



LOOKING DOWN

A 100 per cent grade. The Royal Gorge incline railway near Canyon City, Col. It is 1,525 feet long and is said to be the steepest outdoor passenger incline railway in the world. Last month it began carrying passengers from the brink of the Royal Gorge Canyon to the Arkansas river about 1,000 feet below.

ENGINEERING

Engineers Camouflage Arlington Bridge Draw

ENGINEERS put a span in the Arlington Memorial bridge and then hid it. So cleverly designed and camouflaged is the million dollar, double bascule draw of the Arlington bridge which is nearing completion here that it is difficult for one to tell the span made of steel that parts in the middle and rises to allow ships to pass, from the eight other graceful arches made of concrete and faced with Georgia's Stone Mountain granite.

The erection of such a bridge of monumental pretensions with a bascule draw span that harmonizes with the rest of the structure and does not detract from its beauty is thought by engineers to be unprecedented in bridge building.

The picture on the front cover presents an unusual view of the Washington leaf of the span. The floor of the huge raised leaf is approximately 103 feet long and 90 feet wide. It is balanced by about 2,440 tons of counterweights.

Science News Letter, December 6, 1930

ROETGENOLOGY

X-Rays Can Detect Disease In Many Parts of Body

PEOPLE generally do not yet know how valuable the X-ray is in detecting disease of almost any part of the body in its early stages, when the chance of cure is greatest, said Dr. Joseph Colt Bloodgood of Johns Hopkins University at the meeting in Los Angeles this week of the Radiological Society of North America. At the present time there is no cure or management of cancer, except surgical removal with or without irradiation, or irradiation alone, he said. Cancer, however, is not the only disease in which X-rays have proved their usefulness. Dr. Bloodgood pointed out other conditions for which they are valuable.

"The moment there is any change in a bone, either of bone formation or bone destruction, it will show in an X-ray plate," he said.

"Everyone should know that a root abscess may be present in a tooth without pain or swelling. There may be

no gum boil or looseness of the tooth. The blood poisoning from that root abscess may cause rheumatism, indigestion, heart disease and many other troubles. It is good protection to have X-rays taken of your teeth at as frequent intervals as your dentist suggests."

Dr. Bloodgood also explained the value of X-rays in making early diagnoses of tuberculosis, gall bladder and kidney disease, cancer of stomach or intestines as well as cancer in more accessible parts of the body.

X-rays can find early signs of tuberculosis of the lungs, even before the victim appears to be ill, Dr. Karl E. Koenig of Seattle said. This is particularly important in detecting tuberculosis in children.

"Medical authorities know that tuberculosis of the lungs may be present for months and even years before there are definite symptoms," Dr. Koenig explained.

Science News Letter, December 6, 1930

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