

## CULLERS' EXAMINATIONS.

FOLLOWING is the list of successful candidates in the log cullers' examinations, held at Callender on August 14, and at Parry Sound on August 21. There were in all 66 applicants, of whom 41 were successful: William Adams, Westmeath; J. Armstrong, McKellar; Robert Brown, Starrat; Hugh Beaton, Waubaushene; Arthur Bailey, Parry Sound; J. H. Burd, Parry Sound; Samuel J. Bailey, Orillia; William L. Clarmont, Gravenhurst; Thomas Cahill, Nosbonsing; Manly Chew, Midland; James E. Cooper, Simcoe; L. P. Didrer, Aylmer, Que.; Patrick J. Devine, Sheenboro', Que.; Joseph H. Errington, Sundridge; Henry J. Edgington, Parry Sound; James Eager, Parry Sound; William H. Featherstonehaugh, Penetanguishene; W. H. Gillespie, Cook's Mills; William Greyfire, Huntsville; David Ganton, Trent Creek; William J. Hogg, North Bay; E. P. House, Fabrice; Walter Hawkins, Pembroke; James Howard, Eganville; William A. Johnson, Castleford; Henry Jerris, Wisawasa; John Kendrick, Burk's Falls; John L. Kennedy, Burk's Falls; George F. Loring, Coldwater; Daniel Matheson, Chelmsford; William Milne, Ethel; William McGaw, Callender; L. McMillan, Callender; John L. McDermott, Orillia; Charles M. McDonald, Pembroke; Benjamin McPhee, Pembroke; John E. Magee, Parry Sound; Charles Ramsey, Sudbury; Arthur Rankin, Cache Bay; Gavin F. Turner, North Bay; Joseph Tilson, Burk's Falls.

## A CLOSE CALL.

ANOTHER narrow escape by an engineer: He was inspecting one of a pair of boilers. The water had been blown out of one, and he entered it through a small manhole in the head. After finishing his work he called out to his assistant to turn on the cold water, thinking to make his way out immediately. By mistake the fellow turned on the scalding, streaming steam from the other boiler, the hissing and pouring of which made a doubly dense roar in the resounding cylinders, and coming at the entrance of the manhole effectually barred the exit, and made escape from a terrible death almost impossible. Creeping as close as he dared to the seething steam he shouted to his aid to turn off the water. He could hear the fellow moving around among the pipes, but waited in vain for him to come. The man had not heard him. His voice was stopped by the hissing, boiling, mocking water. It was rising among the pipes, at his feet. A few moments more, he thought, and he would have been cooked alive. There was but one chance left opened—to force himself through the scalding water and out the manhole. Delay any longer would be fatal, and he plunged face and hands through the cooking stream into the air beyond. Just then the steam stopped. It had been turned off at last.

## A DIFFERENTIAL SPRING GOVERNOR.

A DIFFERENTIAL spring governor for steam engines is among the recent mechanical inventions of note, the device possessing the advantage of being applicable either to control a valve by which steam is admitted to the engine valve chambers, or to directly actuate the cut-off mechanism of any customary type of valve. In its construction there is a fulcrum lever, one arm of which connects the device with the valve or cut-off stem, and the other with a collar sliding upon the governor spindle. The governor balls, or weights, have short arms connecting with a bar fixed to and rotating with the spindle, and other arms extending outwardly on the opposite side connecting with the bar which is slidable upon the spindle and which actuates the movable collar. The angles formed by the levers—which extend out from the opposite side of the balls or weights—are internal angles, so that, as the balls are thrown outward, these balls are brought more nearly into a straight line with each other. A compression spring acts to return the parts when the centrifugal force is reduced.

A NEW material intended to be used as a substitute for leather in covering belt pulleys is made of wood pulp combined with various ingredients for making it tough and pliable. It may be secured to the face of the pulley in such a way that the rivets will not show through the working face.

THE trolley car was put to a new use in a near-by city one morning recently. A thief was escaping in a hack, and a policeman boarded a trolley car, and the motorman let her out in chase. The horse gave out first, and the thief was captured.

AN English lumber trade journal states that the Kauri pine of New Zealand has rapidly established itself in public favor and its consumption bids fair to improve considerably. It is being substituted in place of Californian red wood for several prominent cabinet, coach-building and shop-fitting purposes, and its many intrinsic qualities may improve upon a greater acquaintance. An excellent cargo of logs, planks and boards of Kauri pine was recently landed at Liverpool.

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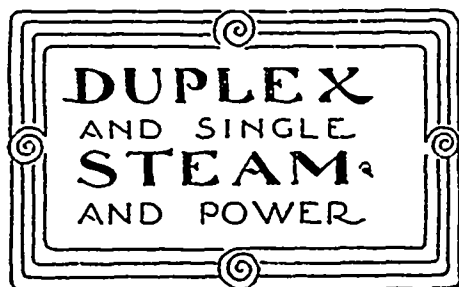
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