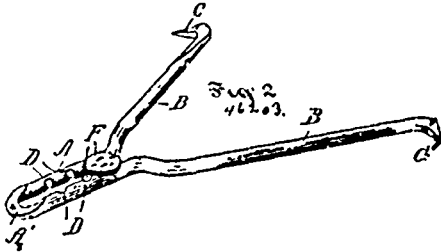


metal case, and then surrounding the case with bars of iron providing additional thickness at the ends, and then heating the pile to the proper temperature for rolling, and lastly rolling the pile into the required form, substantially as described. 2nd. The herein described box pile, consisting of a sheet-metal case, scrap steel enclosed within said case, and an outer case of metal bars, substantially as described. 3rd. The herein described box-pile, consisting of a sheet-metal case composed of bottom with end flaps, sides with flaps and a top of two parts with end flaps, scrap steel enclosed within said case, and an outer case of metal bars.

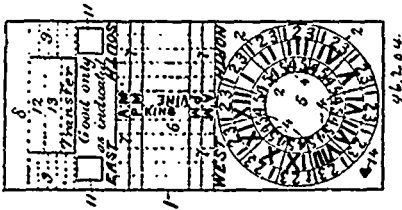
No. 46,203. Hoof Expander. (*Appareil pour élargir les sabots des animaux.*)



Ezra B. Chadwick, Bristol, Rhode Island, U.S.A., 1st June, 1891; 6 years.

Claim.—1st. A spreader comprising an expansible shank, spring arms projecting from opposite sides thereof, and a stud adjustable longitudinally in the shank for expanding the same, substantially as shown and described. 2nd. A spreader comprising an expansible shank which is formed with notches on its inner faces, spring arms diverging from the respective sides of the shank, and a stud adjustable in the shank which is held in the desired position by the notches thereof, substantially as described. 3rd. A spreader formed wholly of wire and comprising a U-shaped shank, spring arms extending therefrom, and a stud adjustable in the shank for expanding the same, substantially as shown and described. 4th. A spreader formed wholly of spring wire and comprising a U-shaped shank having notches on its inner faces, spur-carrying arms diverging therefrom, and a stud adjustable in the shank and which is held in position by the notches thereof, substantially as shown and described.

No. 47,204. Transfer Ticket. (*Billet de correspondance.*)

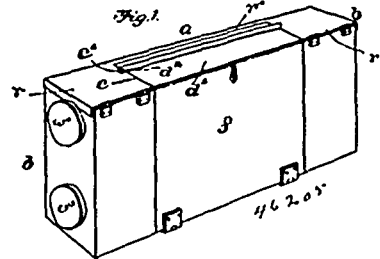


John H. Cairncross, Toronto, Ontario, Canada, 1st June, 1894; 6 years.

Claim.—1st. A transfer ticket having the numerals of a time piece indicated thereon and preferably arranged in circular form, and having around each of said numerals another set of numerals to indicate the divisions of the hour, thereby providing for a single mark indicating the hour and a particular portion thereof, substantially as specified. 2nd. A transfer ticket having the numerals of a time piece indicated thereon, preferably in circular form, in combination with a second set of numerals arranged round each of said time piece numerals, to indicate the divisions of the hour for the purpose specified, and spaces on which names of connecting lines of railways are indicated and classified according to the directions in which they extend, substantially for the purpose specified. 3rd. In a transfer ticket, the combination, of the numerals of a time piece indicated thereon as specified, a second set of numerals disposed round each of the said numerals of a time piece, spaces on which names of connecting lines of railways are indicated and classified according to the directions of their extension, and a double row of squares or spaces at each end of said spaces, by which to indicate the former or latter half of the day and the particular line transferred to, by a single mark, substantially as specified. 4th. In a transfer ticket, the combination, of a series of spaces on which to indicate the names of connecting lines of railway, and a double row of squares or spaces on which to indicate at each end of said series of spaces the former or latter half of the day and the particular line of road transferred to, by a single mark or indication, substantially as shown and described. 5th. In a transfer ticket, the combination, of the numerals of a time piece indicated thereon, a second set of numerals disposed round each of the said time piece numerals, spaces on

