

# ARNOLD FLUME WORK STARTS

Irrigation Company Begins Construction of New Flume.

FINISHED BY AUGUST FIRST

Facts and Figures Pertaining to Flume under Construction Show It the Best to Be Had—Engineer G. S. Young in Charge.

The Arnold Irrigation Company has let the contract for the construction of its new flume from the Deschutes to its canal south of Bend. George Lowell, of Bend, who has had extensive experience in such work, has been awarded the contract and construction is now in progress. George S. Young will be the engineer in charge for the company.

From L. D. Wiest, who has drawn up the plans and specifications of the flume for the Arnold Irrigationists, the following data concerning it has been obtained. The flume will be one mile in length, 12 feet wide and three feet deep, with a water capacity for 10,000 acres. Its cost will approximate \$15,000.

The footings of the new structure are to be 3x3 feet, flooring and sides of two inch material, the yokes composed of a sill and a joist each 14 feet by 4x4 inches, and four standards four feet by 4x2 inches. There will be two 16-foot stringers 10x5 inches outside and two 10x6 inches inside. The trestles are to be eight feet apart, and there will be both cross and lateral bracing.

The flume, it is understood, will be the best that money can buy and for its capacity will be unsurpassed. August 1st is the date set for the completion of the work.

Already the Arnold company has sold water for over 6,000 acres, while some 10,000 acres are owned by the stockholders. The company, it is understood, is in very prosperous shape, and anticipates much this summer. Already a considerable force of men and teams is at work extending the Pine Forest lateral eastward, while it is understood that extension of the north lateral will be undertaken this summer.

## STRONG PULSE BEATS.

Cases in Which They Are Perceptible to the Eye.

"It is not such an uncommon thing," said a physician, "to find a person whose pulse beats can be plainly seen, and yet I suppose there are but few outside of the profession who realize the fact. In most persons the beat of the pulse cannot be perceived, but the mere fact that the beating is perceptible does not mean that the pulse is other than normal. I have come across a number of cases where the throbbing of the wrist could be plainly seen, and yet the persons rarely gave evidence of abnormality in temperature. They were rarely feverish and were in good physical condition generally. Pulses of this kind, from this view, which is based upon actual observations of cases, do not indicate anything more than an abnormal physical condition in the formation of the wrist veins.

"I have met with one case which was possibly a little extraordinary in that it was platonic and much more distinct than any I had ever seen before. It could almost be heard. The artery

would rise to a point almost as large as the ball of the little finger of a child and would change from the white of the skin to a blood purple with each beat of the pulse. I found it easy to count the pulse beats without touching the patient's wrist. I could see plainly enough to keep the record, and in order not to err in my calculation I tested it in several ways and found it was correct and that there was no mistake in my counting with the naked eye."

## THE ARTIST WON.

His Nerve and His Drawing Combined Made the Editor Meek.

The editor had given the artist an order to illustrate the story and had drawn a rough diagram of the kind of sketch he wanted. It must show a deer vaulting in a high leap over a clump of bushes. The artist read the manuscript, made the picture and sent it in. It was well done. The deer was a magnificent fellow, with a pair of antlers that the most ambitious buck might well be proud of. The editor took one look at the drawing and then in disgust returned it to the artist, with a letter stating that the figure must be redrawn because "the story plainly states that the buck was a yearling, consequently he would have had only spike horns and not the kind of antlers you have depicted."

The artist was not, however, dismayed. He stood pat for antlers. With courage born of immovable conviction he returned the drawing unaltered to the editor and wired him: "Composition demands antlers. Change manuscript to 'three-year-old buck.'"

The editor was struck so dumb by this manifestation of nerve that he actually took time to study the drawing. He let his imagination picture the spike buck instead of the majestic antlered beauty and meekly decided that the artist knew a thing or two, so the editorial blue pencil was brought into requisition, the buck gained two years in a less number of minutes, and the periodical lost nothing by the change.—New York Press.

## Obedient Instructions.

Mr. Dabbs was still out at 2 a. m. Unable to wait calmly any longer, Mrs. Dabbs began pacing the hall. She had gone back and forth about thirty-seven times when she heard a thump at the back door.

She walked back and peered through the glass. It was Mr. Dabbs, all right. He seemed to have fallen in the mud two or three times.

She let him in and steadied him upstairs.

"Why did you come to the back door?" she asked.

He collected his fugitive wits before he answered.

