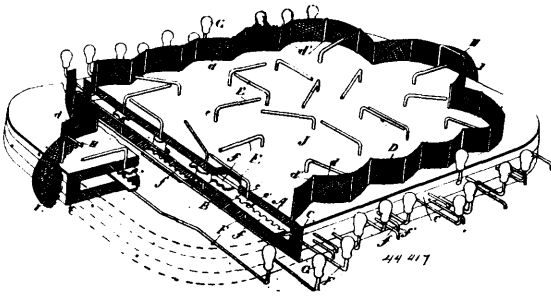


kind specified, subjecting the mixture to the direct action of steam, and compressing the mixture whilst in a moist and heated condition into blocks or briquettes, substantially as described. 2nd. The process of manufacturing blocks or briquettes of fuel which consists in intimately mixing powdered carbonaceous fuel with a binding agent composed of flour and lime, subjecting the mixture to the direct action of steam, and compressing the mixture whilst in a moist and heated condition into blocks or briquettes, substantially as described. 3rd. A compressed block or briquette of fuel composed of carbonaceous fuel combined with a binding agent consisting of organic material of the kind specified, and caustic alkaline material of the kind specified, in the manner and substantially in the proportions herein specified. 4th. A compressed block or briquette of fuel composed of carbonaceous fuel combined with a binding agent consisting of flour and lime, in the manner and substantially in the proportions herein specified.

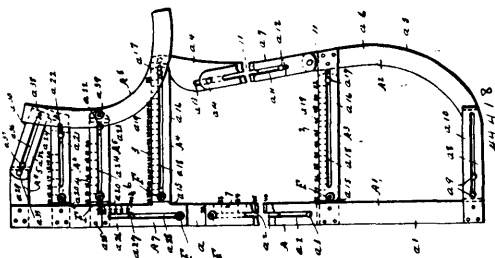
No. 44,417. Foot Ball Game. (Jeu de ballon.)



Thomas Knight, Islington, Ontario, Canada, 7th October, 1893; 6 years.

Claim.—1st. As a foot ball game, a board provided with two sets of pivoted arms interspersed, means for manipulating each set from opposite sides of the board, a fence to enclose the field and goals situated at opposite ends of the field, as and for the purpose specified. 2nd. The board A, provided with two sets of pivoted arms E, attached to or forming part of the spindle c , a pinion c^1 , on each spindle c , and racks f , meshing with the pinions c^1 , and secured on rods F , which are manipulated by knobs G , a fence D , enclosing the field and goals H , arranged at each end of the field, as and for the purpose specified. 3rd. The board A, provided with two sets of pivoted arms E, attached to or forming part of the spindle c , a pinion c^1 , on each spindle c , and racks f , meshing with the pinions c^1 , and secured on rods F , which are manipulated by knobs G , a fence D , composed of the arc sections d^1 , and goals H , comprised of the arched wires having pockets I , suspended as and for the purpose specified.

No. 44,418. Shirt. (Chemise.)



Terence J. Goodwin, Syracuse, New York, U.S.A., 7th October 1893; 6 years.

Claim.—1st. The combination with the divisional patterns for the back, yoke, sleeve, and bosom pieces of a shirt, of the herein described divisional pattern for the front piece of the shirt, the same comprising the lengthwisely adjustable side plate A^1 , forming one edge thereof, the lengthwisely adjustable side plate A^2 , having a curved edge and formed of the sections a^1, a^2 , the section a^1 , being composed of the division a^0 , having an edge curved at its base towards the lower end of the plate A^1 , and the division a^7 , having its base hinged to the division a^0 , the lengthwisely adjustable cross plate A^3 , between the plate A^1 and the upper end of the plate A^2 , and connecting plates, substantially as described, between the upper ends of the plates A^1, A^2 , substantially as and for the purpose described. 2nd. The combination with the divisional patterns for the back, yoke, sleeve, and bosom pieces of a shirt, of the herein described divisional pattern for the front piece of a shirt, the same comprising the lengthwisely adjustable plate A^1 , forming one edge thereof, the lengthwisely adjustable side plate A^2 , lengthwisely adjustable cross plates A^3, A^4 , connected, substantially as described, to the plates A^1, A^2 , the top plate A^0 , composed of the section a^0 , extending laterally from the side plate A^1 , and having one end

