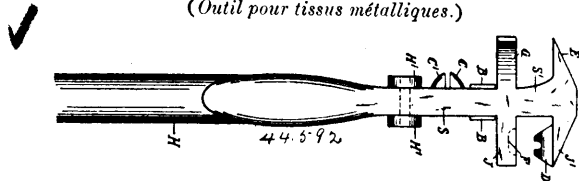


formed at one end of the lever or handle bar and having its inner side toothed and the loose or movable jaw C¹, comprising the independent, acute angle shaped, movable sections C, having convex toothed engaging faces, the said sections C, being independently connected to the lever or handle bar by a bolt or rivet which takes through the sections at a point adjacent to the apex of the angle formed by the straight edges thereof, substantially as and for the purpose set forth.

No. 44,592. Metal Fabric Tool.

(Outil pour tissus métalliques.)



Selden S. Casey, London, Ontario, Canada, 28th October, 1893; 6 years.

Claim.—1st. The stationary standard S, provided with the jaw J, in the upper face of which the concave F, is formed, and the straps B, B, in combination with the adjustable standard S¹, provided with the jaw J¹, formed with the die D, and the handles H, H¹, the latter of which is pivotally secured to the standard S, and formed with a slot K, through which and the standard S¹, the pivot bolt L, extends, substantially as and for the purpose set forth. 2nd. The stationary standard S, provided with the jaw J, in the upper face of which the concave F, is formed, the cutter C, and the straps B, B, in combination with the adjustable standard S¹, provided with the jaw J¹, formed with the die D, the cutter C¹, and the handles H, H¹, the latter of which is pivotally secured to the standard S, and formed with a slot K, through which and the standard S¹, the pivot bolt L, extends, substantially as and for the purpose set forth. 3rd. The stationary standard S, provided with the jaw J, in the upper face of which the concave F, is formed, and the straps B, B, in combination with the adjustable standard S¹, provided with the jaw J¹, formed with the die D, the staple puller E, and the handles H, H¹, the latter of which is pivotally secured to the standard S, and formed with a slot K, through which and the standard S¹, the pivot bolt L, extends, substantially as and for the purpose set forth. 4th. The stationary standard S, provided with the jaw J, in the upper face of which the concave F, is formed, the cold chisel G, and the straps B, B, in combination with the adjustable standard S¹, provided with the jaw J¹, formed with the die D, and the handles H, H¹, the latter of which is pivotally secured to the standard S, and formed with a slot K, through which and the standard S¹, the pivot bolt L, extends, substantially as and for the purpose set forth. 5th. The stationary standard S, provided with the jaw J, in the upper face of which the concave F, is formed the cutter C, the cold chisel G, and the straps B, B, in combination with the adjustable standard S¹, provided with the jaw J¹, formed with the die D, the cutter C¹, the staple puller E, and the handles H, H¹, the latter of which is pivotally secured to the standard S, and formed with a slot K, through which and the standard S¹, the pivot bolt L, extends, substantially as and for the purpose set forth.

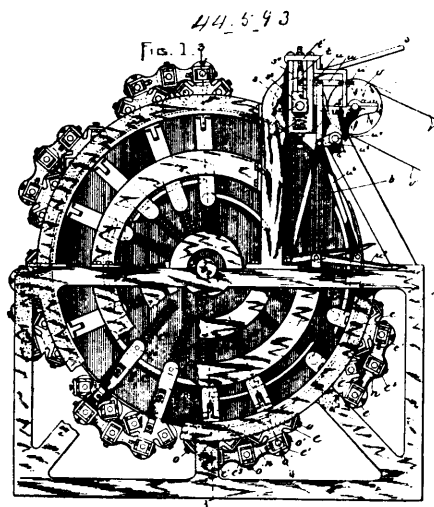
No. 44,593. Colour Printing Press.

(Presse à imprimer en couleurs.)

Henry Edward Grandy, Somerville, Massachusetts, U.S.A., 30th October, 1893; 6 years.

