

inches wide, and to have good comfortable springs on each bed; also to be thoroughly equipped with a dispensary, operating room and all the necessary drugs, surgical implements and other equipment, and supplies incident to a modern first-class hospital. The contractor will also be required, as is provided by law, to maintain a headquarters or concentration prison office, to be the same style and equipment as the other prison, and to be of ample size and equipment to cover all emergencies that may arise from overplus of recruits; and will be required to deliver at headquarters prison all prisoners convicted and sentenced to the state prison, on or after January 1, 1910, until January 1, 1914, and there to record, measure, photograph and otherwise completely describe each and every prisoner so received, and to keep complete check of record relating to the prisoner and prison matters, and to be prepared at any and all times to furnish the commissioner of agriculture with any and all reports, information, etc., that may be required at any time, on any of the whole number of prisoners contracted for. All prisons and hospitals must be connected by telephone or telegraph or both with the regular telegraph lines of the state, so that they will be in connection with the commissioner of agriculture at Tallahassee, Fla.

The contractor will be required to advertise immediately any prisoner or prisoners who may have escaped, said advertisement to be accompanied with a side and front photograph of the prisoner advertised for, and in such other manner and form, and to such extent, as may be prescribed by the commissioner of agriculture, and to offer a reward for the return of each of said escaped prisoners of not less than \$100, the same to be paid for by the contractor, upon the delivery of any escaped prisoner by any person whomsoever, to the lessee or the prison authorities at the prison or camp from which the said prisoner escaped.

It is also required that each prison have connected therewith a well-cultivated vegetable garden, in season, of sufficient size and variety to furnish ample vegetables for all prisoners held therein.

At each prison the contractor must have at least two serviceable, well-trained blood-hounds or dogs for the purpose of trailing escaping prisoners.

#### Employees.

At least one guard for each five prisoners will be required and where prisoners are employed where mobility is necessary, every third guard must be mounted.

Each prison must be supplied with a warden or captain of sufficient ability to properly conduct or manage a prison or camp. In addition, one yard man, a night guard and a physician; the same as to a physician will be required at the hospitals. The physician or physicians at the hospitals must be by the approval of the commissioners of agriculture.

It is understood that the state of Florida is to be at no expense of any nature on any of the above, and that all of the requirements under the contract to be made, and additional rules and regulations, will be strictly supervised by the proper authorities of the state and that during the term of said contract, the state of Florida, though their proper officers, retain absolute and full control of the whole number of prisoners contracted for.

It must be understood in submitting a bid, the proposed obligation under bond, to

carry out all of the above provisions as well as any other requirements that the board may see fit to embody in said contract, at his own expense and in addition to the per capita per annum, amount agreed by the contractor, to be paid to the State of Florida for the hire of state prisoners.

The state will undertake, however, to relieve the contractor of the per capita charge on prisoners, while confined in the central hospital upon proper authority, but will not relieve the contractor for any unearned time of escaped prisoners, except as the board of commissioners of state institutions may deem proper to grant, upon the investigation of each individual case by said board.

Anyone presenting a bid for the hire of state prisoners is required to name therein the per capita per annum price he or they agree to pay the state of Florida for all state prisoners subject to all of the above conditions, with the express understanding and agreement that the board of commissioners of state institutions shall, if authorized by law, have the right at any time they may desire to withdraw from said lease all women and invalid male prisoners, and from the time of the withdrawal of said women and invalid male prisoners, the lessee shall pay 15 per cent additional, on the per capita amount of said bid, as made under the terms and specifications herein set forth.

The commissioner of agriculture and board of commissioners of state institutions reserve the right to modify any contract for the hire of state prisoners, to the extent of leasing only those capable of performing reasonable service at manual labor.

The above schedule was approved by the board of commissioners of state institutions on January 28, 1909, and the commissioner of agriculture was directed to furnish copies of the above to any and all applicants desiring the same, with the purpose of bidding for the hire of state prisoners.

B. E. MFLIN,

Commissioner of Agriculture.

#### HARNESSING THE HEAT OF ELECTRICITY.

It is an impatient, speed-mad age, and electricity, quicker even than light, is the one agent to faithfully keep the pace a hustling people has set. This insatiable demand for speed has done more to further the wonderful development of electricity in the past few years than any one thing. In this "press-the-button" age both necessities and luxuries are demanded at the touch of a finger.

The mails are too slow, and electricity must carry the messages through the air over the seven seas!

Steam power is too cumbersome, and electricity must bear the burdens!

Oil and gas are too inconvenient, and electricity must give light!

