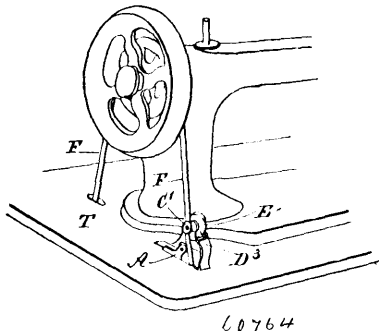


swivelled feed-screw, and a feed-nut pivotally mounted upon the rack-bar, engaged by said feed-screw, and having a trunnion mounted in the slot of the keeper, and a latch carried by the other plate for engagement with the seats of the rack-bar, substantially as specified. 21st. Dividers having pivotally-connected plates or members, and means for securing the same at the desired angular adjustment, yokes carried respectively by the plates or members and provided with sockets aligned with the pivotal point of the plates or members, short arms carried by the plates or members, long arms fitted respectively to slide in said sockets, and securing devices for fastening the long arms at the desired adjustment, substantially as specified. 22nd. Dividers having its arms provided with tapered seats, and tapered contractible needle-holding sockets fitting in said seats, substantially as specified.

No. 60,764. Ripping Attachment for Sewing Machines
(Appareil à découper pour machines à coudre.)

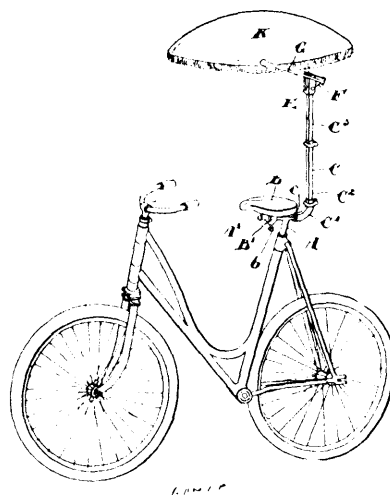


Maurice W. Talen, George Henry Croft and Albert J. Anderson,
all of Geneseo, Illinois, U.S.A., 3rd August, 1898; 6 years.
(Filed 20th April, 1898.)

Claim.—1st. A ripping attachment for sewing machines, comprising a base plate separate from and attachable to the sewing machine table, and having two pulleys supported therefrom and adapted to receive the sewing machine belt between them, and a ripping disc connected with one of said pulleys, substantially as described. 2nd. A ripping attachment for sewing machine, comprising base plates separate from and attachable to the machine table, and having two pulleys supported therefrom at different elevations and adapted to receive the belt between them; by deflecting the belt, one of said pulleys being movable horizontally, and a cutting disc connected to one of the pulleys, substantially as described. 3rd. A ripping attachment for sewing machines, comprising a base plate separate from and attachable to the machine table, and having a pulley mounted thereon, a plate adjustable horizontally up on the base plate and having a pulley mounted thereon above the other pulley, and a cutting disc connected to one of the pulleys, substantially as described. 4th. A ripping attachment for sewing machines, comprising a base attachable to the machine table and having a pulley mounted thereon, a plate adjustable horizontally upon the base and having a pulley mounted thereon above the other pulley, said plate having its upper portion curved over to form a shield for the edge of the cutting disc, and a cutting disc mounted upon the shaft of the second pulley, substantially as described. 5th. A ripping attachment for sewing machines, comprising a base attachable to the machine table, and having a pulley mounted thereon, a plate adjustable upon the base and having a pulley mounted thereon above the other pulley, said plate having its upper portion curved over to form a shield for the edge of the cutting disc, and its front edge bent laterally and slotted to embrace the disc and form a work support or guide, substantially as described. 6th. A ripping attachment for sewing machines, comprising a base having an upwardly extending arm on one side carrying a roller thereon, the same edge of the base plate being curved upwardly and inwardly to form a guide flange, and an upwardly extending flange or web upon the other and having a horizontally extending slot therein, means for securing the base to the table, a plate lying alongside of the slotted web of the base and having a base flange engaging beneath the guide flange of the base, a pulley and connected cutting disc journaled on base plate above the other pulley, said plate also having its upper edge rolled over the edge of the disc to form a guard therefor, and a recess at one side exposing a section of the disc, substantially as described. 7th. A ripping attachment for sewing machines, comprising a base having an upwardly extending arm on one side carrying a roller, the same edge of the base plate being curved upwardly and inwardly to form a guide flange, and an upwardly extending flange or web upon the other side having a horizontally extending slot therein, means for securing the base to the table, a plate lying alongside of the slotted web of the base and having a base flange engaging beneath the guide flange of the base and a leg engaging the machine table beyond the belt, a pulley and connected cutting disc journaled on said plate above the other pulley, said plate having a recess at

