

The Michigan Tradesman.

VOL. 3.

GRAND RAPIDS, MICHIGAN, WEDNESDAY, DECEMBER 2, 1885.

NO. 115.

G. ROYS & CO.,
No. 4 Pearl Street, Grand Rapids.

WHIPS
—AND—
LASHES

Positively at wholesale only. Orders by mail receive prompt attention and liberal discount.

LUDWIG WINTERITZ,
(Successor to P. Spitz.)
SOLE AGENT OF

Fermentum,
The Only Reliable Compressed Yeast.
Manufactured by Riverdale Dist. Co.,
ARCADE, GRAND RAPIDS, MICHIGAN.

Grocers and Bakers who wish to try "FERMENTUM" can get samples and full directions by addressing or applying to the above.

THE PERKINS WIND MILL.

It has been in constant use for 15 years, with a record equalled by none. Warranted not to blow down unless the tower goes with it; or against any wind that does not disabuse substantial farm buildings; to be perfect; to outlast and do better work than any other mill made. Agents wanted. Address Perkins Wind Mill & Ax Co., Mishawaka, Ind. Mention Tradesman.

EATON & CHRISTENSON,
Agents for a full line of

S. W. Venable & Co.'s
PETERSBURG, VA.,
PLUC TOBACCOS,
NIMROD,
E. C.,
BLUE RETER,
SPREAD EAGLE,
BIG FIVE CENTER.

DRYDEN & PALMER'S
ROCK CANDY.
Unquestionably the best in the market. As clear as crystal and as transparent as diamond. Try a box.
John Caulfield,
Sole Agent for Grand Rapids.

BEANS.

I want to buy BEANS. Parties having any can find a quick sale and better prices by writing us than you can possibly get by shipping to other markets. Send in small sample by mail and say how many you have.

W. T. LAMOREAUX, AGT.,
71 Canal Street,
GRAND RAPIDS, MICH.



TO THE TRADE.
We desire to call the attention of the Trade to our unusually complete stock of

SCHOOL BOOKS,
School Supplies

And a General Line of Miscellaneous Books, Stationery, Paper, Etc.
We have greatly increased our facilities for doing a General Jobbing Business, and shall hereafter be able to fill all orders promptly. We issue separate lists of Slates, School and Township Books, Blanks, Etc., which will be mailed on application.
Quotations on any article in our stock cheerfully furnished. We have the Agency of the
REMINGTON TYPE WRITER
For Western Michigan.

Eaton & Lyon
20 and 22 Monroe St., Grand Rapids, Mich.

ARTHUR R. ROOD,
ATTORNEY,
43 PEARL STREET, ROOD BLOCK,
GRAND RAPIDS, MICH.
Collections a Specialty!

Time is valuable. The Grand Rapids Business College is a practical trainer and fits its pupils for the vocations of business with all that the term implies. Send for Journal. Address C. G. SWENBERG, Grand Rapids, Mich.

STEAM LAUNDRY
43 and 45 Kent Street.
STANLEY N. ALLEN, Proprietor.

WE DO ONLY FIRST-CLASS WORK AND USE NO CHEMICALS.
Orders by Mail and Express promptly attended to.

PERKINS & MASON,
Insurance and Law Office,
SOLICITORS OF PATENTS.
MONEY TO LOAN
ON REAL ESTATE.
PENSION, BOUNTY AND ALL
WAR CLAIMS PROSECUTED.
Correspondence Solicited.

75 Lyon St., Court Block, Grand Rapids, Mich.

LADIES
AND
CHILDREN:
How to make a light summer shoe "do" for winter.
Mothers, do not fail to investigate this.

NOTICE:
The copartnership existing between Albert, Chas. A. and Jas. A. Coye is this day dissolved by mutual consent, Jas. A. Coye retiring. The business will be continued at the old stand by the undersigned, who will receive and pay all debts.

Albert Coye,
Chas. A. Coye.
Nov. 16, 1885.

READ! READ! READ!

HAZELTINE, PERKINS & CO. have
Sole Control of our Celebrated

Pioneer Prepared Paint!

The ONLY Paint sold on a GUARANTEE. Read it.

When our Pioneer Prepared Paint is put on any building, and if within three years it should crack or peel off, and thus fail to give the full satisfaction guaranteed, we agree to repaint the building at our expense, with the best White Lead, or such other paint as the owner may select. Should any case of dissatisfaction occur, a notice from the dealer will command our prompt attention. T. H. NEVIN & CO., Send for sample cards and prices. Address

Hazeltine, Perkins & Co.
GRAND RAPIDS, MICH.

Sweet 16
Laundry Soap

MANUFACTURED BY
OSBERNE, HOSICK & CO.
CHICAGO, ILL.

PEIRCE & WHITE,
JOBBER OF
CHOICE IMPORTED AND
DOMESTIC CIGARS,
Plug, Fine Cut and Smoking
Tobaccos,

Specially Adapted to
the Trade.
79 Canal Street, Grand Rapids, Mich.

SEEDS
We carry a full line of Seeds of every variety, both for field and garden. Parties in want should write to or see the
GRAND RAPIDS GRAIN AND SEED CO.
71 CANAL STREET.

THE RICKARD LADDER!

Two Ladders in one—step and extension. Easily adjusted to any height. Self-supporting. No braces needed. Send for illustrated price-list.
RICKARD BROS., Grand Rapids, Mich.

"ONE OF MY CLERKS."

There was much speculation and suppressed excitement in the office of Messrs. Cragsby & Golding, leading wholesale grocers at a neighboring market. Mr. Cragsby, for many years the senior partner in the firm, had just died, and the conduct and management of affairs had thus devolved upon Mr. Golding, who was now sole partner, and also nephew and executor to the deceased. The event had caused in the office a feeling of unanimous regret.

While by nature a just man, Mr. Cragsby had been an unusually kind one—so far, at all events, as those whom he employed were concerned. A man of high principle and strict probity, he never made his own uprightness and rectitude an excuse for severely judging others. As one of his clerks put it, "Cragsby was strict, but you couldn't help liking him, for he would never find fault without a cause for it." This necessarily insured him the respect and liking of those who were under his authority.

Another circumstance which added to his popularity was the fact that he disliked making changes in the arrangements of the firm. Having once employed a man and found him trustworthy, Mr. Cragsby preferred to retain him, even though the salary paid continuously increased. This gave a feeling of security to clerks and store help, which remained undisturbed till the death of the chief rudely awakened them, when they remembered how different were the views and opinions of the junior partner, who would now hold undisputed sway. For Mr. Golding was accustomed to rate his social inferiors by a very different scale. Each, in his eye, had "a market value." That was his phrase. A man might have served the firm well and faithfully for twenty or thirty years, but this, in Mr. Golding's estimation, gave him no claim to regard or consideration.

But, as almost always happens, there was one person with whom his rudeness of manner was veiled by courtesy, his asperity softened into mildness, by the desire to please, and this person was the daughter of the late partner, and consequently his cousin, Elinor Cragsby.

For some years Mr. Golding had cherished in his inmost heart—or perhaps it would be better to say mind than heart—a liking for his fair relative, and had set himself to gain her favorable regard. As yet, however, he had not achieved any marked success, but he was of a dogged, persevering nature, and did not despair. The match would be a very advantageous one, for Elinor was, by her father's death, placed in possession of a considerable fortune, which would be of use in extending and improving the business.

"For," as Mr. Golding was wont to say to a few friends, "Cragsby was a good fellow enough, but slow and old-fashioned—couldn't keep pace with the age." And now that the game was in his own hands he began to launch out more boldly. But to do this required capital, and this, if he could but win his cousin's regard, was ready to his hand. Elinor's personal attractions, which had in reality first captivated him, would have been almost sufficient to induce him to seek the alliance, but Elinor's wealth was irresistible.

"Renshaw, the governor wants you," said one of the seniors to a young man who, bending over his desk, appeared so intent upon his occupation that the other had to repeat his words, and in a louder key, before any notice was taken.

Then Gilbert Renshaw, with a brief, "Thank you, Brown," put his work carefully in his desk, and locking it, turned and walked quietly across the office to the private room. Mr. Brown looked after him: "He's a queer one," he soliloquized.

"He's been here four or five years, and he takes things as coolly as if he had been here all his life—more coolly, in fact. Half of us would have gone to Golding full pelt, but not he; catch him hurrying. I can't make him out," and with this candid admission, Mr. Brown turned his attention to his letter-writing.

Meanwhile Gilbert Renshaw had entered the private room where Mr. Golding sat alone.

"You have kept me waiting, Mr. Renshaw."

"I regret to hear it, sir," was the quiet reply. The chief shifted in his chair and looked up at the young man. Of all his clerks, apart from the important question of their "market value," Gilbert Renshaw was the one whom he most disliked.

"I have sent for you, Mr. Renshaw," resumed the chief, "to point out an error of yours in these papers—an error which might have involved grave consequences."

Gilbert Renshaw bowed, but said nothing. The error thus magnified into so much importance was in reality a trifling oversight, and was for the most part the fault of a junior. This, probably, Mr. Golding well knew, but as the papers would come before Renshaw for revision he chose to assume that the entire blame rested with him. The

young man was at once too high-minded and kind-hearted to exculpate himself by accusing his junior, and in a few words expressed his regret.

"It must not occur again, Mr. Renshaw." Gilbert bowed, but made no reply, and then, after taking his principal's directions, left the room.

Mr. Golding looked after him with an annoyed expression on his face.

"If I catch you tripping again," he muttered to himself, "you shall suffer for it, my friend."

