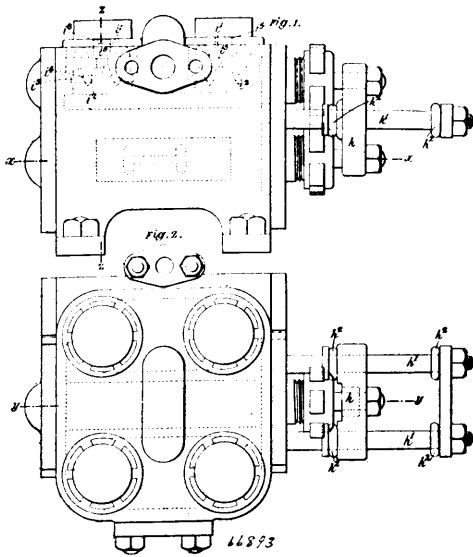


No. 66,893. Pump Valve. (*Soupape de pompe.*)



James McCulloch, Portreath, Cornwall, England, 3rd April, 1900
6 years. (Filed 21st March, 1900.)

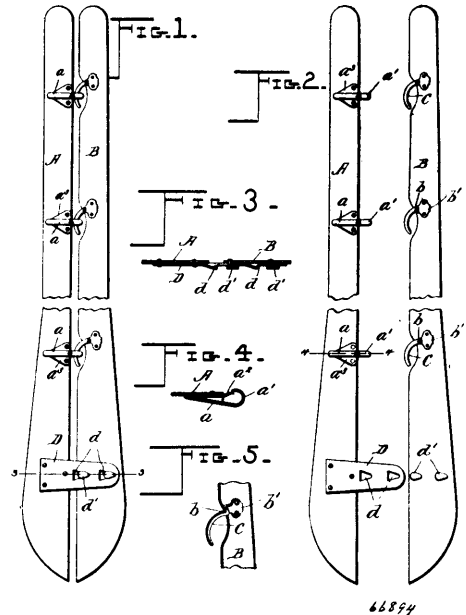
Claim.—1st. In a pump, the combination with a piston valve having a space at each end for motive fluid, of a working piston having two annular recesses, or ports on opposite sides of a central disc, or junk, a central exhaust port having an opening into the working cylinder, and subsidiary steam passages opening into the cylinder on opposite sides of the central exhaust passage and crossing each other to the spaces at the ends of the piston valve, substantially as described. 2nd. In a pump, the combination with a piston valve having spaces for motive fluid in its ends, of a working piston having two annular recesses, or ports, on opposite sides of a central disc, or junk, a central exhaust port having an opening into the working cylinder, subsidiary steam passages opening into said cylinder on opposite sides of the exhaust opening and crossing each other to the end spaces of the piston valve, and cushioning passages for live steam from one end space to the other, substantially as described. 3rd. In a pump, the combination of a valve, a working cylinder, spaces at the ends of said valve, passages leading from said spaces to said cylinder, means for causing the working piston to control said passages, and cushioning passages, extending directly between the said spaces so as to cushion the valve to and fro movements. 4th. In a pump, the combination of a piston valve, means for operating the same by motive fluid from the cylinder, spaces at the ends of the valve to receive said motive fluid, cushioning passages, extending between said spaces, and buffers for arresting the movements of the valves, substantially as described. 5th. In a pump, the combination with a working cylinder and piston, of a piston valve for said cylinder, live steam passages from said cylinder to end spaces in the valve and cushioning passages directly connecting said spaces, substantially as described. 6th. In a pump, the combination with a working piston and cylinder, the latter having a central opening communicating with an exhaust passage, of steam passages from the cylinder to end spaces of the piston valve, and cushioning passages connecting said spaces, substantially as described. 7th. In a pump, the combination of a working cylinder, two pump cylinders parallel therewith and on each side thereof, a cross head connecting the pistons of said pump and working cylinders, a distributing valve parallel with said cylinders, and means for controlling the distribution of working fluid from the working cylinder to the ends of said valve so as to reverse the latter, substantially as described.

No. 66,894. Corset Clasp. (*Agrafe de corset.*)

Joseph Gaudiose Dallaire, St. Laurent D'Orleans, Quebec, Canada,
3rd April, 1900; 6 years. (Filed 20th March, 1900.)

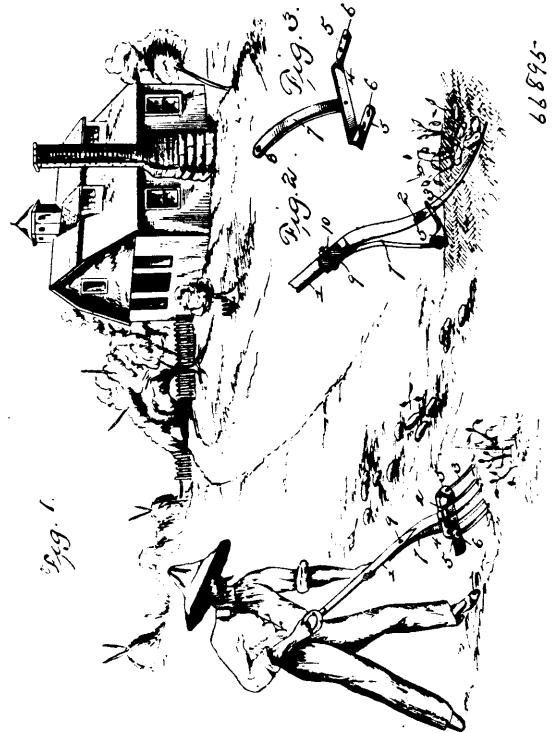
Claim.—1st. A corset fastener, comprising two corset clasps, one having the eye members and the other the hook members adapted to engage therewith, a plate secured to one of said clasps and having tapered openings, and a plurality of lugs secured to the other of said clasps and adapted to detachably engage said openings, substantially as described. 2nd. A corset fastener, comprising two clasps, eye members secured upon one of said clasps and having a hook portion and a spring snap adjacent to said hook portion, hook members secured upon the other of said clasps and adapted to

engage said eye members, a plate secured to one of said clasps and having tapered openings, and lugs having enlarged heads adapted



to engage and be retained in the narrowed portion of said openings, substantially as described.

No. 66,895. Potato Fork. (*Fourche pour patates.*)



Robert M. Michael, Lapeer, Michigan, U.S.A., 3rd April, 1900; 6
years. (Filed 20th March, 1900.)

Claim.—1st. The combination with a potato fork, comprising a handle, and a fork proper, of a fulcrum attachment having a transversely adjustable connection with the fork. 2nd. The combination with a potato fork, of a fulcrum attachment, which is adjustable toward and away from the fork. 3rd. The combination with a potato fork, comprising a handle, and a fork proper, of a fulcrum attachment having perforations receiving respective prongs of the fork, and also having a connection with the handle of the imple