile will act more efficiently than horseshoe tile.

The distances apart and the size of the tile will be controlled more or less by the character of the soil. If stratified or deposited in layers, the water will flow in a horizontal direction more freely than when no stratified soil exists. A compact clay soil will be more slowly drained than a porous one, and a smaller pipe may be used, or the drain may be of greater length. It will be observed that after the soil has been suddenly flooded by a heavy rain that portion nearest the ditch will first discharge its surplus into the ditch, and this becoming dry will then receive the water from the soil more remote, and consequently in wet seasons the crop will be most benefited near the drains, and less so in the space between them. There may therefore be occasions where soils will not part with their surplus freely, where more numerous drains may become necessary. Of this the owner must judge by personal observation.

FIG. 2—DRAINAGE IN UNSTRATIFIED SOIL.

In the sketches Fig. 1 represents the drainage effected in a soil stratified, the ditches draining the water off first at the top and near them, and afterward more completely from the whole inclosed space. Fig. 2 is the section of a drain dug in an unstratified soil, where the whole is gradually drained alike. These unlike soils, operating in an unlike manner, affect the estimate to be made in determining the size of the tile, but the descent or slope is the most important matter to be taken into account.

A Simple Way to Sterilize Milk.

The following is a simple plan for sterilizing milk, which is recommended by an English authority: Place the milk in a flask, inserting a wad of cotton wool in the neck about one inch long and nicely packed. Then dip the flask in some water in a saucepan, with the neck leaning against the side above the water, and boil for twenty minutes. If on the following day the milk is similarly heated for twenty minutes, it will be sterilized, and can be kept in the flask just as it is for weeks. He says he has long used this method, and finds that the milk keeps sweet indefinitely.

Cotton in Oklahoma.

In Oklahoma the total area devoted to the cultivation of cotton in 1889-90 was 1,109 acres and the production of cotton 425 bales, being at the rate of 0.38 of a bale to the acre, or 152 pounds to the bale. With the exception of Greer county, which is in dispute, being claimed by Texas and with a population 20 of the 425 bales, the county was not created for some in bale production was twenty-nine until 1890.—Farmers' Review.

HANDLING BARBED WIRE.

Pins for Winding and Laying Wire as Devoted to Hand Use Today.

To take up barbed wire is a most disagreeable duty that has to be done on most farms where a temporary fence has been thrown around a crop for a year or two. Those who have done it by winding it back on the wood by hand have found it a tedious and laborious job, which have been very sore for days, so that they do feel the name of barbed wire.

FOR WINDING BARBED WIRE.

A correspondent of The Rural New Yorker, however, has found an easy plan for handling barbed wire with the aid of the machine shown in the cuts. He gives the assurance that it is as neat matter to hold the single framework seen in the first cut and to wrap it through the rails A A, as the bottom of a hand cart, which most farmers possess.

CART FOR WINDING BARBED WIRE.

Now put the spool on the crank, C, which lifts out of the slot, B, then one man pushes the cart and another turns the crank, and the taking up of any amount of wire is a pleasure and not a painful duty. The weight of spools, B B, are turned to lean ahead, so that when the cart handles are raised for pushing the frame stands perpendicularly, and when at rest the weighted spool rests ahead of the center, so as not to upset the cart.

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