But the days went by, and for a time his vindictiveness remained without an opportunity to exercise itself.

He was shrewd enough, however, to await his opportunity. And that was not long in coming. One Saturday afternoon he happened to want Gilbert for some purpose, and sent for him. The young man could nowhere be found. Mr. Golding glanced at the clock and frowned angrily.

It was just ten minutes to the time at which, their work being done, the clerks were entitled to leave. Some were already closing their desks and making preparations for departure, but the sudden appearance of the chief in the outer office galvanized them into renewed activity. A kind-hearted senior in the meantime surreptitiously dispatched an office boy to the restaurant which Gilbert generally frequented, but the well-meant effort was fruitless.

Mr. Golding walked across the office to the farther window, which, the house being a corner one, commanded the length of the street, and stood looking out. Suddenly he uttered a slight exclamation, which drew all eyes, with glances more or less furtive, to the window. There, at some little distance, quietly strolling along, was Gilbert Renshaw. Unconscious of those watching him he paused at the corner, looked at his watch, and, after a moment's hesitation as if uncertain what course to pursue, turned into a side street and disappeared.

Monday morning came, and to the amazement of each and all Mr. Golding was the first at the office. The store help, who were naturally among the earliest, were warned by the book-keeper in a mysterious whisper that "the governor was there." A greater degree of order and silence reigned that morning than was usual.

One by one, as the clerks came in, the various posts were taken up. By the senior clerk's desk stood Mr. Golding, a hard, pitiless expression on his face. The clock was just chiming 8, when the door swung open and Gilbert Renshaw walked in. He glanced round, evidently surprised at seeing Mr. Golding, and then walked toward his desk. Ere he had taken three steps the principal's voice checked him:

"You need not trouble to open your desk, Mr. Renshaw."

Gilbert turned round, still more surprised at this intimation.

Mr. Golding had walked across the office, and the two men stood facing each other. One glance at the stern face, those cold, keen eyes before him, and Gilbert saw the other's purpose in a moment.

Every one in the office looked on, either stealthily or openly, with increasing interest, and every one was puzzled by the way in which the young man maintained his usual air of easy indifference. But Mr. Golding gave but little time for speculation.

"You left before the time on Saturday, Mr. Renshaw."

"About ten minutes before six," answered the other.

"And your reasons for doing so?"

"My work was finished and I had an important engagement."

"Indeed!" sneered the employer. "But I do not allow any one of my clerks to keep important engagements till the office is closed, and as you have thought fit to leave at your own time, you will not be surprised if I inform you that I shall not need your services longer. This is the amount due to you," and Mr. Golding held out a slip of paper, but Gilbert made no movement to take it.

"I understand you, Mr. Golding, and I am as ready to leave your service as you are to require me to do so. Technically, you are in the right, and I therefore apologize for having deprived you of ten minutes on Saturday. My presence, doubtless, is not very agreeable to you, but we may meet again before long; should such an event happen, you will please understand that the interview is not of my seeking. Good-day, gentlemen!" and, with a comprehensive glance and bow to the amazed on-lookers, the young man turned and quitted the office, leaving his employer standing, as much astonished as anyone, with the unheeded check still between his fingers.

Elinor Cragsby sat with her friend and companion dreamily gazing into the fire. After a while the elder lady looked up from the book she was reading.

"A penny for your thoughts, Nell?"

The girl started at the voice, and the words had to be repeated before she seemed to understand them.

"I am not sure," she said meditatively, "that they are worth that sum."

"Then," said her friend, with a smile, "without wishing to be uncomplimentary to the subject of them, I think I can guess their direction."

"I wish I could make him see how useless it is," the girl broke out apparently irrelevantly.

"He doesn't wish to see that," said her companion. "As I have often told you, it appears to me that he has deliberately resolved to succeed in the attempt to win your regard, and he is not a man of fine feelings. Nothing short of absolute discourtesy or rudeness would repel him, unless, indeed, it were the presence of a successful rival," she added in a lower and a meaning tone.

There was something in the last sentence that brought a flush to Elinor Cragsby's face. She rose from her seat, and, moving toward the window, stood looking out. Suddenly she uttered an exclamation of annoyance. Her friend looked up.

"Here he is!" said Elinor, as if in answer to the look.

"Shall I leave you?" she said, half rising.

"No—on no account," and Elinor, smiling herself, in spite of her vexation, recrossed the room, and with gentle force pushed the elder lady into her seat again and then resumed her own. Scarcely had she done so when the servant announced "Mr. Golding," and that gentleman entered all bows and smiles.

"Ellen," he said, attempting to take her hand, "you must know how long and how devotedly I have been attached to you; how I have longed for the hour that should enable me to approach you and offer myself as a suitor for your hand."

He paused to note the effect of this declaration, which, in reality, he had carefully prepared before he reached the house that evening. But he learned nothing from the contemplation of the face before him. It was slightly averted, as was natural, but in no wise did its fair owner seem discomposed. Mr. Golding began to feel a little uneasy, and a new idea for the first time flashed upon his mind. Could there be another? It seemed too absurd, but it would not be dismissed. He rose from his chair and bent over her for a last appeal.

"Can it be?" he murmured, half reproachfully. "Have I a rival?"

As the words left his lips the room door opened, and a voice announced "Mr. Renshaw." At the sound Mr. Golding, with a sudden start, faced round and, to his utter astonishment, beheld before him, smiling courteously and with outstretched hand, the man whom he had dismissed from his service, whom he had even spoken of contemptuously to Elinor herself as "one of my clerks."

"A friend of yours?" he said interrogatively, but in a tone that sounded strange in his own ears, and caused the other three to look curiously at him.

The girl blushed, smiled, but did not answer, and Mrs. Seaforth, who had risen and approached them, came to her rescue.

"Mr. Renshaw is a friend of Mr. Cragsby's, and is still a friend of ours."

"Mr. Renshaw," said the other, "probably has good reasons for his friendship. Fortune-hunters usually have."

Gilbert Renshaw took a step forward. "That is true, as a general statement, Mr. Golding," he said, with all his former easy indifference, "but it is not true, if you will allow me to say so, in this particular instance. I, personally, am not a fortune-hunter. Perhaps you know of some one who may better deserve the name."

"You were my clerk," said Golding with a bitter sneer; "what are you now?"

"I will tell you," replied the other in the same unflinching tone. "As you rightly said, I was your clerk, and it came about in this way. At my father's death the property to which I succeeded was somewhat encumbered. Your late partner was an old friend of ours, and he suggested that I should obtain a situation for some few years, leaving the property thus to clear itself by applying the income to the extinction of the debt. To simplify matters, he kindly offered me a position in his own office at a good salary, stipulating that nothing should be said or known of his long friendship with our family lest it be thought he might favor me. I accepted the post. In a few years, as we planned, my property was unincumbered, and your sudden dismissal of me simply anticipated my own resignation by two or three weeks. You see, Mr. Golding, while I give you full credit for having intended to injure me, I can very readily treat with indifference a course of action that has ended in failure."

As Gilbert ceased speaking he glanced meaningly at Elinor, who, with Mrs. Seaforth, had stood quietly by. It was evidently no news to them, and Mr. Golding, as his gaze traveled from one face to the other, saw that his efforts had been in vain and that success was hopeless.

But the whole matter was so utterly unexpected that for a moment he felt that it could not be really true. He turned to Elinor.

"You know of all this, it seems?"

"Yes," she said, but speaking in so low a tone that he could scarcely catch the words:

"I knew of all; but it was my father's wish that the matter should not be mentioned. That, of course, was sufficient. You would, however, have known it before long, for—"

She hesitated and cast an appealing glance at Gilbert.

"We are to be married shortly," said that gentleman, promptly, completing the sentence.

The blushing face, the downcast eyes beside him, confirmed the statement, if, indeed, confirmation was needed. Mr. Golding waited to hear no more, but, turning short on his heel with a muttered exclamation, left the room and the house.

Running in Ruts.
From the Michigan Manufacturer.

There is this difference between a skilled workman and a machine: The latter performs certain work in a certain way, and is capable of nothing else; but the intelligent workman can adapt himself to circumstances; he can vary his methods of manipulation, according to the requirements of his work, and by close observation can learn to improve old processes, and adopt new ones when necessary.

In proportion as a workman uses his powers of observation, his work is valuable, and commands its price. The temptation is strong to follow beaten paths—to move in ruts. Many workmen go on, from year to year, performing their work in the same clumsy, laborious, and often imperfect manner, apparently not dreaming that their methods might, by a little thought, be greatly simplified and improved. Having learned to do a certain thing, like the machine, in a certain way, they are satisfied, and do not seek to make any further advancement, until forced to do so by the restless minds always to be found in the front ranks of progress. They are content to follow, not to lead, in the march of improvement. They carry conservatism to the verge of stupidity. They rail against "new-fangled" appliances, and ridicule new ideas without investigating them. Having found that certain ways of doing things answer very well, they forget that there may be better ways. They don't look around for new ideas; and new ideas seldom force themselves upon any man who doesn't look for them.

The above remarks apply not only to the workman, but to the man who employs labor. Many manufacturers lose money, simply because they fail to keep up with the times. They adopt, as their policy, an obstinate conservatism which refuses to yield an inch, or own itself mistaken until actually forced by circumstances to do so. Such men are always behind the times, and in the sharp conflicts of the world's markets, their products usually "get left." They only learn that the world moves, when it runs against them. Sometimes they learn a wholesome lesson from the collision, and manage to keep out of the way next time; more often they don't learn anything.