"There is a sign in front which says that all packages must be delivered at the rear," he said.—St. Louis Post-Dispatch.

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# A PIONEER AERONAUT

The Brave and Daring Frenchman Pilatre de Rozier.

TRAGIC END OF HIS CAREER.

He Was the First Aeronaut to Lose His Life From a Balloon, and He Was Dashed to Death With a Companion From a Height of 1,700 Feet.

Jean Francois Pilatre de Rozier, who was born at Metz in 1756 and who was killed, a martyr to his zeal, by a fall from his balloon at Boulogne, France, June 15, 1785, was the first aeronaut to lose his life in the dangerous work of mastering the air.

Pilatre de Rozier, who had made ascents in the Montgolfier balloon, determined to solve the question of balloons as mediums for carrying passengers and could think and dream of nothing but how he could fashion a machine that would carry him on an aerial voyage. When his balloon was finished he made some twenty-three ascents, nearly always alone, but occasionally accompanied by the Marquis d'Arlandes, a brave soldier and one who had faith in Pilatre's ideas. The balloon was always held captive by strong cords.

Whenever he went up there was a crowd to watch him. One day there was a thrilling moment. The balloon drifted toward some high trees, and it seemed inevitable that the tissues would be torn by the branches and Pilatre dashed to the ground. They saw the young man calmly throw a bunch of straw on his fire and quickly pour over it two small bottles of oil. Instantly the fierce heat sent the balloon up safely, and it swept beyond the danger line of the trees. A mighty shout went up from the crowd, and when he came down Pilatre had an ovation.

He now felt ready to make his grand experimental trial trip, but the king would not allow him to go, as he feared to lose so brave and scientific a man. Pilatre was in despair, and at length the king said that he would give him the opportunity to test the safety of his balloon in the following way: He would give full pardon to any two criminals who were willing to go up in it, provided Pilatre did not himself go.

The scientist was very angry. He said: "What! Shall vile criminals, foul murderers, men rejected from the bosom of society, have the glory of being the first to navigate the air? Never while Pilatre de Rozier draws breath!"

After repeated prayers for permission to make his experiment he appealed to the influence of the Duchess de Polignac, the governess of the royal children. To her petitions the Marquis d'Arlandes added his and asked to be allowed to accompany Pilatre. At length consent was obtained.

On Nov. 21, 1783, Pilatre and the marquis made an ascent from the gardens of the Chateau de la Muette, in the Bois. They sailed safely across the Seine, over the Hospital for Old Soldiers, over the Military school and landed about five miles from Paris. Their return was greeted with wild enthusiasm.

The marquis rode back, but Pilatre had to go first to his house and get a coat, for some one had stolen his in the mixup of their coming down, when the balloon, of course, collapsed.

Pilatre now announced that he would cross the channel from Boulogne to England. A wealthy Frenchman advanced the money to construct an improved machine that he was certain could stay in the air as long as necessary. This new invention was a balloon filled with hydrogen gas. Under it was a cylinder which he expected to rarify the air contained in it so that he could either ascend or descend easily and so reach currents of air that would take him in any desired direction.

It was five months before there came a day suitable for making the aerial trip. A physician who loved adventure and believed in the success of the experiment went with him from Boulogne.

They cut the cords that held the balloon at 7 o'clock in the morning. The ascent was majestic, and when at a height of 200 feet the balloon swept into a current of air that took it toward the channel. Suddenly a cross current swept it back.

Pilatre hastened to let some cold air into the cylinder and in some way made a rent in the balloon. They were 1,700 feet high, and instantly they were dashed to the earth, mangled and crushed frightfully.

France still remembers his enthusiastic faith in his scientific efforts, and in many places are memorials and inscriptions that perpetuate his fame.—Boston Globe.

**The Dental Ornaments.**  
Visitor (passing through dining room with little Tommy, discovers mince pie on sideboard)—Helgho, but that's a fine pie! Who made it?  
Tommy—Gran'ma; she always makes the pies.  
Visitor—Does she, indeed? Well, I'd like to get my teeth into that one.  
Tommy—You would, eh? Well, gran'ma's got ahead of you. Don't you see the prints of her'n all around the edges?  
—Boston Courier.

**Trespassing.**  
"You accuse this visitor of trespassing in your garden?"  
"Yes, judge. I caught him among my air currents."—New York Herald.

Wind puffs up empty bladders, opinion fools.—Boerhaave.

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