THE COMPLETE PRACTICAL CONFECTIONER. By J. T. Gill. Chicago: Confectioner and Baker Publishing Company. 12mo.

Though intended primarily for the trade this practical hand book will be found handy and useful to the better sort of housekeepers and cooks. Its eight part comprise a large number of receipts, processes, etc. with relation to iced confections, compotes, jellies, preserves, etc.; the canning and bottling of fruits, etc. sirups, aerated and other beverages; machinery and materials for candy making; candy making processes fruits, nuts, etc. The author offers no information with respect to the adulteration of candies further than to condemn in very plain language certain well known practices.

ANALYTICAL AND TOPICAL INDEX TO THE REPORTS OF THE CHIEF OF ENGINEERS AND THE OFFICERS OF THE CORPS OF ENGINEERS, U. S. A., UPON WORKS AND SURVEYS FOR RIVER AND HARBOR IMPROVEMENT, 1866 to 1879. Compiled under the direction of Major Henry M. Robert, Corps of Engineers. Washington: Government Printing Office. 1881.

The value of this index is not confined to its obvious convenience to officers of the engineer corps. Its plan makes it a ready guide to a vast amount of local information concerning the botanical, geological, geographical, and other features of our rivers, valleys, and harbors; and also to a vast amount of professional experience in operations for river and harbor improvements, canal construction, the construction of dams, diking, dredging, rock cutting, mining, and so on.

Westward Ho! By Charles Kingsley. 12mo, cloth. pp. 591. \$1.

Hypatia. By Charles Kingsley. 12mo, cloth. pp. 487. \$1. New York: Macmillan & Co.

These two novels of Mr Kingsley, which have won an enduring place in English literature, are here presented in substantial library style, at a price which makes them as commendable specimens of cheap book making as we have seen.

THE CARPENTER AND JOINER'S HAND BOOKS. By W. H. Holly. New York: John Wiley & Sons. 32mo, cloth. 75 cents.

A revised and enlarged edition of Mr. Holly's little hand book. The directions are plain and amply illustrated with cuts.

Familiar Science Studies. By Richard A. Proctor. New York: R. Worthington. 12mo, cloth. pp. 442. \$2.25.

Mr. Proctor has brought together in this book a number of his later contributions to English and American periodicals. They cover a wide range of subjects, from "infinity" to the "fifteen puzzle." The book includes the chapter on the "menacing comet" just now attracting attention in certain quarters.

LECTURES IN A WORK SHOP. By T. P. Pemberton. New York: The Industrial Publication Company.

The writer has the moral, social, and industrial welfare and improvement of mechanics very much at heart, and talks to working men in a sensible, kindly, and encouraging way, which cannot fail to be inspiring and helpful. The appendix contains the more notable and not easily accessible papers of the eminent mechanician and inventor, Sir Joseph Whitworth.

SEAMANSHIP. By Captain Sir George S. Nares, R.N. Revised and enlarged, by Lieutenant A. C. B. Bromley, R.N. 8vo, pp. 291. 21 shillings. Portsmouth: Griffin & Co.

The additions to this, the sixth edition of Captain Nares' thorough and comprehensive treatise on practical seamanship, are many and important. They include the use of steel and flexible steel wire in ships' fittings; torpedo boats and the handling of them; the construction of broadside and turret ships; life boats and their management; night and fog signals; rocket apparatus; the Walker and the Thomson sounding machines; Walker's patent log; Sir William Thomson's compass, and other recent developments in marine methods and appliances. The work is abundantly illustrated; and, though specially designed as a hand book for British officers, it is well calculated to be of use to young American officers in the mercantile as well as the naval service.