Hardly less reprehensible than stubborn old-foginess is the reckless experimentalism which is never content to let well enough alone, but is constantly seeking to make improvements where none is needed, and often overlooks the real need for improvements in its zeal to make perfection more perfect. Set such an experimentalist down in the courts of heaven, and he would immediately begin to speculate as to how he could improve on the golden pavements and other things. He applies his tests to all things, and finds nothing perfect. He accomplishes little real good—makes little practical progress—because his operations are performed mostly in the clouds of his own chimerical fancy, away from the common, every-day world of thought and action.

Between the wide extremes pointed out there is a golden mean which leads to success. The methods of the wild experimentalist on the one hand, and those of the hide-bound old-fog on the other, are equally to be avoided. Common sense, wholesome enterprise, a wide-awake spirit, and a receptive mind, open to conviction on all subjects and never too sure of its own knowledge—these qualities are almost enough to insure a successful career to a man in any walk of life. The manufacturers who possess these qualities in the highest degree are most successful. And the workmen who possess them are most sought after, and receive the highest compensation for their labor.

THEO. M. CARPENTER.

Knights of Labor Dictating to Tradesmen.

The tradesmen of the city of Lynn, Mass., find that they are amenable to other and more arbitrary laws than those upon the statute book. They have all received copies of the following edict from the office of the Executive Board, Knights of Labor:

"On and after Nov. 17 all clothing, furnishing goods, hats and caps, boots and shoes, and all laundry agencies shall close their places of business at 6:30 p. m., and all dry and fancy goods stores at 6:15 p. m., as usual, four evenings in each week, namely, Tuesday, Wednesday, Thursday and Friday, and shall open the evening previous to each holiday, namely: Washington's Birthday, Fast Day, Memorial Day, June 17, July 4, and Thanksgiving, and every evening of one week previous to Christmas."

Drugs & Medicines

STATE BOARD OF PHARMACY.

One Year—Geo. M. McDonald, Kalamazoo.
Two Years—F. H. J. VanEmster, Bay City.
Three Years—Jacob Jenson, Muskegon.
Four Years—James Vernon, Detroit.
Five Years—Ottmar Eberbach, Ann Arbor.
President—Ottmar Eberbach.
Secretary—Jacob Jenson.
Treasurer—James Vernon.
Next place of meeting—At Grand Rapids,
March 2, 1886.

Michigan State Pharmaceutical Association.

OFFICERS.

President—H. J. Brown, Ann Arbor.
First Vice-President—Frank J. Wurzburg,
Grand Rapids.
Second Vice-President—A. B. Stevens, Detroit.
Third Vice-President—Frank Inglis, Detroit.
Secretary—S. E. Parkell, Orono.
Treasurer—Wm. Dupont, Detroit.
Executive Committee—Jacob Jenson, Geo.
Gundrum, Frank Wells, F. W. R. Perry and
John E. Peck.
Local Secretary—Will L. White, Grand Rapids.
Next place of meeting—At Grand Rapids,
Tuesday, October 12, 1886.

Grand Rapids Pharmaceutical Society.

ORGANIZED OCTOBER 9, 1884.

OFFICERS.

President—Frank J. Wurzburg.
Vice-President—Wm. L. White.
Secretary—Henry B. Fairchild.
Board of Censors—President, Vice-President
and Secretary.
Board of Trustees—The President, Wm. H.
Van Leeuwen, Isaac Watts, Wm. E. White,
Wm. L. White.
Committee on Pharmacy—Hugo Thum, M. B.
Kimm, A. C. Bauer.
Committee on Legislation—Isaac Watts, O. H.
Richmond, Jas. S. Cowin.
Committee on Trade Matters—H. B. Fairchild,
John Peck, Wm. H. VanLeeuwen.
Regular Meetings—First Thursday evening in
each month.
Annual Meetings—First Thursday evening in
November.
Next Meeting—Thursday evening, December 3,
at "The Tradesman" office.

Muskegon Drug Clerks' Association.

OFFICERS.

President—I. F. Hopkins.
Vice-President—John Meyers.
Secretary and Treasurer—O. A. Lloyd.
Regular Meetings—Second and fourth Friday
of each month.
Next Meeting—Friday evening, December 11.

To all Pharmaceutical Associations in the United States.

At the last meeting of the American Pharmaceutical Association, the collection of unofficial formulae originated by a joint committee of the three representative pharmaceutical societies of New York and Brooklyn, and heretofore known under the name of the New York and Brooklyn *Formulae*, was offered to the association for the purpose of serving as a starting point or basis of a larger national work, intended to contain the formulae of such preparations as may either not be deemed of sufficient importance or merit to be recognized by the pharmacopoeia, or such as have more recently come into use and are still under probation. The association accepted the tender, approved and indorsed the work so far performed, and turned the same over to its committee on unofficial formulae with the instruction to prepare a revised and enlarged collection of formulae in accordance with the general plan then outlined.

It is believed that the little work, though primarily intended for a circumscribed locality, has become sufficiently well known to relieve the undersigned from the task of describing its plan or contents in detail. A few words, however, may be said about its object.

As every dispensing pharmacist knows, there is a large class of preparations which are in popular demand, and for which no standard formulae are generally recognized. Of many of these he is compelled to keep in stock a variety of brands made by different manufacturers in order to satisfy the whims of his customers or the prescribing physician. Some of these manufacturers give, or pretend to give the formulae or composition of their products, but it is a well-known fact that in the majority of cases, when conscientiously made in exact accordance with the directions, the resulting products differ materially from the original. Were this difference restricted to taste, odor or appearance, it would, perhaps, not be of so great importance, though this difference is alone sufficient to render many of these preparations unsalable, but it can be demonstrated that a large number of these manufactured products do not even contain the full amount of medicinally active constituents claimed upon the labels. Most of the attempts, therefore, on the part of the dispensing pharmacist to prepare products of similar physical and equal therapeutic properties, prove utter failures, and are apt to impress the minds of his professional and unprofessional customers with the idea that the pharmacist lacks the necessary skill and experience which enables the wholesale manufacturer to turn out apparently the same preparation in a more palatable and attractive form. If every manufacturer were to use one and the same formula and the same kind of ingredients, the differences would disappear precisely as the case in the official preparations where the nature, strength, and quality of each constituent is minutely prescribed.

It is especially with a view of enabling the physician—if he desires to make use of such unofficial compounds—to obtain them everywhere and under all circumstances of the same strength, appearance, and physical characteristics, that the publication of the formulae was originally undertaken. Its success, in New York, Brooklyn and vicinity, has been so marked that the three societies owning the copyright of the work resolved to offer it to the profession at large, believing that when properly enlarged and improved it would be of material service both to the pharmacist and to the physician.

In order that the undersigned, who are the Committee on Unofficial Formulae appointed by the American Pharmaceutical Association, may be enabled to accomplish the task set before them, the co-operation of all pharmaceutical bodies in the United States is necessary, so that the needs of every section of the country may be ascertained and existing differences in unofficial preparations recognized and gradually harmonized. It will not be possible to accomplish this object at once, but after sufficient time has elapsed to permit a comparison between the relative merits of the different formulae or processes, it may be hoped that an agreement will be arrived at as to which deserves the preference.

The undersigned committee has already received, without solicitation, the offer of very valuable assistance from several quarters. It now appeals, formally, to all pharmaceutical bodies requesting their active co-operation in the work. For this purpose it is suggested that standing committees on unofficial formulae, if not already in existence, may be appointed by each body, and these committees be requested to undertake the work here outlined:

1. To ascertain what unofficial preparations, of sufficient merit or importance to warrant recognition, are used in their particular section (a list of names or titles of such preparations, irrespective of their composition, is of primary importance).

2. To ascertain, if possible, the most usual formula or the alleged compositions of such preparations. (This will often be found rather difficult).

3. To ascertain whether any of these preparations, prepared after the New York and Brooklyn *Formulae*, would fail to meet the requirements of their locality which may be accustomed to special tastes. [As the undersigned committee happens to be more familiar with the formulae prepared by itself than with others, it may be excused for making its own work the basis. But impartial and unprejudiced attention will also be given to all other formulae, such as Professor Diehl's, that of the Lancaster County Pharmaceutical Association, etc., etc.]

4. To critically examine and experiment with the formulae contained in that work chosen as basis, and also with those in other formulae, and to report the result of their labors to the undersigned committee. Also, to elaborate such formulae for preparations not yet contained in that work as may be determined after experiment.

5. To enlist the interest of the medical profession in their respective localities (states, counties, etc.) and to bring the object of this movement to their attention. Also, if possible, to obtain their co-operation and eventual approval of the work when accomplished.

Each of these standing committees is requested to correspond with the undersigned committee, and any of these committees, or any single member thereof, are invited to attend its meetings to be held at place and time hereafter to be announced.

In what manner the undersigned committee will be able to bring about uniformity in processes or preparations can not at present be determined. This will depend upon the degree of divergence between the several formulae offered for one and the same preparation. This much, however, may be stated now, that the undersigned committee—aware of its need of the assistance and counsel of professional friends—does not intend to amalgamate and blend together discrepant formulae in a dictatorial manner. On the contrary, it will at all times pay due regard, so far as may be possible, to local requirements and to all suggestions or advice that may be offered. Thus it may hope to lay the foundation, at least, of the *National Formulae*, in the revision and perfection of which every section of the country should be actively interested.

Address communications to Formulary Committee, College of Pharmacy, Nos. 209, 211 East Twenty-third street, New York City.