which connecting lines of railways are indicated and classified according to their direction of extension, double rows of squares or spaces at each end of said spaces for names of lines, enabling the former or latter half of the day to be indicated opposite the name of the day to be indicated opposite the name of line of railway transferred to, and spaces provided for initials to be indicated thereon to designate the direction of the car from which the transfer was granted, substantially as specified. 6th. In a transfer ticket, the combination, of the numerals of a time piece indicated thereon, a second set of numerals disposed round each of the said time piece numerals, spaces on which connecting lines of railways are indicated and classified according to their direction of extension, double rows of squares at each end of said spaces for names of lines, to enable the former or latter half of the day to be indicated opposite the name of the line of railway transferred to, spaces for initials to indicate the direction of the car from which transfer was granted, and the spaces for abbreviated names of transfer stations arranged over said initials, to indicate the points between which the transfer was given, substantially as specified. 7th. A transfer ticket, having in combination, with the numerals of a time piece arranged thereon, a particular distinguishing mark to indicate the particular car from which the transfer was granted, substantially as specified.

No. 46,205. Camera. (*Camera.*)



Theodore M. Clark, Newton, Massachusetts, U.S.A., 1st June, 1894; 6 years.

Claim.—1st. A camera comprising in its construction a roll-holder, having a compartment at each end for film-rolls and a central compartment for the bellows and its case, and a bellows and case therefor fitted removably into said central space, said case having a hinged side adapted when let down to form a platform on which the bellows may be extended. 2nd. A camera comprising in its construction a horizontal platform for the bellows, a sliding extension of said platform, a bellows secured at one end to a stationary support, a sliding support on the platform-extension for the lens-front, lazy-tongs connected with a stationary support at one end and with the sliding lens-front support at the opposite end, and connection between the lazy-tongs and sliding platform-extension. 3rd. A camera comprising in its construction a horizontal platform for the bellows, a sliding extension of said platform, a bellows secured at one end to a stationary support, a sliding support on the platform extension for the lens-front, lazy-tongs connected with a stationary support at one end and with the sliding lens-front support at the opposite end, rods connected with the central portion of the lazy-tongs, a yoke jointing said rods, and adjusting-screw connecting said yoke with the platform-extension. 4th. In a camera, a finder consisting of a prism supported with its thick end uppermost and concealed on opposite sides, substantially as and for the purpose described. 5th. In a roll-holder for cameras, the combination of enclosed end-compartments, a central compartment open at one side and adapted to receive and contain the camera, rollers in the end-compartments and carrying the film with a stretch thereof extending across the centre compartment, rollers in said end-compartments carrying a curtain-shutter with a stretch thereof extending across the central compartment in close proximity to the film, an operating drum or pulley having a knob, and a cord engaging said drum or pulley and having its ends attached to the curtain rollers.

No. 46,206. Apparatus for the Manufacture of Carbon Brushes. (*Appareil pour la fabrication de brosses pour carbonées.*)

John Wright, Taylor, Peterborough, Ontario, Canada, 1st June, 1894; 6 years.

Claim.—1st. In an apparatus for the manufacture of carbon brushes, the combination of a die barrel, a casing provided with a steam chamber surrounding the die barrel, a lower die, an upper die, and means for applying pressure to the said upper die, substantially as and for the purpose specified. 2nd. In an apparatus for the manufacture of carbon brushes, the combination of a die barrel, a casing provided with a steam chamber surrounding the die barrel, a lower die, means for raising the said lower die, an upper die, and means for applying pressure to the said upper die, substantially as and for the purpose specified. 3rd. In an apparatus for the manufacture of carbon brushes, the combination of a die