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INDEX OF INVENTIONS

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Axle box, car. J. H. Elward	253,68
Ario hor govern T. A. Myone	959 99

	Stientitit	
R.	Bag or satchel, L. Lowenherz	Ga Ga
er 10.	Bar. See Boring bar. Barel swing, J. A. Baldwin 253,495	Ge
ti- he	Basin. wash, F. A. Palmer	Gla
rts c.,	Prewitt	Gla
re c.;	Bearing, anti-friction roller, H. Büssing 253,679 Bed and lounge, sofa, A. S. I. Gabbs 253,596 Bed bottom, A. S. Burnham 253,678	Gla
nd es,	Bcd, cot, I. S. Pear. 253.552 Bedstead, wardrobe, H. O. Bicknell 253.576	Gla
ion ian	Bedstead, wardrobe, T. Saxton	Gla
wn	Bell, door, J. J. Johnston 253.610 Belt attachment, B. Merritt 253.548 Bicycle saddle, F. G. Burley 253,504	Go
HE RS	Billiard table, C. W. McLean	Go Gr
OF VD	Boiler. See Cooking boiler. Boiler attachment, domestic, S. Letchford 253.728	Gr
M- ed	Boiler tubes, metallic stopper for, J. W. Fowler 253.691 Bolt cutter, stay, N. Thomas	Gri Gri
M. g-	Boot or shoe, W. Comey	Gri
31. ous	Bottle cooler, P. M. Wenther 253,796 Bottle stopper, C. A. Warfield 253,566	Gu Ha
lan in-	Box. See Axle box. Fire alarm box. Leather box. Match box. Nail box. Telegraph signal box.	Ha Ha Ha
eo- nd	Brace. See Machine brace. Bracelet, W. A. Johnson	Ha
ex- ve-	Brake. See Steering wheel friction brake. Brush supporter, A. Rittmeyer	Ha Ha
ns,	Building, fireproof, J. Arbuckle. 253,658 Eurial casket. H. Hutchinson. 253,708	Ha He
10,	Burner. See Vapor burner. Butter, treating, Kendall & Roberts. 253,820 Button, Bailey & Talbot. 253,573	He
տ, ւ c -	Button fastener, F. A. Smith, Jr	He
an	Button fastening, F. A. Smith, Jr. 253,63° Can. See Oil can.	Ho
ted	Candle for electric lighting, J. B. J. Mignon	Ho Ho
ık-	Car coupling, M. A. Bessette. 253,575 Car coupling, M. W. Lane 253,723	Ho
s.	Car coupling, J. A. Porter. 253,626 Car coupling, D. P. Prescott. 253.554	Ice
hn is.	Car coupling, Williams & Knight	Jac Jar
tle 18-	Alker	Jan
Α.	Cars, apparatus for heating freight, W. E. Eastman	Jev Kil
n.	Cars, gripe for propelling, R. F. Bridewell 253,673 Carburetors, oil distributing mechanism for, W.	Kn Kn
m-j an	M. Jackson	Kn
om les	Carving fork, T. A. Shinn	Kn La
ct-	Chair. See Dentist's chair.	La
m-	Chandelier, extension, J. T. Bruen	La
ai	Cloth tentering, drying, and calendering machine, A. Woodman 253,896	La
el- rt,	Clothes drier, portable folding, G. H. Briggs	Lea
nd nd	Collar, R. S. Norton	Lea
nd an	Colors or dyestuffs, manufacture of, H. Koechlin. 253,721 Comb. See Currycomb.	Lif Lig
s.	Commode and slop pail combined, portable, J. W. Drew	Loc
oy '0,	Continuous recorder, J. B. Moscrop 253,745 Cooking boiler, J. A. Wood. 253,805	Loc
h:	Cooler. See Bottle cooler. Cooling and ventilating houses, T. McGrory 253,440	Loc
tin ti-	Cooling dwellings, device for, J. A. B. King. 253,535 Corn sheller, Ricker & Lewis. 253,639 Corset, J. N. Lemen. 253,717	Lu:
de gs;	Corset stiffener clasp, C. V. Turner. 253.642 Cotton press feeder, R. I. Kirkpatrick. 253,719	Ma Ma
ct- eir	Coupling. See Car coupling. Cradle, W. H. Earnest (r)	Ma Ma
18; es;	Cradle and crib, combined, C. M. Boutwell 253,502 Crusher. See Stone and ore crusher. Cuff holder and adjuster, H. E. Deacon	Ma Ma Me
ss, nd	Currycomb. C. C. Egerton	Me Me
ish	Dentist's chair, J. S. Thompson	Me
ng val	Door and window guard, J. L. MacDonald 253,732 Drier. See Clothes drier. Fruit drier. Eggs, apparatus for bolding and carrying, Halley	Mil
<u></u>	& Barr	Mil Mil
	Electric lights, etc., apparatus for elevating poles for, J. D. A. Mensing. 253,743	Min Mo
	Electric lighting apparatus, M. G. Farmer 253,817 Electrical conducting wires with metallic armor, machine for covering, W. Halkyard 253,529	Mo Mo
re	Elevator. See Hydraulic elevator. Engine. See Gas engine. Pumping engine. Steam	Mo Mo
	engine. Excavator, earth, W. A. Nutt	Mu Nai Nu
	Exploder for firing blasts, A. Watson	Oil
E.	Fastening device, R. II. Wadlow 253,791 Fence bard, wire, H. J. Schmeiser 253,632	Oil
_	Fence, portable, O. E. H. N. Reichling	Oile
ny .ed	Fence wire barbing machine, 11. W. Putnam 253.824 Fencing, machine for making barbed wire S. M. Stevens	Org Par
ts.	Fire alarm box, non-interfering, J. W. Stover 253,639 Firearm, breech-loading, W. Mason 253,736	Par
id-	Firearm, magazine, W. Trabue	Par
Ve 66;	Fork. See Carving fork. Hay fork. Loom weft fork. Fruit drier, J. J. Johnston	Par Par
ng	Furnace for chemical purposes, J. Mactear	Par Pea
— 795	Furnace sheet for steam boilers, H. C. Darby 253,516 Furnaces, apparatus for utilizing the waste pro-	Pho
687 729 568	ducts of combustion in, T. S. Speakman 253,780 Gauge. See Axle box gauge. Shingling gauge. Galvanic battery, A. M. G. Sébillot 253,769	Pic Pile Pip
582	Game ring, sportsman's, E. Bourne	2