CHARLES RICE,
P. W. BEDFORD,
S. J. BENDINE,
W. P. DEFORREST,
A. TSCHAPPE,
Committee.

Muskegon Drug Clerks' Association.

MUSKEGON, Nov. 29, 1885.

The drug clerks of this city held their regular meeting at their room Friday evening, Nov. 27. All members were present excepting one. By a two-thirds vote of the Association, two members were admitted. The Association has now twelve members. Louis Glover read a paper on cocaine and N. Miller a paper on opium. After discussing the subjects, it was decided to further discuss the subject of cocaine, for the reason that it is a new drug and a great deal more could be learned from it. Jno. Meyers was appointed to prepare a paper on this drug for argument at next meeting. Fred Heath, the critic of the evening, made a few remarks, and was appointed to prepare a paper on weights and measures for the next meeting, which falls on the 11th of next month. O. A. LLOYD, Secretary.

The Drug Market.

The market is firm, trade is good and collections are fair. There has been a slight advance in quinine, morphine and cinchonidia, but no changes of importance in any other article.

The boiler in a hot soda fountain in a drug store in Cincinnati exploded last week, wrecking the counter and fountain and blowing out every pane of glass in the store.

What Drug Clerks May Do.*

Gentlemen, members of the Muskegon Drug Clerks' Association:

I think we are to congratulate ourselves on being the first in Western Michigan in starting an Association of this kind. As near as I can learn there is only one other in the State, that in Detroit. As there will be others started in cities around us, we will be looked up to as an example, and we should so conduct our meetings and work that we will be pleased to have them follow us, if they can find anything to their advantage. We are somewhat in the position of an orphan. We have no example to follow, but must endeavor to grow in members and influence the best we know how. Had we some other association to follow it would be easier to begin work. We have an interested lot of members, have adopted a constitution and by-laws, which seems to cover all the preliminary work, and what remains for us to do is to live up to all that we have laid out for ourselves. As we progress with our work and the older we get we will find plenty of improvements to be made.

It is not for me, as President, nor for you as a member, to do the work, but for us all together as an Association to pull together. As the saying is, "In union there is strength." Let us all do with our might the work that we see to do, to make this one of the best of these associations. We can not well say the best, for where there are more in members they should do more work and get further into the secrets of the business than a few; but according to our members we can do as much as any of them.

In our daily practice, when we meet with or notice anything new or interesting which calls for special attention, let us make a note of it, bring it before the meetings, that we may all derive a benefit therefrom.

There are constantly new drugs and medicines coming before the trade and as soon as any of us notice such we should have them brought before the meeting and have papers written about them, giving us their origin and properties, so that we may keep up with the times. At the end of a year it will be surprising to see the amount of knowledge which we have derived from such investigations.

It cannot be impressed upon our mind too strongly the fact that a simple experiment and argument will be more firmly rooted in our mind than any amount of reading and study by ourselves. We all know that if we get into a lively argument with a person on some subject, and both get very earnest, and we have to go to some authority for settlement, we both will remember it a great deal longer than we would had we simply read it over. It is practice and training which makes the competent pharmacist. No matter how severe it may be those men will prove the best qualified who have worked from the bottom up. Every member of this Association has started at the bottom, has begun where all drug clerks begin—washing bottles—and there is no reason why every one of us cannot work up and come out as good as the best. By close attention to business, a thorough investigation of everything pertaining to the business, we cannot help attaining the desired end. Here in the meetings we can gain some of that knowledge which will never be forgotten. After investigating and discussing different subjects together the results are there to stay.

As you have bestowed the honor of presiding officer upon me, I shall try to show my appreciation of the same by fulfilling the duties which fall upon me to the best of my ability. My knowledge of parliamentary rules is not very perfect but as far as possible I shall try and abide by them. I ask the aid of you all to keep me within bounds and shall try to keep you there as far as possible.

In holding our meetings we must have order. No business can succeed without order. We can do twice the business if we have good order. Always think before we do a thing, "now will that be in order." In that way we will soon fit ourselves for Congress. We all have an ambition to become as far advanced as possible in our limited way, and I doubt that there is one here but will do his duty when the time comes. We should always make it a point to attend the meetings when it is possible and to take an active part. It is late when we meet, but as it is only twice a month, we ought to have a full attendance. It will be time well spent, time which we will never miss and I think we will look back and say it is time we improved and enjoyed as well as any that came between two days.

* Inaugural address of President Hopkins, before the Muskegon Drug Clerks' Association.

SOMETHING NEW

Cushman's MENTHOL INHALER



Designed Expressly for Inhaling Menthol.
A superior Remedy for the immediate relief of Neuralgia, Headache, Croup, Hay Fever, Asthma, Bronchitis, Sore Throat, Earache, Toothache, and all diseases of the throat and lungs.
Affords quick relief and effects permanent cure by continued use. Every druggist should order some in the next order to HAZELTINE, PERKINS & CO., Wholesale Druggists, Grand Rapids, Mich.
Ask their traveler to show you one the next time he calls.

WHOLESALE PRICE CURRENT.

Advanced—Quinine, P. & W.; morphia, P. & W.; cinchonidia, P. & W.; spermaceti.
Declined—Nothing.

ACIDS.

Acetic, No. 8..... 9 @ 10
Acetic, C. P. (Sp. Grav. 1.040)..... 30 @ 35
Carbonic..... 34 @ 36
Citric..... 60 @ 65
Muric acid 18 deg..... 3 @ 5
Nitric 36 deg..... 11 @ 12
Oxalic..... 12 @ 14
Sulphuric 66 deg..... 3 @ 4
Tartaric powdered..... 52 @ 55
Benzole, English..... 12 @ 15
Benzole, German..... 12 @ 15
Tannic..... 12 @ 15

AMMONIA.

Carbonate..... 15 @ 18
Muriate (Powd. 22c)..... 14 @ 15
Aqua 16 deg or 3f..... 3 @ 5
Aqua 15 deg or 4f..... 4 @ 6

BALSAMS.

Copaiba..... 40 @ 45
Fir..... 40 @ 45
Peru..... 2 @ 00
Tolu..... 50 @ 55

BARKS.

Cassia, in mats (Powd 20c)..... 11 @ 18
Cinchona, yellow..... 13 @ 15
Elm, select..... 14 @ 15
Elm, ground, pure..... 10 @ 12
Elm, powdered, pure..... 12 @ 14
Sassafras, of root..... 12 @ 14
Wild Cherry, select..... 20 @ 25
Bayberry powdered..... 18 @ 20
Hemlock powdered..... 18 @ 20
Sassafras..... 12 @ 15
Sassafras ground..... 12 @ 15

BERRIES.

Cubeb prime (Powd 95c)..... 6 @ 90
Juniper..... 5 @ 7
Prickly Ash..... 50 @ 60

EXTRACTS.

Licorice (10 and 25 lb boxes, 25c)..... 27 @ 35
Licorice, powdered, pure..... 37 @ 45
Licorice, bulk (12 and 25 lb boxes)..... 9 @ 12
Licorice, 15 lb boxes..... 12 @ 15
Logwood, 1/2 lb do..... 13 @ 15
Logwood, 1/4 lb do..... 15 @ 18
Logwood, ass'd do..... 14 @ 18
Fluid Extracts—25 c cent. of list.

FLOWERS.

Arnica..... 10 @ 11
Chamomile, Roman..... 25 @ 30
Chamomile, German..... 25 @ 30

GUMS.

Aloes, Barbadoes..... 60 @ 75
Aloe, Cape (Powd 20c)..... 12 @ 15
Aloe, Socotrine (Powd 40c)..... 12 @ 15
Ammoniac..... 25 @ 30
Arabic, powdered select..... 75 @ 80
Arabic, 1st picked..... 75 @ 80
Arabic, 2nd picked..... 60 @ 65
Arabic, 3d picked..... 60 @ 65
Arabic, sifted, store..... 45 @ 50
Assafoetida, prime (Powd 35c)..... 55 @ 60
Benzoin..... 25 @ 30
Camphor..... 13 @ 15
Catechu, 1/2 lb (14c, 1/4 lb 16c)..... 35 @ 40
Euphorbium powdered..... 35 @ 40
Galbanum strained..... 80 @ 90
Gamboge..... 35 @ 40
Guaiac, prime (Powd 45c)..... 20 @ 25
Kino (Powd 30c)..... 40 @ 45
Mastic..... 3 @ 5
Myrrh, Turkish..... 3 @ 5
Opium, pure (Powd 55c)..... 3 @ 5
Shallac, Campbell's..... 30 @ 35
Shallac, English..... 26 @ 30
Shallac, native..... 30 @ 35
Shallac bleached..... 30 @ 35
Tragacanth..... 30 @ 40

HERBS—IN OUNCE PACKAGES.

Hoarhound..... 25 @ 30
Lobelia..... 25 @ 30
Peppermint..... 25 @ 30
Rue..... 40 @ 45
Sage..... 25 @ 30
Sage, Majoram..... 25 @ 30
Sage, Thyme..... 25 @ 30
Wormwood..... 25 @ 30

IRON.

Citrate and Quinine..... 4 @ 00
Solution mur., for tinctures..... 20 @ 25
Sulphate, pure crystal..... 7 @ 10
Citrate..... 65 @ 70
Phosphate..... 65 @ 70

LEAVES.

Buchu, short (Powd 25c)..... 13 @ 14
Sage, Italian, bulk (1/4 & 1/2 lb)..... 18 @ 20
Senna, Alex, natural..... 20 @ 25
Senna, Alex, sifted and garbled..... 20 @ 25
Senna, powdered..... 16 @ 20
Senna, sifted..... 16 @ 20
Uva Ursi..... 10 @ 15
Belleadonna..... 35 @ 40
Foxglove..... 30 @ 35
Hellebore..... 2 @ 3
Rose, red..... 2 @ 3

LIQUORS.

