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No. II.

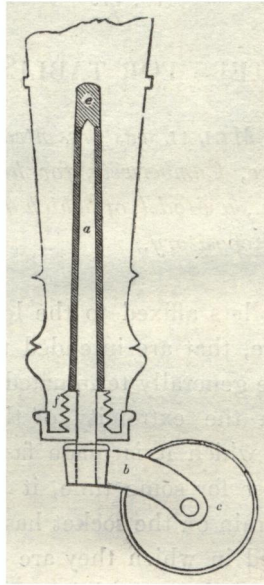
CASTERS FOR TABLES, &c.

The SILVER ISIS MEDAL was presented to Mr. C. BUSH, 7 Garden Row, Camberwell, for his improved Caster for Tables, &c., a Model of which has been placed in the Society's Repository.

THE casters or rollers affixed to the legs of most articles of heavy furniture, that are intended to be moved from place to place, are generally terminated above by a metal socket, in which the extremity of the leg or post is received, and to which it is made fast by three screws. After being in use for some time, it but too frequently occurs that the strain on the socket has caused the screws to crack the wood in which they are inserted, and thus to make the caster loose and irregular in its action. Mr. Bush avoids this inconvenience in the following manner:—

He bores a hole nine inches deep in the axis of the leg, and half an inch across, using for this purpose a tapered boring-bit, so that the upper part of the hole is one-sixteenth smaller than the rest; a centre-piece *e* is then driven up to the end of the hole. *a* is an iron pin, made with a blunt point at the end, to enable it to turn freely on the centre *e* and with a shoulder near its lower extremity to prevent it from slipping through the screwed collar or bush *f*. The end of the pin *a*, having been passed through the collar *f*, is then to be firmly

riveted to the bent arm *b* which carries the roller *c*, and finally the collar *f* is to be screwed home by a wrench, as shewn in the figure.



If any hazard be apprehended of the leg splitting during the screwing in of the collar, this may be avoided by first letting into the end of the leg, to the depth of about half an inch, an iron ring, a little more in diameter than the screw of the collar, or by combining the screwed collar with the ferrule, as shewn in the figure.

The above contrivance is obviously only applicable to those articles of furniture that have straight legs, not bent or clawed ones.