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NOTICE.

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INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 42,116. Apparatus for Preparing Tickets, Cheques, Labels, etc. (*Appareil pour préparer les billets, chèques, étiquettes, etc.*)

John Melton Black, Tabernacle Street, Finsbury, London, England, 1st March, 1893; 6 years.

Claim.—1st. In a rotary printing machine a pair of cylinders A A^1, provided with rings B, having raised surfaces for impressing and colouring the web which passes between them, inking rollers for applying the colouring matter to the said rings and the necessary actuating, feeding and cutting devices for the purpose set forth. 2nd. In a rotary printing machine the combination of devices for printing and colouring tickets or the like on a continuous web with cutting cylinders G^1 G^2, arranged to cut the said web into longitudinal strips cross cutting cylinders H H^1, arranged to cut the said tickets from the said strips and the necessary actuating mechanism, substantially as set forth. 3rd. In numbering heads designed for rotary numerical printing a series of star wheels, in combination with the ratchet wheels of the numbering heads to which they are respectively fixed, and a series of V shaped pawls arranged to engage corresponding depressions of the said star wheels, substantially as set forth.

No. 42,117. Manufacture of Car Wheels.

(*Fabrication des roues de chars.*)

Francis Daniel Taylor, Montreal, Quebec, Canada, 1st March, 1893; 6 years.

Claim.—1st. In a car wheel the combination of the outer peripheral portion, comprehending the tire, rim and flange and a portion of the body, formed of metal of a great degree of density, a central portion comprehending the hub, and the remaining portion of said body formed of metal of a less degree of density, and a fused annulus located in and extending transversely completely through such body section at the point of union between said outer and central portions and being adapted before fusing to temporarily completely separate and subsequently permanently unite such portions as herein set forth. 2nd. In a car wheel the combination of the outer peripheral portion, comprehending the tire, rim and flange and a portion of the body, formed of metal of a great degree of density, the tire section proper being chilled, a central portion comprehending the hub and the remaining portion of said body formed of metal of a less degree of density, and a fused annulus located in and extending transversely completely through such body section at the point of union between said outer and central portions and being adapted before fusing to temporarily completely separate and subsequently permanently unite such portions, as herein set forth. 3rd. In a car wheel the combination of the tire or rim formed of chilled iron, a body of softer metal and a fused annulus separating and uniting both, as herein set forth. 4th. As a new article of manufacture, a car wheel having its outer peripheral portion, comprehending the tire, rim, flange and a portion of the body, formed of metal of a great degree of density, the tire section proper thereof being chilled and its inner central portion, comprehending the hub and the remaining portion of said body formed of metal of a less degree of density.

No. 42,118. Sound Transmitter and Receiver.

(*Transmetteur et récepteur du son.*)

Henry Rose, Pall Mall, London, England, 1st March, 1893; 6 years.

Claim.—1st. In apparatus for transmitting and receiving sound, a speaking tube clothed with material such as felt, that is a bad conductor of sound, substantially as herein described for the purpose specified. 2nd. In apparatus for transmitting and receiving sound, a speaking tube clothed with material such as felt that is a bad conductor of sound, in combination, with supports formed of material such as india rubber that will tend to reduce to a minimum the transference of vibration or shock to such pipe, substantially as herein described for the purpose specified. 3rd. In apparatus for transmitting and receiving sound, a speaking tube provided at one or at each end with a tube or pad of elastic or yielding material capable of surrounding the ear of the person receiving the sounds, and of adapting itself to the side of the head of such person, substantially as herein described for the purpose specified. 4th. In apparatus for transmitting and receiving sounds, a speaking tube clothed with material such as felt, that is a bad conductor of sound, and provided at one or at each end with an endless tube or pad of elastic or yielding material such as india rubber, substantially as herein described for the purpose specified. 5th. In apparatus for transmitting and receiving sound, a telephone receiver provided with an endless tube or pad of elastic or yielding material capable of adjusting itself to the side of the head of a person listening to the sounds produced electrically or mechanically therein and of excluding extraneous sounds, substantially as herein described.

No. 42,119. Telegraphic Transmitter.

(*Transmetteur télégraphique.*

Charles Goodwin Burke, Brooklyn, New York, U.S.A., 1st March, 1893; 6 years.

Claim.—1st. In a cable transmitter, the combination, with a key, of an automatically actuated contact maker locked and released by said key, and provided with contact surfaces adjustable relatively to one another, whereby the duration of contact for a given movement may be varied, as set forth. 2nd. In a cable transmitter, the combination, with a locking and releasing key, of a wheel or carrier carrying contact plates of varying width, a motor for revolving said carrier when released by the key, and contact strips adapted to bear on the said plates, and adjustable with respect thereto, whereby the duration of contact for a given movement of the carrier may be varied, as described. 3rd. In a cable transmitter, the combination, with a locking and releasing key, of a frame or carrier provided with two series of contact plates of varying width, a motor for revolving said carrier when released by the key, and positive and negative contact terminals adapted to bear on the two series of plates, respectively, and independently adjustable with respect thereto, whereby the duration of contact for a given movement of the said carrier may be varied, as described. 4th. In a cable transmitter, the combination of a revoluble frame or carrier provided with two lines or series of contact plates of varying width, a source of power acting constantly on said carrier, a series of pins or stops constituting an