:: -		
Fas engine, R. Hutchinson	Planters, check line guide for corn, G. D. Haworth	2
Gem settings, manufacturing, J. R. Feeley 253,524 Generator. See Steam generator. Telephone sig-	Planting and fertilizing machine, potato, C. L. Woodward	
nal generator. Hass casks, barrels, etc., manufacture of, C. W. McLean	Plow, J. J. Adcock et al. 253.489 Plow, sulky, T. V. Plice 253.761 Plow, sulky, J. K. Worthington 253,807	
Flass coffin, C. W. McLean	Potato digging machine, H. D. Herrington	
W. McLean	power. Precious stones, coating real and imitation, F. E.	
facture of, C. W. McLean 253,540 class mantle, C. W. McLean 253,542	Meyer (r). 10,037 Press. See Hay press.	l
Flass slabs, manufacture of annealed and tough- ened, C. W. McLean	Pressure regulator, J. E. Watts	
Flobes, mountingfor, F. Cheney	Kerr & Haworth	7
Taylor	Pulley, sash cord, T. Breen	;
Grain binder, H. J. Case 253-507 Grain separator, C. E. McNeal 253,546 Grain separator, D. Liverger 253,546	Pump. F. F. Pierce. 253,760 Pump, steam, Eaton & Tufts 233,636 Pumping opening duplor, D. S. Hings 252,604	;
Frain separator, L. Morgan	Pumping engine. duplex, D. S. Hines	
Grinding mill, roller, C. T. Hanna	Railway signaling apparatus, F. L. Pope. 253.762 Railway switch, P. Nelan 253,749	
Guard. See Door and window guard. Gun, magazine spring, A. L. Rich	Railway switch, J. H. Wait 253.792 Railway vehicle, A. Estrade. 253,592)
Hair tonic, L. Forbes. 253,594 Hammer, blacksmith's forging, M. M. Fish. 253,689	Ranges, elevator oven for, J. J. H. Schlag et al 253,631 Recorder. See Continuous recorder.	
Hanger. See Hat and coat hanger. Harvester, C. Young	Recording gauge, E. A. Tbissell	
Harvesting machine, J. W. Hull	Rein, driving, A. T. Peirce	
Hat brims, apparatus for shaping, L. H. Hoyt 253,818 Hay fork, horse, W. Andrews 253,657 Hay press, P. Lord 253,536	Rivet, E. L. Babcock. 253,194 Rolling mill, J. Ostrander. 253,754 Rolling mill, in Forter & Worden	ı
Heater. See Steam heater. Hedge trimmer and mower, combined, J. V. Latt-	Rolling mill. iron, Foster & Weaver	
ner	Root and vegetable washer, L. R. Raoul. 253,590 Saddle loop, harness. L. Dare 253,684)
Heel machine, F. Pease 253,758 Hobbyhorse or rocker motive, H. M. Small 253,557	Sail hank, T. Haggerty 253,528 Sash fastener, J. E. Howard 253,534	3
Hoisting and winding drum. F. A. Gardner 253,525 Hoisting machine, V. C. Jarboe 253,714	Sash fastener, Tyler & Atwood. 253,563 Saw, crosscut, E. M. Boynton. 253,671	
Holder. See Cuff holder. Lead and crayon holder. Mop holder.	Saw jointing device, E. Preston. 253,555 Saw set, N. J. Webb. 253,794	Ļ
Horse detacher, H. Fleischhauer	Saw, swing, Connell & Dengler	7
Iydraulic elevator, C. T. Widstrand 253,799 ce house, Von Krause & Kuhnen 253,798 nsect destroyer, F. T. Pinter 253,655	Scale, weighing, J. B. Atwater 253,659 Screw, jack, S. C. Megill 253,617 Seal, metallic, E. J. Brooks 253,674	1