W. D. & Co.'s Sour Mash Whisky..... 2 @ 50
Druggists' Favorite Rye..... 1 @ 75
Whisky, other brands..... 1 @ 10
Gin, Old Tom..... 1 @ 10
Gin, Holland..... 1 @ 10
Brandy..... 1 @ 10
Catawba Wines..... 1 @ 25
Port Wines..... 1 @ 35

MAGNESIA.

Carbonate, Patterson's, 2 oz..... 32 @ 35
Carbonate, Jennings's, 2 oz..... 32 @ 35
Citrate, H. P. & Co.'s solution..... 2 @ 25
Calcined..... 65 @ 70

OILS.

Almond, sweet..... 45 @ 50
Amber, rectified..... 45 @ 50
Anise..... 2 @ 00
Bay..... 2 @ 00
Bergamont..... 2 @ 25
Castor..... 17 1/2 @ 20
Croton..... 2 @ 00
Cajuput..... 75 @ 80
Cassia..... 1 @ 00
Cedar, commercial (Pure 75c)..... 35 @ 40
Citronella..... 75 @ 80
Eucalypti..... 1 @ 20
Cod Liver, N. F..... 1 @ 20
Cod Liver, best..... 1 @ 50
Cod Liver, H. P. & Co.'s, 16..... 6 @ 00
Cubeb, P. & W..... 9 @ 00
Erigeron..... 1 @ 00
Fireweed..... 2 @ 00
Geranium..... 75 @ 80
Hemlock, commercial (Pure 75c)..... 35 @ 40
Juniper wood..... 2 @ 00
Juniper berries..... 2 @ 00
Lavender flowers, French..... 2 @ 01
Lavender garden do..... 1 @ 00
Lavender spike do..... 1 @ 00
Lemon, new crop..... 1 @ 15
Lemon, Sanderson's..... 2 @ 00
Lemongrass..... 2 @ 00
Lime, Malabar..... 2 @ 00
Olive, "Sublime Italian"..... 1 @ 25
Origanum, red flowers, French..... 1 @ 25
Origanum, No. 1..... 1 @ 30
Pennyroyal..... 4 @ 00
Peppermint..... 8 @ 00
Rose..... 8 @ 00
Rosemary, French (Flowers \$1.50)..... 2 @ 75
Sandal, 1/2 gal..... 1 @ 00
Sandal Wood, German..... 4 @ 50
Sandal Wood, W. I..... 7 @ 00
Sassafras..... 60 @ 65
Sassafras wood..... 60 @ 65
Tansy..... 4 @ 50
Tar (by gal 50c)..... 10 @ 12
Wintergreen..... 2 @ 35
Wormwood, No. 1 (Pure \$4.00)..... 3 @ 50
Wormseed..... 2 @ 00

POTASSIUM.

Bicromate, cryst. and gran. bulk..... 14 @ 20
Chlorate, cryst (Powd 20c)..... 40 @ 45
Iodide, cryst. and gran. bulk..... 3 @ 00
Prussiate yellow..... 28 @ 30

ROOTS.

Alkanet..... 20 @ 25
Althea, cut..... 25 @ 30
Arrow, St. Vincent's..... 17 @ 20
Arrow, Taylor's, in 1/2 & 1/4 lb..... 33 @ 35
Blood (Powd 18c)..... 12 @ 15
Calamus, peeled..... 20 @ 25
Calamus, German white, peeled..... 35 @ 40
Elecampane, powdered..... 30 @ 35
Gentian (Powd 15c)..... 20 @ 25
Ginger, African (Powd 14c)..... 11 @ 12
Ginger, Jamaica bleached..... 17 @ 20
Golden Seal (Powd 25c)..... 20 @ 25
Hellebore, white, powdered..... 20 @ 25
Ipecac, Rio, powdered..... 1 @ 20
Jalap, powdered..... 30 @ 35
Licorice, select (Powd 15c)..... 18 @ 20
Licorice, extra select..... 20 @ 25
Pink true..... 38 @ 40
Rhei, from select to choice..... 1 @ 00
Rhei, powdered E. I..... 1 @ 10
Rhei, choice cut cubes..... 2 @ 00
Rhei, choice cut fingers..... 2 @ 25

Serpentaria..... 50 @ 60
Seneca..... 60 @ 70
Sarsaparilla, Honduras..... 40 @ 45
Sarsaparilla, Mexican..... 20 @ 25
Squills, white (Powd 35c)..... 25 @ 30
Valerian, English (Powd 30c)..... 20 @ 25
Valerian, Vermont (Powd 25c)..... 20 @ 25

SEEDS.

Anise, Italian (Powd 20c)..... 15 @ 20
Anise, mixed in 1/2 packages..... 5 @ 15
Canary, Smyrna..... 4 @ 15
Caraway, best Dutch (Powd 20c)..... 15 @ 20
Cardamom, Alleppee..... 1 @ 15
Cardamom, Malabar..... 1 @ 15
Celery..... 15 @ 20
Coriander, best English..... 10 @ 15
Fennel..... 10 @ 15
Flax, clean..... 3 1/2 @ 4 1/2
Flax, pre grad (bbl 34c)..... 4 @ 8
Foenugreek, powdered..... 7 @ 8
Hemp, Russian..... 4 1/2 @ 5 1/2
Mustard, white Black 10c..... 10 @ 15
Quince..... 14 @ 15
Rape, English..... 6 @ 7
Worm, Levant..... 6 @ 14

SPONGES.

Florida sheeps' wool, carriage..... 2 @ 25
Nassau..... 40 @ 50
Velvet Extra do..... 1 @ 10
Extra Yellow do..... 85 @ 90
Grass do..... 75 @ 80
Hard head, for slate use..... 75 @ 80
Yellow Reef, do..... 1 @ 40

MISCELLANEOUS.

Alcohol, grain (bbl \$2.17, 1/2 gal..... 2 @ 27
Alcohol, wood, 95 per cent ex. ref..... 1 @ 35
Anodyne Hoffman's..... 1 @ 27
Arsenic, Donovan's solution..... 2 @ 27
Arsenic, Fowler's solution..... 1 @ 27
Annatto 1 lb rolls..... 45 @ 50
Alum..... 2 1/2 @ 3 1/2
Alum, ground (Powd 9c)..... 3 @ 4
Annatto, prime..... 4 1/2 @ 5
Antimony, powdered, com'l..... 4 1/2 @ 5
Arsenic, white, powdered..... 6 @ 7
Blue Soluble..... 2 @ 2
Bay Rum, imported, best..... 2 @ 75
Bay Rum, domestic, H. P. & Co.'s..... 2 @ 00
Balm Gilead Buds..... 40 @ 45
Beans, Tonka..... 2 @ 00
Beans, Vanilla..... 7 @ 00
Bismuth, sub nitrate..... 2 @ 30
Blue Pill (Powd 70c)..... 6 @ 10
Blue Vitriol..... 10 @ 12
Borax, refined (Powd 12c)..... 2 @ 50
Cantharides, Russian powdered..... 2 @ 50
Capsicum Pods, African..... 18 @ 20
Capsicum Pods, African powd..... 18 @ 20
Capsicum Pods, Bombay do..... 18 @ 20
Carminc, No. 40..... 4 @ 00
Cassia Buds..... 12 @ 15
Calomel, American..... 5 @ 5
Chalk, prepared drop..... 12 @ 12
Chalk, red fingers..... 8 @ 8
Chalk, white lump..... 1 @ 60
Chloroform, Squibb's..... 1 @ 60
Colocynth apples..... 1 @ 60
Chloral hydrate, German crystals..... 1 @ 50
Chloral do..... 1 @ 50
Chloral do Scherlin's do..... 1 @ 50
Chloral do do crystals..... 1 @ 50
Chloroform..... 77 @ 80
Cinchonidia, P. & W..... 20 @ 25
Cinchonidia, other brands..... 20 @ 25
Cloves (Powd 23c)..... 18 @ 20
Cocaine..... 1 @ 10
Cocoa Butter..... 45 @ 50
Copperas (by 10 lb)..... 2 @ 2
Corrosive Sublimate..... 2 @ 2
Corks, X and XX—40 off list..... 2 @ 40
Cream Tartar, pure powdered..... 4 @ 40
Cream Tartar, grocer's, 10 lb box..... 1 @ 15
Creosote..... 50 @ 50
Cudbear, prime..... 24 @ 24
Cuttle Fish Bone..... 20 @ 20
Extrine..... 12 @ 12
Dover's..... 1 @ 10
Dragon's Blood Mass..... 45 @ 45
Ergot powdered..... 1 @ 10
Ether Squibb's..... 1 @ 10
Emery, Turkish, all No. 8..... 2 @ 3
Epsom Salts (bbl 1 1/2)..... 2 @ 3
Ergot, fresh..... 50 @ 50
Ether, sulphuric, U. S. P..... 50 @ 50
Peppermint white..... 14 @ 14
Grains Paradise..... 15 @ 15
Gelatin, French..... 45 @ 70
Gelatin, French..... 45 @ 70
Glassware, flint, 7 off by box 60 off..... 45 @ 70
Glassware, green, 60 and 10 lbs..... 45 @ 70
Glue, ca met..... 12 @ 17
Glue, white..... 16 @ 25
Glycerine, pure..... 18 @ 20
Hops 1/2 and 1/4 lb..... 25 @ 40
Iodoform 1/2 oz..... 35 @ 40
Indigo..... 85 @ 100
Insect Powder, best Dalmatian..... 35 @ 40
Insect Powder, H. P. & Co., boxes..... 6 @ 10
Iodine, resublimed..... 4 @ 00
Isinglass, American..... 1 @ 50
Japonica..... 10 @ 15
London Purple..... 10 @ 15
Lead, acetate..... 10 @ 15
Lime, chloride, (1/2 & 1/4 lb & 1/2 lb)..... 8 @ 8
Lupuline..... 1 @ 00
Lyco podium..... 45 @ 50
Mace..... 12 1/2 @ 13
Madder, best Dutch..... 12 1/2 @ 13
Manna, S. F..... 70 @ 70
Mentha, P. & W..... 2 @ 85
Musk, Canton, H. P. & Co.'s..... 40 @ 40
Moss, Iceland..... 1 @ 10
Moss, Irish..... 12 @ 12
Mustard, English..... 13 @ 13
Mustard, grocer's, 10 lb cans..... 13 @ 13
Nutmegs, No. 1..... 20 @ 20
Nux Vomica..... 10 @ 10
Ointment, Mercurial..... 17 @ 20
Paris Green..... 17 @ 20
Pepper, Black, Perry..... 15 @ 15
Pepsin..... 2 @ 50
Pitch, True Burgundy..... 6 @ 7
Quassia..... 6 @ 7
Quinia, Sulph. P. & W..... 95 @ 100
Quinine, German..... 92 @ 97
Red Precipitate..... 2 @ 2
Sedlitz Mixture..... 2 @ 2
Strychnia, cryst..... 1 @ 60
Silver Nitrate, cryst..... 74 @ 78
Saffron, American..... 35 @ 35
Sal Glauber..... 1 @ 10
Sal Nitre, large cryst..... 9 @ 9
Sal Nitre, medium cryst..... 9 @ 9
Sal Rochelle..... 2 @ 30
Sal Soda..... 2 @ 15
Salicin..... 2 @ 15
Santonin..... 60 @ 60
Snuffs, Macebooy or Scotch..... 4 1/2 @ 5
Soda Ash (by keg 3c)..... 42 @ 42
Spermaceti..... 38 @ 38
Soda, Bi-Carbonate, DeLand's..... 4 1/2 @ 5
Soap, White Castile..... 14 @ 14
Soap, Green do..... 19 @ 19
Soap, Mottled do..... 11 @ 11
Soap, do do..... 11 @ 11
Soap, Mazine..... 26 @ 32
Spirits Nitre, 4 F..... 30 @ 32
Spirits Nitre, 4 F..... 30 @ 32
Sugar Milk powdered..... 3 1/2 @ 4
Sulphur, flour..... 3 1/2 @ 4
Sulphur, soil..... 3 @ 30
Tartar Emetic do..... 3 @ 30
Tar, N. C. Pine, 1/2 gal. cans 1/2 doz..... 1 @ 40
Tar, do quarts in tin..... 1 @ 40
Tar, do pints in tin..... 85 @ 85
Turpentine, Venice..... 1 @ 50
Wax, White, S. & F. brand..... 5 @ 55
Zinc, Sulphate..... 7 @ 55

