MISCELLANEOUS INVENTIONS.

Veneers made of paper have been used in place of wood

its ring secured to it without the use of rivet or solder. It for a return of the staple prosperity of earlier times. has edges as strong and as durable as the ordinary wire edged pan, is of somewhat less weight, is more convenient, of business. Prudence and economy is now the motto of ing quicker and better work than the cut files in ordinary as its broad, flat edges afford a good hold in putting it in or the successful merchant. The misfortunes of the past did out of an oven. It can be manufactured at a greatly re- not come for naught. It is a delusion to suppose that sucduced cost of material, time, and labor.

An improvement in library lamp fixtures, patented by Mr. construction of clamping rings for holding the shade, and the path of success no plainer or easier for those who are in the manner of fitting the stops that arrest the movement looking for a short road to wealth, power, honor, and influof the lamp in raising it.

Mr. Henry B. Winslow, of Marblehead, Mass., has patwhereby the use of water is dispensed with and the character of the production improved.

traces or other tension strain will hold the hooks locked to The man who enters business only for plunder and gain, with prevent them from becoming accidentally unhooked, has no thought of his reputation or character, is not a good busi been patented by Mr. Joel R. Haines, Mount Laurel, N. J. Look a toothed head, a toothed collar placed upon the wealth, social position, or political honors alone. To these rounded shank of the hook to engage with the toothed head, must be added honesty, a heartfelt consideration for others, and a loop or half link attached to the toothed collar to re ceive the trace or other article and serve as a guard to prevent the hook from becoming accidentally unhooked.

An improved type clamp, patented by Mr. William J. when fitted together they form an adjustable rectangular fit a form of types.

the same time allow the binding to be wound into a coil.

Messrs. Elias Leak, of Longton, and John Edwards, of Fenton, England, have patented an improved apparatus for supporting pottery ware in kilns and ovens This invention in which the ware is placed and supported while in the kiln

An improved lamp burner, patented by Mr. Orlando Mer rill, of Courtland, Ala., is so constructed that wider and narrower wicks and larger and smaller chimneys may be vented and gave such directions, specimen pages headings, used with the same burners.

Mr. Joseph Kintz, of West Meriden, Conn., has patented an improvement in extension chandeliers, which relates to the den claimed that his copyright secured to him a monopoly means for retaining the extension rod of a chandelier in any of the system which he had invented, and demanded a roy position, as drawn out to lengthen the chandelier, and for alty for the privilege of using it. The system appears to releasing it, so that the spring may act to draw up the rod. have been a desirable one, and the royalty was paid by a already been located. The inventor makes use of a slide rod having its surface goodly number of persons, including not a few county audi grooved or ribbed concentrically and sliding in a collar that is fitted with loose sectional nuts or clamping blocks, which tor's permission or paying any royalty, and one person pubopened between the station of Ribeauvillé (on the Strassburg are inclosed within a beveled cup or ring. The cup is lished a book embodying substantially the same method. Basle line) and the town of that name, about 4 kilom. dismoved in one direction by a spring to force the nuts inward Litigation resulted, and the question was raised whether tant. The line is on the road (with which the rails are level), and clamp the slide rod, and is fitted for movement by hand, Selden's plan or system of book-keeping was protected by and has a narrow gauge of one meter. There are inclines to release the nuts by means of a trigger placed in a con-venient position operating through a sliding tube that is States decided that it was.

The Circuit Court of the United of forty mm., and curves of fifty meters radius. The train This judgment is now reversed requires only one engineer and one guard. The locomotives connected to the cup.

Messrs. Amos A. Deuse and James Deuse, of Chester, in bits or gimlets, consisting of the two halves having the tem or secret of book-keeping described in the book is not a These platforms carry two rails, corresponding to the norlongitudinal and slightly tapering grooves and diagonal cross bars, one pair of the bars being smaller than the other.

H. Ellis, Alexander Scott, and Eli S. Edmondson, of Godelevel of the grinding surfaces, which carries the chop to a operating the conveyer.

