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DR. J. C. AYER \& 00 LOWELL, MASS.
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## 3 Momastorls \#ommat.

He is a Freeman whom the Truth mazes Free, Laid all ara laves beside,"
NUMBER 45.
of rifling, and in this necessity the weakes of bis invention lies. following si William Arratrnag's exposition, Mr. Whitworth had a full meeting, and nne o. his wonderful 12 -pounder teed guns wal on the table before in. Mr. Whitworli. has neither the presence, ts e power, nor rend his remarks, but neither fluently no z o.early; and this never tell. with an audience. The crowd was, however, all atrention and patience, and continued so tothe end. The matter was interesting wist it. "The gift of the gab" is of great vale -well used. Whitwouth does nut pose

Sir William Armstrong makes his gate flat bars and flat rings of wrought iron twisted and welded together. Whitwork makes his guns out or homogeneous inti into moulds, so as to form one solid, compact, homogeneous mass. Both guns are breech loaders, have both a direct passage through, rom breech lo muzzle, and both ers end screws. In the Armstrong gun, the breech piece is sisal and moveable, and there may be any number ready to
replace a lost or damaged one. In the Whitworth gun, the bree sh piece is heavy, and opens clumsily on a hinge, so as to be sadly and el liable to accident. Injury to the breech would be for the time ruinaction to the gun.
This hinged breech is a weak point: in nil besides the Whit worth gun has a detided advantage. Homogeneous iron is strong. Any enemy must possess Whitworth guns of the exact calibre, to return
any of his soot, as each solid shot or shell fits to the 1 beths of an inch. "requires
a power of mass tons weight to force ore from breech to -muzzle ; but any child may easily push one of the Whitworth shot through his guns, the. fit is so true
even, and easy. The Armstrong gun on not be used as a muzzle loader; the Whit worth gun can be used in the same man-
net if required. The Whit worth material and form of bore and mode of tiling, with the Armstrong breech and mode of sightng , would constitute a perfect weapon in
every respect. With such guns Great Britain will hight ier next great battles nad woe be to. what: ever mas be bough
within the range of such terrible weapons: wrought it iron plates, the thickest and strongest that can be made for any reps and perforates, as if coly of the consesthe most destructive character will pierce ships and scatter annihilation around, material will be able tor es 'st the lifrect action of suck. engines, A Whitworth
ball will pass $\$ 1$. rough 40 feet of sand, and continue in a direct line at any anglo-
 the axis nt a rate of 100,000 revolutions per $\pi$ innate. Rope mantelets, sand bag merton used d, will be of bo avail against such a reining, direct, and insinuating prot Monofous Raymond many liezarage tho: British rifted carrion as much as he peteos himself and his egotistical countrymen. ar soon wite "Sir W, Willing Whitworti") - have made guns that require more thea assertion to be proved inferior to any of
French invention to $n$ ike, Gunpowdcu: cannot burbs either the Armstrong or s.
 hoed be find on in itreng th; and ns to rang em
abd scectruey, these have been proved.