ack. See Lifting jack. ars and other receptacles, cover for pickle, T.	Seesaw, L. J. Adams. 253,571 Separator. See Grain separator.	
Leach	Settee, folding, C. B. Demarest	j
cover for, T. Leach	Morley	
Cilinfor burning articles manufactured from clay, J. Dawson	Sewing machine attachment for making fringe, D. Sheplie	
Initing machine, W. Aiken	Sewing machine feed mechanism, C. Luessen 253,731 Sewing machine hemmer, C. E. Rice	;
Knitting machine, circular, P. I. Harvey 253,531 Knob attachment, H. R. Towne 253,789	Sheet metal pipe. W. Austin	
acing stud for shoes, J. L. Joyce	Shinglinggauge, G. B. Clark 253,816 Shirt, A. Baxter 253,574	į
Lamp, electric, A. M. G. Sébillot. 253,770 Lamp, electric, H. B. Sheridan 253,776	Shot, kettle for making drop, J. E. Reddy 253,764 Show stand, revolving, Pearce & Jones 253,757	
Lamp, electric, W. L. Voelker 253.645 Lampflxture, W. A. Hull 253,706 Lamp flxture, etc., W. A. Hull 253,707	Signal. See Alarm signal. Sirup from cane juice, manufacture of, A. H. Isaacson	,
amp, incandescent electric, W. L. Voeiker 253,646, 253,647 .ead and crayon holder, automatic, R. Wittmann 253,803	Sizing machine, roller, A. L. Warckmeister. 253,565 Skate, roller, C. E. Marshall 253.735	i
eather boarding and graining machine, J. H. Hovey	Skate, roller, H. Tapper 253.784 Slate attachment. drawing, D. S. Cooke 253,514	Į
Leather box, A. & H. Hofft	Sleigh, J. T. Gurney 253,694 Sleigh, R. J. Talbot 253,560)
ifting jack, G. A. Ohl	Smoking pipe, J. Cole	
ock. See Alarm lock. ock escutcheon, J. H. Barnes	Spinning machine spindles, support for, J. E. Atwood 253,572 Spittoon, O. Mossberger 253,746	
cocomotive ballast crushing machine, A. B. Austin	Spoois, etc., machine for making, H. R. Sillman 253,778 Stand. See Show stand.	
Joom weft fork, J. C. Burke 253,812 Jooms, picking shoe for, H. B. Murlless 253,619	Stay busk, II. & B. G. Simpson 253,779 Steam engine, M. W. Hall 253,696	
umber, process of and apparatus for drying, J. Randall	Steam generator, T. McGregor. 253,758 Steam heater, E. E. Gold. 253,693	
Machine brace, M. Beal 253,497 Magneto-electric machine, J. B. Blair 252,577 Magneto-electric machine, M. A. Hardy 253,699	Steam trap, G. B. Boomer	
langie, J. F. Baldwin 253,661 lap rack, G. A. McLane 253,538	Stone and ore crusher, H. B. Meech. 253,742 Stopper. See Bottle stopper.	
farking cloth, etc., device for, A. W. Allen 253,490 fatch box, J. Woodward	Store service carrier, H. H. Hayden. 253,700 Stove, gas, C. Rupert 243,767	
1 feasure and funnel, combined, O. Schorse. 253,633 1 feat slicer, A. & A. Iske. 253,819	Stove, gas cook, J. H. Bean. 253,499 Stove knob, J. Chester 253,539	
Mechanical movement, P. T. Coffield 253,680 Mechanical movement, R. W. Whitney 253,798 Mechanical movement, R. W. Whitney 253,798	Stove, oil, J. H. Irwin 253,667 Stove. oil, R. M. Merrill 253,744	