Business Success,

veneers to a limited extent. That they have not come into Eastburn, one of the former magnates of State street, whose general use is due chiefly to the fact that the oil applied to familiar face and form as he stood at his office door at noon their grained face prevents the due adhesion of the glue or day will be recalled by many, none may be more profitably cement by which they are attached to any wood surface to considered at the present time than his comment on making has patented a new, simple, and economical process, pro "for forty years, and I have seen men accumulate fortunes ducing a paper veneer having an oil grained surface, and by speculation, and I've seen these fortunes disappear I patent for an improvement in window sashes, which all slow gains and six per cent interest came out ahead in the city on the same plan.—N. Y. Times. housekeepers will regard with satisfaction. It consists of a long run." The greatest of proverbial philosophers has also very simple arrangement of the sash, by which it may be said, "A faithful man shall abound with blessings but he quickly removed for cleaning, glass setting, or other pur that maketh haste to be rich shall not be innocent," and poses, and as quickly restored. A dwelling house furnished again, "He that hasteth to be rich hath an evil eye, and con with these sashes has a positively increased value, for the sidereth not that poverty shall come upon him." He hasglass work may be kept in handsome condition with much tens best who hastens slowly; not lazily, for there must be less labor than heretofore. This is an invention that is work, backed by energy, perseverance, intelligent selfneeded in almost every household. Considering that it is denial, and thorough business habits. Believers in business applicable to every window in every house, it will be seen; impossibilities are not as numerous as formerly. For years that the uses of the invention, even in a small town, are we seemed to be living in the atmosphere of venture and great undertakings, and our whole industry was tinged with Mr. Allen Cox, of Boston, Mass., has patented a sheet the unearthly light, but of late years we have been suffering metal pan, made without rivets, wire, or solder, and having from a collapse of these great hollow ideas, and there is hope

The past six years of depression has solidified all branches sometimes advertised with such taking titles as "The Secret Joseph Kintz, of West Meriden, Conn., consists in a novel of Success," "The Road to Wealth," etc., but they make ence. These come only of years of intelligent labor and devotion to business, prudence, economy, honest dealing, ented an improvement in apparatus for the manufacture of courage, and perseverance. He that would have true and lampblack. It consists in a certain novel construction, lasting success must deserve it. A fortune won by blunder or accident, by short cuts, by strategy, or close bargains is not success, and is likely to leave its possessor as quickly as A self-locking hook, so constructed that the weight of it came. Success must be conquered in a legitimate way. ness man, and is never regarded by his fellows as a success The invention consists in forming upon the shank of the ful man. The truth is that real success does not mean civility, promptitude of thought and action, intelligence, so briety, and every manly virtue.

The truly successful business man is one who is complete in everything that belongs to his calling. He has a thorough Adams, of Philadelphia, Pa., consists of four tongued and knowledge of what has been done in his business, and ap grooved flat metal bands, each bent at a right angle, so that plies this knowledge with untiring diligence to the under takings before him. He watches and studies the markets, frame that may be extended or contracted as required to knowing how much is produced of the commodity in which A binding for oil cloths, so constructed as to confine and and execution, truthful in word and conduct, and keeps his . protect the edge of the oil cloth while allowing the binding credit unimpaired. In all that he does he commands the reto be rolled into a coil, for convenience in handling, storage, spect and confidence of all with whom he deals, and maintransportation, and use, has been patented by Mr. George tains a high and noble character before the world, which is S. Eaton, of Brooklyn, N. Y. The invention consists in a beyond all price. The principal of the "survival of the flexible metallic oil cloth binding, made with a thickened fittest" is nowhere more applicable than in business matters. flanged edge to rest against the edge of the oil cloth, and at. The unworthy and incapable are sure in the long run to sink to their proper level. - American Manufacturer and Exporter.

How Copyright Differs from Patent Right.

The Supreme Court of the United States has lately given relates to certain improvements in apparatus for supporting two opinions which illustrate what mistaken notions of copy pottery ware in kilns and ovens while being baked, glazed, right are sometimes held by courts, as well as by lawyers or otherwise fired, and has especial reference to the seggars and clients. Some years ago Charles Selden, of Cincinnati, published a book entitled "Selden's Condensed Ledger, or Book keeping Simplified." In this book, and in one or two others that he published about the same time, the author ex plained a new system of book-keeping which he had in etc., as would enable a person to understand and apply the system. Each of these books was duly copyrighted. Sel tors. But others made use of it without asking the inven-

be the subject of copyright; but no one would contend that Among the rare bits of wordly wisdom uttered by Major the copyright of the treatise would give the exclusive right to the art or manufacture described therein."

In the other case referred to, copyright was claimed in a map of New York city constructed on an original and peculiar plan. Substantially the same plan was used without be ornamented. Mr. Isaiah M. Clark, of Coldwater, Mich., haste to be rich. 'I've stood here on State street,' said he, authority in a map of Philadelphia. The United States Supreme Court, without denving that the unauthorized publication of the map of New York would be piratical, held which will adhere to any object as firmly as wood veneers. have seen men go up in worldly wealth, and go down, and that the copyright did not protect the mere plan, and hence Mr. D. W. Clark, of Tidioute, Pa, has recently taken a I've always noticed that those persons who were content with did not prevent the defendant from making a map of another

A File of Novel Construction.