Claim.—1st. In a colour printing press, a cylinder having a series of segmental printing plates on its periphery, and a corresponding series of segmental ribs on its ends, said ribs having cam-shaped ends, and being located at different distances from the axis of the cylinder and in a uniform plane at a right angle to said axis, and each occupying the same segment of the circle that the corresponding printing plate occupies, combined with a series of inking mechanisms corresponding in number to the printing plates and rib cams, each inking mechanism being adapted to be operated by one and only one of said rib cams, as set forth. 2nd. In a colour printing press, a cylinder having a series of segmental printing plates on its periphery, and a corresponding series of segmental ribs on its ends, said ribs having cam-shaped ends, and being located at different distances from the axis of the cylinder and in a uniform plane at a right angle to said axis, and each occupying the same segment of the circle that the corresponding printing plate occupies, combined with a series of inking mechanisms corresponding in number to the printing plates and rib cams, each inking mechanism including a roll or rolls adapted to apply ink to the periphery of the cylinder and normally held out of contact therewith, and radially movable slides or arms, each having a projection arranged to co-operate with one and only one of said rib cams, as set forth. 3rd. In a colour printing press, a cylinder having a series of segmental printing plates, on its periphery, and a corresponding series of segmental ribs on its ends, said ribs having cam-shaped ends, and being located at different distances from the axis of the cylinder and in a uniform plane at a right angle to said axis, and each occupying the same segment of the circle that the corresponding printing plate occupies, combined with the series of inking mechanisms,

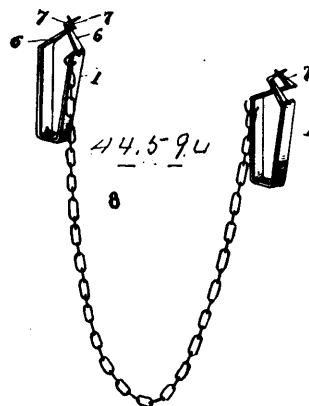
each including the slides *i, i*, having rolls at their inner ends arranged to co-operate with one of the rib cams, guides to direct the



movement of said slides, the inking rolls journaled in boxes at the outer ends of said slides, and the springs arranged to force said slides and rolls outwardly, as set forth. 4th. The combination with the cylinder and its rib cams and printing plates, of the slides *i, i*, having the rolls *i¹, i¹*, the boxes *h, h*, movable in diagonal guides in the outer portions of said slides, the boxes *m* movable lengthwise of the slides, the inking rolls *c, c*, journaled in the boxes *h, h*, the rolls *c¹*, journaled in the boxes *m*, said rolls *c, c*, being adjustable at an angle to the adjustment of the rolls *c¹*, and the adjusting screws for adjusting said rolls, as set forth. 5th. The combination of the rolls *c, c*, and *c¹*, the slides *i*, supporting the boxes of said rolls, the boxes *m¹*, supported by the shafts of the rolls *c¹*, the yoke *n*, supported by the boxes *m¹*, and the roll *e¹*, journaled in boxes supported by the yoke *n*, as set forth. 6th. The combination of the printing cylinder, a fixed ink box having an ink roll *e²*, suitable ink rolls arranged to receive ink from the roll *e²*, and a flexible shaft arranged to communicate motion from the shaft of the cylinder to the roll *e²*, as set forth. 7th. The combination with the cylinder *b*, and the impression cylinder *s*, mounted in spring supported boxes, of the toggle links *t, t*, engaged with said boxes, the toggle links *u, u*, engaged with the links *t, t*, the treadles *u¹, u¹*, and the rods connecting said treadles with the links *u, u*, as set forth.

No. 44,594. Napkin and Paper Holder.

(Porte-serviette et papier.)



Christopher C. Scott, Celina, Ohio, U.S.A., 30th October, 1893; 6 years.

Claim.—1st. The herein described napkin holder consisting of a loop-shaped body portion formed of a spring metal, said body having its terminals pointed and offset from each other and adapted to be sprung past each other to engage a napkin or the like and to lock the same in position by their tendency of expansion, and a suspension device therefor, substantially as specified. 2nd. The holder for the purpose specified, consisting of two yielding bodies having reversely arranged shoulders and tapered fingers convergently extended inward and past each other and bent outwardly adjacent their ends, and a chain connecting the two bodies, substantially as specified.