tetal rods, machine for straightening and polish- ing iron, steel, and other, J. Illingworth	Stove plates or tablets, device for attaching, R. Ham	
Windmill. fillstone dressingmachine, W. W. Cleaveland 253.511	Supporter. See Brush supporter. Garment supporter.	
Hillstone driver, A. Callahan 253.681 Hining machine, coal, T. Murray 253.747 Hone below D. T. Drive 263.747	Swinging gate, L. M. Evans 253,593 Swinging gate, J. W. Zentmyer 253,810	
for holder, R. T. Davis	Switch. See Railway switch. Table. See Billiard table.	
Iotive power, N. A Penland 253,623 Iotor, J. L. Dobbs 253,685	Talc and coating articles there with, preparing, H. McCormick	
10wer, weed and lawn. Pike & Loy	Phelps	
Yail box, Smith & Doig 253,559 Yut locking plate, J. Smith 253,688	Telephone receiver, G. L. Anders	
bil cake, manufacture of, J. McDougall	Telephone relay, H. E. Waite	
vil from vegetable substances, apparatus for the separation or extraction of, M. Lancaster 253,722 viler, locomotive, Brooks & Bowen 253,579	Telephone transmitter, Bartiett & Waite 253,665 Tbrasher band cutting and feeding attachment,	
re concentrator, A. M. G. Sébillot	Caldwell & Burgess	
aper, apparatus for reducing wood, etc., to pulp for, S. M. Allen	Tobacco, method of and apparatus for treating, G. Clark	
aper box covering and trimming machine. H. Inman	Tongue for agricultural implements, J. I. Hoke 253,704 Top, spinning, J. Ilill	
Paper for making gelatine bromide of silver prints, preparation of photographic, Hutinet & Lamy	Towel rack, T. C. Clapp	
aper, manufacture of, D. R. Burns. 253,814 aper pulp, manufacture of, S. M. Allen. 233,635	Trimmer. See Hedge trimmer. Tub. See Bath tub. Turrets, device for operating tool holding, J. B.	
aper pulp, etc., manufacture of, S. M. Allen. 253,656 earls on finger rings, etc., setting, J. Bergfels. 253,667	Secor	
hotographs, producing colored, J. B. Germeuil- Bonraud	Valve, pop safety. W. E. Pearson. 253,622 Vapor burner, J. H. Bean. 252,498	
icture exhibitor, A. Lueckel	Vase for cultivating strawberry and other plants. J. J. Johnston	
Smoking pipe, itcher, L. C. Hiller	Vase forflowers, monumental, J. J. Johnston 253,611 Vase for window gardening flower, J. J. Johnston 253,716 Velocipede, T. McGregor. 253,739	
lanter, corn, G. W. Brown 253,580	Vise, C. L. Butler	

 Game ring, sportsman's, E. Bourne.
 253,501

 Garment, G. W. Parker.
 253,755
 Pil

 Garment supporter, M. Marcus.
 253,615
 Pl

 Wagon brake lever, Barker & Slauson.
 253,662

 Wagon, hay, W. M. White.
 253,650
 Washer. See Root and vegetable washer.
Washing machine M. C. Order Water lifter. automatic. A. G. Waterhouse. Whistle blank. steam, W. F. Heath...... 253,701 Windmill, J. N. Adams...... 253.651 Wire barbing machine. Ayres & Decker. 253,650
Wrench, Bielefeld & Hinkle. 253,500 Wrench and drill, combined. J. A. Miller 253,549 Wringer. See Clothes wringer

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