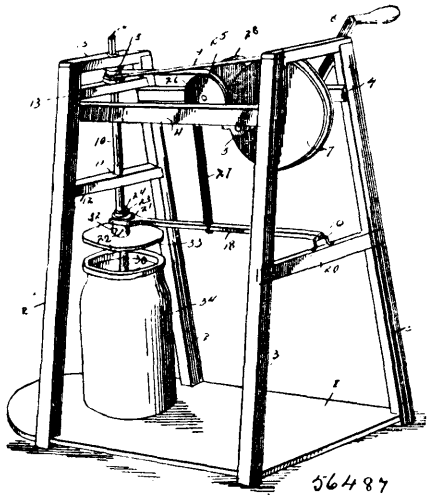
ceptacle having a steam inlet and outlet and a water outlet, substantially as specified. 2nd. A steam and water separator composed of a receptacle, troughs contained therein, a water pipe connecting with the receptacle, and a pair of counterbalancing vessels, adapted to be brought into alternate communication with such pipe, substantially as specified. 3rd. A steam and water separator composed of a receptacle, troughs contained therein, a return steam pipe and a water pipe connecting with the receptacle, a pair of counterbalancing vessels adapted to be brought alternately into communication with said pipes, and having weighed discharge cocks, and stops adapted to engage said cocks, substantially as specified.

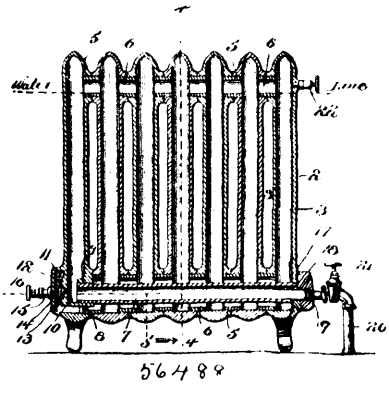
No. 56,487. Churn. (*Baratte.*)



William L. Wright, William H. Stracener and Hiram W. Stracener, all of Bettres, Texas, U.S.A., 5th June, 1897; 6 years. (Filed 7th June, 1897.

Claim.—The combination with a supporting frame provided with vertical guides, and a dasher staff mounted for rotary and reciprocatory movement in said guides, of a driven pulley arranged coaxially with the dasher staff and held from vertical movement, the same being provided with an angular bore through which a contiguous angular portion of the dasher staff extends, a driven pulley having a horizontal axis, a belt wheel having a horizontal axis arranged between the driving and driven pulleys with its upper side approximately in the plane of the driven pulley, a belt connecting the driving and driven pulleys and having its lower side carried over the intermediate belt wheel to arrange both sides of the belt wheel contiguous to the driven pulley in the plane of the latter, an oscillatory arm fulcrumed at one end upon the frame and having a swivelled connection at the other end with the dasher staff, and a pitman connecting the belt wheel with said arm.

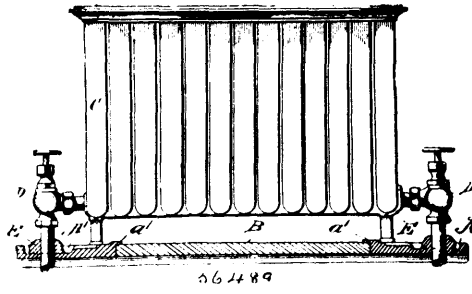
No. 56,488. Steam or Hot-water Radiator.
(*Calorifère à eau ou vapeur.*)



Wm. A. Seevers and Thomas Seevers, both of Oskaloosa, Iowa, U.S.A., 5th July, 1897; 6 years. (Filed 7th June, 1897.)

Claim.—1st. A radiator, comprising a series of upright hollow sections formed with opposite tubular columns or legs communicating with each other at the top and bottom, one of the end sections of the radiator being provided within its lower end with a partition separating the opposite tubular columns or legs of the section at their lower ends, and a horizontal steam pipe extending continuously through all sections of the radiator at the bottom and fitted at one end in said partition so as to communicate with one of the tubular columns or legs of said end section, substantially as set forth. 2nd. A radiator, comprising a series of upright hollow sections formed with opposite tubular columns or legs communicating with each other at the top and bottom, one of the end sections being provided within its lower end with a partition boxing separating the opposite tubular columns, and at one side of said boxing with an offset drain chamber, said boxing being provided in one side with a pipe-opening and in the directly opposite side with a drain opening, a suitably operated drain valve working within said drain chamber and adapted to cover and uncover said drain opening, a steam pipe extending continuously through the interior lower portion of the radiator and fitted at one end in said pipe opening of the partition boxing, a valved supply pipe connection with the other end of said steam pipe, and an air vent valve fitted to one of the end sections of the radiator near the top, substantially as set forth.

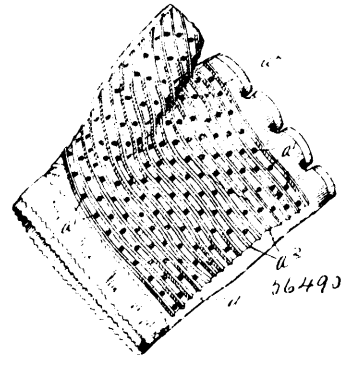
No. 56,489. Radiator Rest. (*Support de calorifères.*)



James F. Gorman, Wilkesbarre, Pennsylvania, U.S.A., 5th July, 1897; 6 years. (Filed 7th June, 1897.)

Claim.—1st. As an improved article of manufacture, a casting, comprising in a single element a combined rest for a radiator, a drip cup and a bushing, substantially as described. 2nd. As an improved article of manufacture, a casting, comprising in a single piece a body portion having a depression forming a drip cup, and a horizontal portion extended upon the same and forming a support for the legs of a radiator, substantially as described. 3rd. As an improved article of manufacture, the end piece described, comprising in a single piece a body portion with a depression forming a drip cup, and a horizontal portion extending from the same and forming a support for the legs of the radiator and having a flange, substantially as and for the purpose specified.

No. 56,490. Washing Glove. (*Gant à laver.*)



Josephine Chalfant, Winnipeg, Manitoba, Canada, 5th July, 1897; 6 years. (Filed 7th June, 1897.)

Claim.—1st. A washing mit or glove having perforations in those portions of its body with which the rubbing is done, as and for the purpose set forth. 2nd. A washing mit or glove having projections and perforations on those portions of its body with which the rubbing is done, substantially as described. 3rd. A rubber washing mit or glove having transverse corrugations on its palm and the under side of its thumb, and provided with perforations between the raised or projecting parts of said corrugations, substantially as described.

No. 56,491. Lasting Machine. (*Machine à enformer.*)

Sherman W. Ladd, Beverly, Mass., U.S.A., 5th July, 1897; 18 years. (Filed 7th June, 1897.)

Claim.—1st. In a lasting machine, in combination, upper working devices, a cutter mechanism having a plurality of cutter-blades sup-