The Ironmonger states that at a recent meeting of the Royal Scottish Society of Arts, Mr. J. Kirkwood, of Edinburgh, described a new file for soft metals and wood. This tool is formed of about 200 pieces of separate steel, connected by an iron bar which is passed through the whole and bound together by a screw. The advantage claimed for the file is that filings of soft metals or wood can be got rid of by simply loosening the screw, and thereby separating the plates, this being done with very little delay or inconvenience. Each file will, it is said, last three years, outwearing 30 dozen ordinary files. The cost of the latter would be 361, and the saving that would be effected by using the new file would be 321. Mr. Kirkwood's file is said to be capable of perform-

This file seems to be simply a copy from American patents cess is attained by any kind of patent process. Books are granted several years ago. For example: J. W. Houston's patent, January 19, 1858, shows a file made as above described; G. B. Cubberley's patent, June 2, 1868, ditto; J. H. Clark, July 5, 1870, ditto. In all of these patents the tool is formed of separate pieces of steel, connected by an iron bar, passed through the whole, bound together by screw, and operated as above mentioned.

British Solidity and Caution.

Our neighbor, the World, pungently remarks that if the evidence about the Tay Bridge had been given concerning an American structure which had tumbled down and killed ninety or a hundred persons, would not our esteemed British contemporaries have denounced American fraud and flimsiness? As to the metal used for the columns, moulders employed in the work for twenty-seven years "never saw worse;" the coke used for melting it was inferior; holes and cracks were patched up with cement; none of the defective columns, "which were numerous," were broken up, but went into the work, and so on. The most favorable testimony was that of one of the foremen who had been engaged in casting these columns, and he said that the material "was not so terribly bad-for building iron." Not a few witnesses, such as ex-Provost Robertson, of Dundee, an engineer, testified as to the habitual recklessness of the drivers on the Other habitual travelers gave up the bridge bridge. . he deals and the amount consumed; he is prompt in decision on account of the oscillations and took to the ferry. Altogether the evidence thus far taken seems to indicate such scamping" in fitting up the bridge and such recklessness in using it as our British brethren have been accustomed to depict as exclusively and characteristically American, and to compare, to our manifest shame and disadvantage, with British solidity and caution.

More New Mines.

The Tucson (Arizona) Citizen, of February 7, contains the following: Some exceedingly rich mines have been discovered on the east side of the Graham mountains, in Stockton's Pass, about twenty-two miles from Safford and twelve from Fort Grant. The first locations here were made by B. D. Jones, brother of Senator Jones, and since that time locations have been made by others. The most important claims developed are the Delaware and the Pioneer. The ledge is two and a half to three feet wide, and traceable from 1,800 to 1,900 feet without a break. The assays are \$2,300 in silver and \$722 in gold. The claims are situated on the north side and in plain sight of the main traveled road. The discoveries have created considerable excitement, and many prospectors are flocking there. One of Jones' mines, the Garibaldi, carries magnificent gold ore, the shining particles being visible in every piece of rock. There is plenty of wood, water, and grass in the vicinity, and a town site has

A RAILWAY with some novel features has been recently by the Supreme Court, which does not deny that a work on weigh nine tons, and among the rolling stock are ten platbook-keeping may be the subject of a copyright which will form wagons, which are arranged for conveying wagons Conn., have patented a die for forming double spiral grooves, prevent the unauthorized copying of the book. But the sys- from the main line, without the goods being transferred. subject of copyright. This is an invention for which pro inal larger gauge, and they rest on two bogie trucks, having tection, if any there be, should be sought under the patent four wheels each. Thus the larger wagons can be con-A chop conveyer for millstones, patented by Messrs. James laws. The court drew a distinction between a book as a veyed over the sharpest curves of the narrow line. These composition and the art, process, or secret described in it.: platform wagons weigh three tons, and the large wagons, rich, Ontario, Canada, consists in a spiral conveyer fitted of A treatise on the composition and use of medicines," says with full charge, weigh fifteen tons, giving a total weight of to revolve in a channel around the bedstone and below the the opinion," "be they old or new, on the construction and eighteen tons, which, divided among the four axles, gives a use of plows, or watches, or churns, or on the mixture and maximum load of only four tons fifty per axle. Passengers, discharge spout; also, in the construction and manner of application of colors for painting or dyeing, or on the mode as well as goods, are conveyed on the line. The total cost of drawing lines to produce the effect of perspective, would of the line has not exceeded 250,000 francs.