fixed thereto, and the section a^{30} , inclining towards the base of the side plate A^1 , and comprising the division a^{32} , hinged at one end to the section a^{29} , and the division a^{31} , having one end adjustably secured to the outer end of the division a^{32} , the lengthwisely adjustable cross plate A^6 , extending laterally from the side plate A^1 , and having one end fixed to said side plate and the other hinged to the division a^{31} , of the top bar section a^{30} , and a connecting plate, substantially as described, between the upper end of the side plate A^2 , and the division a^{31} , of the top plate A^0 , substantially as and for the purpose specified. 3rd. The combination with the divisional patterns for the back, yoke, sleeve, and bosom pieces of a shirt, of the herein described divisional pattern for the front piece of a shirt, the same comprising the lengthwisely adjustable side plate A^1 , forming one edge thereof, the lengthwisely adjustable side plate A^2 , lengthwisely adjustable cross plates connected, substantially as described, to the plates A^1, A^2 , the lengthwisely adjustable plate A^7 , consisting of sections a^{25}, a^{26} , one being secured to the plate A^1 , and the other to the plate A^2 , the top plate A^0 , composed of the section a^{29} , extending laterally from the side plate A^1 , and the lengthwisely adjustable section a^{30} , inclining towards the base of the side plate A^1 , and having one end hinged to the section a^{29} , the hinged plate A^4 , having a curved edge, and supports, substantially as described, for the section a^{30} , of the plate A^0 , and the plate A^8 , substantially as and for the purpose specified. 4th. The combination with the divisional patterns for the front, yoke, sleeve, and bosom pieces of a shirt, of the herein described divisional pattern for the back piece of the shirt, the same comprising the lengthwisely adjustable plates B^1, B^2 , connected together, substantially as described, and forming opposite edges of the pattern, the lengthwisely adjustable top plate B^6 , having one end fixed to the upper end of the plate B^1 , and connecting plates, substantially as described, between the outer end of the plate B^6 , and the upper end of the plate B^2 , substantially as and for the purpose specified. 5th. The combination with the divisional patterns for the front, yoke, sleeve, and bosom pieces of a shirt, of the herein described divisional pattern for the back piece of the shirt, the same comprising the lengthwisely adjustable plates B^1, B^2 , forming opposite edges of the pattern, lengthwisely adjustable cross plate B^3, B^4 , connected, substantially as described, to the plates B^1, B^2 , the lengthwisely adjustable plate B^7 , consisting of sections b^{25}, b^{26} , one being secured to the plate B^1 , and the other to the plate B^2 , the lengthwisely adjustable top plate B^6 , having one end fixed to the upper end of the plate B^1 , and formed with a lengthwise edge having a down turned outer end, and connecting plates, substantially as described, between the outer end of the plate B^6 and the upper end of the plate B^2 , substantially as and for the purpose set forth. 6th. The combination with the divisional patterns for the front, yoke, sleeve, and bosom pieces of a shirt, of the herein described divisional pattern for the back piece of the shirt, the same comprising the divisional lengthwisely adjustable side plate B^1 , forming one edge thereof, the lengthwisely adjustable side plate B^2 , having a curved edge and formed of the sections b^4, b^5 , the section b^5 , being composed of the division b^0 , having an edge curved at its base towards the lower end of the plate B^1 , and the division b^7 , having its base hinged to the division b^0 , the lengthwisely adjustable cross plate B^4 , between the plate B^1 , and the upper end of the plate A^2 , the lengthwisely adjustable plate B^7 , consisting of sections b^{25}, b^{26} , one being secured to the plate B^1 , and the other to the plate B^2 , the lengthwisely adjustable top plate B^6 , having one end fixed to the upper plate B^1 , the plate B^3 , having one end fixed to the outer end of the top plate B^1 , and the plate B^4 , hinged at its upper end to the lower end of the plate B^2 , and having its lower end adapted to register with the upper end of the plate B^2 , substantially as and for the purpose specified. 7th. The combination, with the divisional patterns for the front, back, sleeve, and bosom pieces of a shirt, of the herein described pattern for the yoke piece of the shirt, the same comprising a base plate C^0 , formed with a projecting arm c^{12} at the central portion of its upper edge, a plate C^1 adjustable lengthwise on the base plate C^0 , and formed with a bottom edge c^0 , and a right hand end edge c^5 , arranged at substantially right angles with each other, and the plate C^2 adjustable lengthwise on the base plate C^0 , and formed with a bottom edge c^4 , and a left hand end edge c^{11} extending at substantially right angles with each other, said parts being constructed and operating substantially as and for the purpose set forth. 8th. The combination, with the divisional patterns for the front, back, sleeve, and bosom pieces of a shirt, of the herein described pattern for the yoke pieces of a shirt, the same comprising a base plate C^0 , a plate C^1 adjustable lengthwise on the base plate C^0 , and formed with a bottom edge c^0 , and a right hand end edge c^5 , arranged at substantially right angles with each other and provided with a tongue c extending laterally from the opposite end edge of said plate C^1 , a plate C^2 adjustable lengthwise on the base plate C^0 , and formed with a bottom edge c^4 , and a left hand end edge c^{11} extending at substantially right angles with each other and provided with an open slot c^1 extending inwardly from its right hand end edge for receiving the tongue c , substantially as and for the purpose set forth. 9th. The combination, with the divisional patterns for the front, back, sleeve, and bosom pieces of a shirt, of the herein described divisional pattern for the yoke piece of the shirt, the same comprising a base plate C^0 , a plate C^1 hinged at one extremity and having its top edge arranged in advance of the corresponding edge of the base plate, and plates C^1, C^2 , lapping with each other and adjustable lengthwise on the base plate, said plates being formed