OILS.

Capitol Cylinder..... 75 @ 75
Model Cylinder..... 60 @ 60
Shield Cylinder..... 50 @ 50
Eldorado Engine..... 30 @ 30
Peerless Machinery..... 30 @ 30
Challenge Machinery..... 25 @ 25
Backus Fine Engine..... 30 @ 30
Black Diamond Machinery..... 30 @ 30
Castor Machine Oil..... 60 @ 60
Paraffine, 25 deg..... 15 1/2 @ 15 1/2
Paraffine, 28 deg..... 21 @ 21
Sperm, winter bleached..... 40 @ 40
Whale, winter..... 70 @ 75
Lard, extra..... 55 @ 60
Lard, No. 1..... 45 @ 50
Linsed, pure raw..... 43 @ 45

The Michigan Tradesman.

A MERCANTILE JOURNAL, PUBLISHED EACH WEDNESDAY.

E. A. STOWE & BRO., Proprietors.

Office in Eagle Building, 49 Lyon St., 3d Floor. Telephone No. 95.

(Entered at the Postoffice at Grand Rapids as Second-class Matter.)

WEDNESDAY, DECEMBER 2, 1885.

RETAIL GROCERS' ASSOCIATION OF GRAND RAPIDS.

ORGANIZED NOVEMBER 10, 1885.

President—Erwin J. Herrick.
First Vice-President—E. E. Walker.
Second Vice-President—Jas. A. Coye.
Secretary—Cornelius A. Johnson.
Treasurer—B. S. Harris.
Board of Directors—Eugene Richmond, Wm. H. Sigel, A. J. Elliott, Henry A. Hyndorn and W. E. Knox.
Finance Committee—W. E. Knox, H. A. Hyndorn and A. J. Elliott.
Room Committee—A. J. Elliott, Eugene Richmond and Wm. H. Sigel.
Arbitration Committee—Gerrit H. DeGraf, M. J. Lewis and A. Rasch.
Annual meetings—Second Tuesday in November.
Regular meetings—First and Third Tuesday Evenings of each month.
Next meetings—Tuesday evening, December 15.

HALF A HUNDRED

Grocers Banded Together for Mutual Protection and Profit.

The adjourned meeting of the Retail Grocers' Association, held at THE TRADESMAN office last Tuesday evening, was attended by about sixty representative grocers.

The Law Committee reported that the necessary printing for the collection bureau had been done and that members could procure reporting blanks at the chairman's desk before leaving the room.

President Herrick then introduced I. W. Van Zandt, of Boston, who addressed the Association on the aims and objects of organization. Mr. Van Zandt stated that the retail grocer is constantly imposed upon. The manufacturer and jobber are inclined to palm off poor goods and short weights. The peddler cuts the dealer's corners, and the consumer complains at every trifling. Organization tends to do away with the above abuses, and to create a friendly feeling among the trade. The matter of prices does not enter into the subject, but the primary idea is the agitation of abuses and the securing of concessions not now possessed. One good result of organization in the East has been the raising of the license fee paid by peddlers, and the enactment of ordinances compelling farmers to dispose of their products to the trade or at a central market. Concerted action will compel the jobber to desist in selling the consumer, and the probability is that the jobber will be glad of an excuse to refuse selling that class. Organization tends to increase respect of the jobber for the retail trade, also the respect of the consumer, as it inevitably results in the latter securing better goods and more uniform prices. In time, local organizations will be followed by state and national associations with a view to influencing legislation affecting the interests of the trade.

In response to an inquiry, Mr. Van Zandt stated that the system of reporting and listing dead-beats had resulted in great good for all the Eastern associations, as it was effective in securing the collection of some doubtful accounts and it enabled the members to avoid extending credit to bad-paying customers. The speaker cited several instances where money had been saved by his father, who is president of the Rochester association, and pointed out other ways in which the collection bureau could be made effective. In conclusion, Mr. Van Zandt congratulated the Association on the enthusiasm manifested by its members, and predicted that it would be the banner organization of the State.

An opportunity was then given those who wished to join the Association to step forward and sign the necessary blanks, which was improved by about twenty grocers making a total membership of fifty.

President Herrick stated that he hoped each one present would feel as free to discuss the questions under consideration, and propose new questions as though he were in his own store.

W. E. Knox said that he had heard some objections to the admission of Arthur Meigs & Co., because the firm is engaged in the jobbing trade, as well as the retail business.

W. C. Harper thought Mr. Meigs ought to be excluded from membership or the by-laws changed.

M. Brooks said that he knew twenty grocers who would stay out of the Association as long as Mr. Meigs remained in it.

Jas. A. Coye moved that the question of Mr. Meigs' admission be reconsidered and made the special subject for discussion at the next meeting.

W. C. Harper moved as an amendment that Mr. Meigs be furnished a copy of the resolution and requested to be present and defend himself, which was carried.

President Herrick stated that he had been approached during the week by President Eble, of the butchers' organization, who wished to see the two bodies united.

Jas. A. Coye moved that hereafter all applications for membership be balloted upon, and that anyone receiving five negative votes be declared rejected. Carried.

W. C. Harper moved that hereafter the meetings of the Association be held with closed doors, and that no one but members be admitted, except by the permission of the President. Carried.

E. E. Walker moved that E. A. Stowe be made an honorary member of the Association, which was carried.

W. E. Knox moved that the thanks of the Association be tendered Mr. Van Zandt for his address, which was carried.

The meeting then adjourned for one week.

OYSTERS!

When in want of a good brand of OYSTERS, don't fail to get the famous PATAPSCO, which is guaranteed both as to quality and price. Sold only by W. F. GIBSON & CO., Grand Rapids, Mich., GENERAL COMMISSION MERCHANTS, and dealers in all kinds of PRODUCE, JELLY, MINCE MEAT and PAPER OYSTER PAILS.

Jelly, Mince Meat Etc.

E. F. FALLAS,
Wholesale & Commission--Butter & Eggs a Specialty.

Choice Butter always on hand. All Orders receive Prompt and Careful Attention. CORRESPONDENCE SOLICITED.

No. 1 Egg Crates for Sale. Stevens' No. 1 patent fillers used. 50 cents each.
97 and 99 Canal Street, Grand Rapids, Michigan

O. W. BLAIN & CO., Produce Commission Merchants,
Foreign and Domestic Fruits, Southern Vegetables, Etc.

We handle on Commission BERRIES, Etc. All orders filled at lowest market price. Correspondence solicited. APPLES AND POTATOES in car lots Specialties. NO. 9 IONIA ST.