Last of all, coal has been pronounced archaic and electricity must give heat!

There is no time to waste over slow fires. The demand is for instantaneous heat and plenty of it. Electricity, which has answered all the problems of speed, has been called upon and the result is a long list of electric radiators and electric heating and cooking devices.

No more mysterious source of heat can be imagined than that afforded by electricity. Without flame, smoke or gasses, it is ready in an instant and can be regulated at will from a slight warm to the car-

bon-melting temperatures of the electric furnace. The convenience, speed and cleanliness of electric heat has led to many new developments in electric household devices.

Among the latest heating devices which have been perfected for the home are the instantaneous water heater; the electric curling iron heater; the electric hair dryer; the new electric oven; the electric corn popper; shaving mug; luminous radiators and electric tea kettles. These added to the number of frying pans, broilers, cookers, cereal cookers, toasters, etc., already in use make the electric kitchen practically complete. There is no longer any need of a fire in the house or a chimney on the house. The building can be easily heated by electricity. The cooking, washing, ironing and scrubbing can all be done by electricity. Water is heated to a boiling point as fast as it can be drawn. A turn of the switch and the irons are hot. A press of a button and the dinner is cooking. At the weight of a finger the house is warmed, ventilated or lighted. With the same ease and speed the small electric motors will do the washing, re-frig-erating, grinding, chopping, ventilating, refrigerating, freeze the ice cream, sweep the floors, clean the house, carry the coal or sift the ashes.

The instantaneous water heater can be attached to any wash stand or water pipe. The flowing water passes over the heated surfaces and is quite hot by the time it reaches the outlet. There could be nothing quicker or more simple than this electric convenience. Another new device is the electric hair dryer. After miladi has washed her hair a press of a button starts the hair dryer and a fine breeze of hot air quickly dries the damp tresses. This device contains a small fan and two electric heaters. The cold air passes over these heaters before it is projected from the machine by this fan. Then the curling iron heater is ready to keep the little iron at just the right temperature for dressing the hair.

The shaving mug is specially designed for the travelling man who wants a quick shave in the morning. The water is heated in short order and the cup is built in sections so the soap dish can be removed making the same vessel answer for a pint water heater.

The electric corn popper makes it possible to pop corn on the parlor table and never mar the varnish. This handy device is equipped with small rubber wheels and a short wood handle so it can be easily oscillated. A wire screen keeps the popping kernels from flying about the room.

The electric oven, which has lately been improved, is now very quick and economical. There is no waste of heat and the foodstuffs are always baked evenly. The new tea kettles are handy and easily keep a supply of hot water always on hand, as after the water is heated, it takes but a little current to keep it hot.

The electric sterilizer and bandage heaters are the latest acquisitions to the sick room and are of fully as much service as the electric heating pad and milk warmer.

The luminous electric radiator, introduced in this company by the General Electric Company, is the most perfect source of heat known. At the snap of the switch the radiator gives a flood of radiating heat and a cheerful glow without gasses, odors and fire dangers. The heat radiates through the air warming the

room many times quicker than other heaters or stoves of the non-luminous sort which depend upon setting up warm currents of air.

Evidence that electricity is a source of heat is taking a very important place in this impatient world is that the Eagle hotel, in Grad Rapids, Mich., has been equipped with luminous electric radiators. It is the first hotel in the world to be heated with electricity. Nearly five hundred homes in the same city are using electric devices and other electric heating apparatus. In nearly every city or village boasting of an electric light plant the electric heating and cooking devices are being utilized. The Hillman house in Schenectady, N. Y., and the home of J. E. Davidson, in Montpelier, Vt., and M. Georgia Knap, of Troyes, France—the Sinsbaugh house at Carroiton, Ill., are entirely equipped with electricity, and the results have been even more satisfactory and economical than when under the old system. A number of the large restaurants in this country and abroad have installed electric kitchens. The bachelor-girl, the plain, old-fashioned masculine bachelor, have adopted the cooking devices and now they cook their own breakfasts and luncheons in the time it formerly took them to walk to the restaurant. The tailors and laundries use the electric irons; the doctors use the electric heating devices. Soldering irons, branding irons, glue pots and a thousand other things are heated by electricity.

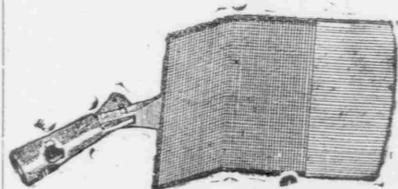
As electricity dominates the world of light and power today, tomorrow it will be the principal factor in the world of heat.

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