one side exposing a section of the disc, and a bolt passing through the slot in the base plate and entering the sliding plate whereby the two may be adjusted, substantially as described. 8th. A ripping attachment for sewing machines, comprising a base having an upwardly extending arm on one side carrying a roller, said base being bent upwardly and inwardly to form a guide on the same side of the base, and an upwardly extending flange or web upon the other side having a horizontally extending slot therein, a clamping arm extending downward from said base and adapted to pass through the bolt hole in the machine table, a plate lying alongside of the slotted web of the base and having a base flange engaging beneath the guide flange of the base, and a leg engaging the machine table beyond the belt, a bolt passing through the slot in the base plate and into the sliding plate, a pulley and connected cutting disc journaled in said plate above the other pulley, said plate also having its upper edge rolled over the edge of the disc to form a guard therefor, a recess at one side exposing a section of the disc, and a side extending flange at the lower part of the said recess, said flange being slotted to embrace the disc and forming a work guide or support, substantially as described.

No. 60,765. Bicycle Umbrella. (Parapluie pour bicycles.)



William Metchiner Pentelov, London, and Mercy Weston, Toronto,
assignees of George Valiant, Toronto, all of Ontario, Canada,
3rd August, 1898; 6 years. (Filed 5th April, 1898.)

Claim.—1st. An umbrella for bicycles comprising the telescopic standard having a lower elbow, means for securing the elbow to the top bar of the seat post, the umbrella proper and a support for same upon the top of the telescopic standard, as and for the purpose specified. 2nd. An umbrella for bicycles comprising the D-tube telescopic standard having a lower elbow, a tail extending forwardly from said elbow and designed to rest on the top bar, the seat clasp and set screw for holding such tail in position upon the top bar, the slits and clamps at the joints for holding the lengths of the telescopic standard in any desired position, the umbrella proper and support therefor on the top of the standard, as and for the purpose specified. 3rd. The combination with the standard suitably secured to the bicycle and having a jaw at the upper end, of the quadrant pivoted in such jaw, the pin extending through the jaw and provided with a square portion and knob, the pinion on the pin designed to be brought into mesh with the quadrant, the spring between the pinion and one member of the jaws and the square hole in the opposite member of the jaw designed to receive the square portion of the pin to lock it, the arms secured to the upper rear end of the quadrant, and the umbrella suitably held in the end of the arms, as and for the purpose specified. 4th. The combination with the standard suitably secured to the bicycle and having a jaw at the upper end, of the quadrant pivoted in such jaw, means for turning the quadrant, lugs formed at the rear end of the quadrant, the arms pivoted in the lugs, means for holding the ends of the arms apart and collapsing same, and the umbrella proper held in the ends of the arms, as and for the purpose specified. 5th. The combination with the standard suitably secured to the bicycle and having a jaw at the upper end, of the quadrant pivoted in such jaw, means for turning the quadrant, lugs formed at the rear end of the quadrant, the arms pivoted in the lugs, the dovetail groove formed in the upper side of the quadrant, the block fitting same, the bars pivotally connected to the arms, the pin extending through the opposite end into the block, and spring in one bar extending into a notch in the other, as and for the purpose specified. 6th. In a device of the class described, the combination with the umbrella suitably supported on the ends of the arms, of the umbrella proper comprising the ribs 1, 1² and central rib 1¹ provided with looped ends to which are connected the looped ends of the other ribs, the cover for the ribs, the arch-shaped