HESTER & FOX,
MANUFACTURERS AGENTS FOR

SAW AND CRIST MILL MACHINERY,



Planers, Matchers, Moulders and all kinds of Wood-Working Machinery, Saws, Belting and Oils.

And Dodge's Patent Wood Split Pulley. Large stock kept on hand. Send for sample pulley and become convinced of their superiority.

Write for Prices. 130 OAKES STREET, GRAND RAPIDS, MICH.

PUTNAM & BROOKS

Wholesale Manufacturers of

PURE CANDY!

AND DEALERS IN

ORANGES, LEMONS,

BANANAS, FIGS, DATES,

Nuts, Etc.

FOX, MUSSELMAN & LOVERIDGE,

Wholesale Grocers,

AGENTS FOR

KNIGHT OF LABOR PLUG,

The Best and Most Attractive Goods on the Market. Send for Sample Butt. See Quotations in Price-Current.

"WARREN'S CRIP."

This new brand of cigars (to retail at 5 cents) we put on the market guaranteeing them to equal, if not excel, any cigar ever before offered for the price. We furnish 500 "Gutter Snipes" advertising the cigar, with every first order for 500 of them. We want one good agent in every town to whom we will give exclusive sale.

MANUFACTURED BY

Geo. T. Warren & Co

FLINT, MICH.

WM. SEARS & CO.

Cracker Manufacturers,

Agents for

AMBOY CHEESE.

37, 39 & 41 Kent Street, Grand Rapids, Michigan.

BUY

SNOW SHOVELS

—OF—

Curtiss, Dunton & Co.,

WHOLESALE

Paper and Woodenware,

Twines and Cordage,

Grand Rapids

Mich.

COMING to GRAND RAPIDS

IN

CAR LOADS!

D. W. Archer's Trophy Corn,

D. W. Archer's Morning Glory Corn,

D. W. Archer's Early Golden Drop Corn

EVERY CAN BEARING SIGNATURE OF

The Archer Packing Co.

CHILLICOTHE, ILL.

SPRING &

COMPANY,

WHOLESALE DEALERS IN

Staple and Fancy

DRY GOODS,

CARPETS,

MATTINGS,

OIL CLOTHS

ETC., ETC.

6 and 8 Monroe Street,

Grand Rapids,

Michigan.

WHOLESALE PRICE CURRENT.

WIDE BROWN COTTONS.	
Androscoogin, 8-4, 25	Pepperell, 10-4, 25
Androscoogin, 8-4, 21	Pepperell, 11-4, 27 1/2
Pepperell, 7-4, 16 1/2	Pequot, 7-4, 18
Pepperell, 8-4, 20	Pequot, 8-4, 21
Pepperell, 9-4, 23 1/2	Pequot, 9-4, 24
CHEESES.	
Caledonia, XX, oz., 11	Park Mills, No. 90, 14
Caledonia, X, oz., 10	Park Mills, No. 100, 15
Economy, oz., 11	Prodley, oz., 11
Park Mills, No. 90, 10	Otis, No. 10, 10 1/2
Park Mills, No. 60, 11	Otis Furniture, 10 1/2
Park Mills, No. 70, 12	York, 1 oz., 10
Park Mills, No. 80, 13	York, AA, extra, 14
OSABARCO.	
Alabama brown, 7	Augusta plaid, 7
Jewell brown, 9 1/2	Toledo plaid, 7
Kentucky brown, 10 1/2	Manchester plaid, 7 1/2
Lewis brown, 9 1/2	New Tenn. plaid, 11
Louisiana plaid, 7	Utility plaid, 6 1/2
BLEACHED COTTONS.	
Avondale, 36, 5 1/2	Greene, G, 4 1/2
Art cambrics, 36, 11 1/2	Hill, 7-8, 6 1/2
Androscoogin, 4-4, 8 1/2	Hope, 4-4, 6 1/2
Ballou, 4-4, 6 1/2	King Phillip cam, 11 1/2
Boott, 4-4, 6 1/2	Linwood, 4-4, 7 1/2
Boott, 5-5, 7	Lonsdale, 4-4, 7 1/2
Boott, AGC, 4-4, 9 1/2	Lonsdale cambric, 10 1/2
Boott, R, 3-4, 5 1/2	Langdon, 4-4, 9 1/2
Blackstone, AA, 4-4, 7	Langdon, 4-4, 14
Chapman, X, 4-4, 6	Masonville, 4-4, 8
Conway, 4-4, 7	Maxwell, 4-4, 8
Cabot, 4-4, 6 1/2	New York Mill, 4-4, 10 1/2
Cabot, 7-8, 8 1/2	New Jersey, 4-4, 8
Canoe, 3-4, 4	Pocasset, P. M. C., 7 1/2
Domestic, 36, 7 1/2	Pride of the West, 11
Dwight Anchor, 4-4, 9	Pocasset, 4-4, 7 1/2
Dwight, 4-4, 8 1/2	Slatteryville, 7-8, 9 1/2
Fruit of Loom, 4-4, 8 1/2	Victoria, AA, 9
Fruit of Loom, 7-8, 7 1/2	Woodbury, 4-4, 5 1/2
Fruit of the Loom, cambric, 4-4, 11	Whitinsville, 4-4, 7 1/2
Gold Medal, 4-4, 6 1/2	Whitinsville, 7-8, 9 1/2
Gold Medal, 7-8, 8	Wamsutta, 4-4, 10 1/2
Gilded Age, 5 1/2	Williamsville, 36, 10 1/2
SILKES.	
Crown, 10, 17	Masonville TS, 8
No. 10, 12 1/2	Masonville S, 10 1/2
Coin, 10, 10	Lonsdale, 4-4, 9 1/2
Anchor, 15, 15	Phenix K, 10 1/2
Centennial, 15	Nictory O, 10 1/2
Blackburn, 8	Victory J, 10 1/2
Davol, 14	Victory D, 10 1/2
London, 12 1/2	Phenix K, 10 1/2
Pacoma, 12	Phenix K, 10 1/2
Red Cross, 10	Phenix B, 10 1/2
Social Imperial, 16	Phenix XX, 15
PRINTS.	
Albion, solid, 5 1/2	Gloucester, 5 1/2
Albion, grey, 6	Gloucester morn'g, 5 1/2
Allen's checks, 5 1/2	Hamilton fancy, 5 1/2
Allen's fancy, 5 1/2	Hartel fancy, 5 1/2
Allen's pink, 5 1/2	Manchester, 5 1/2
Allen's purple, 5 1/2	Manchester, 5 1/2
American, fancy, 5 1/2	Oriental fancy, 5 1/2
Arnold fancy, 5 1/2	Oriental robes, 5 1/2
Berlinsolid, 5	Pacific robes, 5 1/2
Cochecho fancy, 5	Richmond, 6
Cochecho robes, 5 1/2	Rich River, 5 1/2
Conestoga fancy, 6	Simpson's, 6
Eddystone, 6	Washington fancy, 6
Eagle fancy, 5 1/2	Washington blues, 6
Garner pink, 5 1/2	
FINE BROWN COTTONS.	
Appleton A, 4-4, 6 1/2	Indian Orchard, 40, 8
Boott M, 4-4, 6 1/2	Indian Orchard, 36, 7 1/2
Boston F, 4-4, 7 1/2	Laconia B, 7-4, 16 1/2
Continental C, 4-4, 6 1/2	Lyman B, 40-in, 10 1/2
Continental D, 40-in, 8 1/2	Mass, BB, 4-4, 5 1/2
Conestoga W, 4-4, 6 1/2	Nashua E, 40-in, 8 1/2
Conestoga D, 7-8, 5 1/2	Nashua R, 4-4, 7 1/2
Conestoga G, 30-in, 6	Nashua O, 7-8, 6 1/2
Dwight X, 3-4, 5 1/2	Newmarket N, 6 1/2
Dwight Y, 7-8, 6 1/2	Piedmont, 36, 11 1/2
Dwight Z, 4-4, 6 1/2	Pepperell R, 4-4, 7 1/2
Dwight Star, 4-4, 7	Pepperell O, 7-8, 6 1/2
Ewight Star, 40-in, 9	Pepperell N, 3-4, 6 1/2
Enterprise EE, 30, 5	Pocasset C, 4-4, 6 1/2
Great Falls E, 4-4, 7	Saranac B, 7 1/2
Farmers' A, 4-4, 6	Saranac E, 9
Indian Orchard 1-4 7 1/2	
DOMESTIC GINGHAMS.	
Amoskeag, 7 1/2	Rentfrew, dress styl 9
Amoskeag, Persian 8 1/2	Johnson Manfg Co, 12 1/2
styles, 7 1/2	Bookfold, 12 1/2
Bates, 7 1/2	Johnson Manfg Co, 12 1/2
Berkshire, 7 1/2	dress styles, 12 1/2
Glasgow checks, 7 1/2	Slatteryville, dress 7 1/2
Glasgow checks, 7 1/2	styles, 7 1/2
Glasgow checks, 7 1/2	White Mfg Co, stap 7
royal styles, 8	White Mfg Co, fane 8
Gloucester, 7 1/2	White Manfg Co, 7
standard, 7 1/2	Earlston, 8 1/2
Plunket, 7 1/2	Gordon, 7
Lancaster, 8	Greylock, dress 12 1/2
Langdale, 7 1/2	styles, 7 1/2
WIDE BLEACHED COTTONS.	
Androscoogin, 7-4, 21	Pepperell, 10-4, 27 1/2
Androscoogin, 8-4, 23	Pepperell, 11-4, 27 1/2
Pepperell, 7-4, 16 1/2	Pequot, 7-4, 18
Pepperell, 8-4, 20	Pequot, 8-4, 21
Pepperell, 9-4, 23 1/2	Pequot, 9-4, 24
HEAVY BROWN COTTONS.	
Atlantic A, 4-4, 7 1/2	Lawrence XX, 4-4, 7
Atlantic H, 4-4, 7 1/2	Lawrence Y, 30, 7
Atlantic D, 4-4, 6 1/2	Lawrence LL, 4-4, 5 1/2
Atlantic P, 4-4, 6 1/2	Newmarket N, 6 1/2
Atlantic LL, 4-4, 5	Mystic River, 4-4, 5 1/2
Adriatic, 36, 7 1/2	Pequot A, 4-4, 7 1/2
Augusta, 4-4, 6 1/2	Pequot B, 4-4, 7 1/2
Boott M, 4-4, 6 1/2	Stark AA, 4-4, 7 1/2
Boott FF, 4-4, 7 1/2	Tremont CC, 4-4, 5 1/2
Graniteville, 4-4, 5 1/2	Utica, 4-4, 9 1/2
Indian Head, 4-4, 7	Wachusett, 4-4, 7 1/2
Indiana Head 45-in, 12 1/2	Wachusett, 30-in, 6 1/2
TICKINGS.	
Amoskeag, ACA, 12 1/2	Falls, XXXX, 18 1/2
Amoskeag, 4-4, 19	Falls, XXX, 15 1/2
Amoskeag, A, 12 1/2	Falls, BB, 11 1/2
Amoskeag, B, 11 1/2	Falls, BIC, 36, 10 1/2
Amoskeag, C, 11	Falls, awning, 19
Amoskeag, D, 10 1/2	Hamilton, BT, 32, 12
Amoskeag, E, 10	Hamilton, D, 9 1/2
Premium A, 4-4, 17	Hamilton fancy, 10
Premium B, 16	Methuen AA, 12
Extra 4-4, 16	Methuen ASA, 16 1/2
Extra 7-8, 14 1/2	Omega A, 7-8, 11
Gold Medal 4-4, 15	Omega A, 4-4, 13
CCA 7-8, 12 1/2	Omega ACA, 7-8, 14
CT 4-4, 14	Omega ACA, 4-4, 16
RC 7-8, 14	Omega SE, 7-8, 24
RF 7-8, 16	Omega SE, 4-4, 27
AF 4-4, 19	Omega M, 7-8, 22
Cordis AAA, 32, 14	Omega M, 4-4, 25
Cordis ACA, 32, 15	Shetucket SS&SSW 11 1/2
Cordis No. 1, 32, 15	Shetucket, S & SW, 12
Cordis No. 2, 14	Shetucket, SFS, 12
Cordis No. 3, 13 1/2	Stockbridge A, 7
Cordis No. 4, 11 1/2	Stockbridge Frney, 8
GLAZED CAMBRICS.	
Garner, 5	Empire, 4 1/2
Bookfold, 5	Washington, 4 1/2
Red Cross, 5	Edwards, 5
Forest Grove, 5	S. S. & Sons, 5
GRAIN BAGS.	
American A, 18	Old Ironsides, 15
Stark A, 22 1/2	Wheatland, 21
DENIMS.	
Boston, 6 1/2	Otis CC, 10 1/2
Everett blue, 13 1/2	Warren XX, 12 1/2
Everett brown, 13 1/2	Warren BB, 11 1/2
Otis AXA, 12 1/2	Warren CC, 10 1/2
Otis BB, 11 1/2	York fancy, 12 1/2
PAPER CAMBRICS.	
Manville, 6	S. S. & Sons, 6
Magnville, 6	Garner, 6
WIGANS.	
Red Cross, 7 1/2	Thistle Mills, 8
Berlin, 7 1/2	Rose, 8
Garner, 7 1/2	
SPOOL COTTON.	
Brooks, 55	Eagle and Phoenix, 30
Clark's O. N. F., 55	Mills ball sewing, 30
J. & P. Coats, 55	Grech & Daniels, 25
Williamson 6 cord, 55	Merriks, 40
Williamson 3 cord, 40	Staford, 25
Charleston ball sew	Hall & Manning, 25
ing thread, 30	Holyoke, 25
CORSET LANS.	
Armory, 6 1/2	Kearsage, 7 1/2
Androscoogin sat., 7 1/2	Naumkeag satteen, 7 1/2
Canoe River, 6	Pepperell bleached, 7 1/2
Clarendon, 6 1/2	Pepperell sat., 8 1/2
Hallowell Imp., 6 1/2	Rockport, 8 1/2

THE DRUMMER'S DEATH.

Written Expressly for THE TRADESMAN.
The summer's sun was sinking in the bounding western wave,
The soft foam kissed the jagged rocks and seemed the sands to lave,
The red and gold reflection from the dying king of day
Painted the crest of billows and tinged the dancing spray.
'Twas a glorious sight to see all this, 'twas beautiful as well
To cast the eye upon the land and note the rising swell
Of rich, green meadows sweeping back to meet the hills beyond
And the village nestling at their base so trustingly and fond,
One cottage near the village green the sun seemed loth to leave,
It shed a benediction from the dainty porch to eave,
And lingered lovingly about the door o'er-grown with vines
Then lighted like gems the slender spikes upon the group of pines
At the gateway. 'Twas a pretty place and seemed a fit abode
For any weary traveler while resting on his road.
Within the cottage stood a group, grief-laden and oppressed,
Sob after sob seemed swelling from each sorrow-stricken breast;
Tears flowed like showers of rain drops over cheeks with sorrow pale
And anon broke from some burdened heart, a low and mournful wail.
What means this sad heart-rending scene? Why all these signs of woe?
Let us enter and endeavor some true sympathy to show.
We pause upon the threshold, we gaze with bated breath,
We find a guest before us—the chill, pale angel, Death.
Upon a couch, drawn up before the window to assay
To hold the last faint glimmer of the sun's departing ray
Lay a man whose life was ebbing fast, whose breath came faint and low,
Whose only tinge of color came from the sunset's glow.
We will listen—he is speaking—bend low that you may hear
The last fond words of comfort to the wife and children dear.
"Dear wife, I'm going from you. I feel the touch of death.
Cold and colder is my life blood, faint and fainter comes my breath.
But e'er I go from earth and you, some parting words I'd say
To my comrades, who have cheered me, along life's rough highway.
Dear wife, they say a drummer cannot be an honest man,
But I feel as if my life's works will show the world they can.
I have been a faithful husband, I have been a father kind,
And as I look before me, God knows I am resigned.
In the places where I've sold my goods and lingered many days,
I left no broken hearts behind when I went my various ways;
No ruined lives disturb my peace, no dark disgrace or shame;
I can hold my hands as spotless of blighted homes or name;
My duty to my children I have striven hard to do
I loved them with a love which taught me ever to be true;
I could ne'er have done an act that would have brought the blush of shame
To my sweet daughter's brow at mention of her father's name;
I have prudent been and saving, and I leave to you a home
And means to guard against the fear of want in days to come."
He paused—"Now, to my traveling friends, these few words I would say,
I must hasten for my time on earth is gliding fast away:
I have done my duty man to man, you'll all agree in this,
And these few words from a dying man I pray take not amiss.
The world judges us harshly, some say we are the worst
Profession e'er permitted, Among men most accursed;
They claim the alpha and omega your aim is to be
To ruin woman's honor and bring her infamy.
Now, brother-workers, there are, some within our mighty band
Who bring the blush of shame on our manhood, strong and grand.
You know this truth as well as I, but where can there be found
One profession that is blameless the whole wide world around.
There are black sheep in all flocks, they say; and even heaven of old
Was shaken by vile Lucifer, a wolf within the fold.
'Tis most unjust to judge the whole great band of traveling men
By the few whom men have known to wrong, now and again.
But we cannot fight injustice with weapons of her own,
So, brothers, meet the monster with a power that can dethrone.
Make your lives appear before the world upright and brave and true;
Show manliness before mankind, claim honor as your due,
And if you then be still misjudged your best reward you'll find,
As I have done, is conscience clear and perfect piece of mind.
Now, comrades dear, farewell; dear wife, come closer to my side,
I would feel your loving presence when sight is denied.
Dry your tears, and sing that blessed hymn 'Just as I am, I come,'
And the angels will the sweet notes swell, and bid me welcome home.
I know, dear wife, I'll be there, when you come o'er the tide,
And we'll spend a blessed eternity in heaven, side by side.
You can tell them there's one drummer upon the heavenly shore,
And I feel that when I get there I shall meet with many more.
There are Christ-like hearts among them"—a soft and fluttering sigh,
A smile of radiant happiness told that the end was nigh.
The wife leaned forward anxiously, but the heart had ceased to beat,
The spirit of the drummer had gone his God to meet.
ADA L. JOHNSON.
Byerson, Nov. 25, 1885.

F. J. LAMB & CO.,
WHOLESALE AGENTS FOR THE
D. D. Mallory & Co.
Diamond Brand Fresh Oysters
In Cans or Bulk. Write for Quotations.
8 and 10 South Ionia Street, Grand Rapids, Mich.

WALL PAPER & WINDOW SHADES
At Manufacturers' Prices.
SAMPLES TO THE TRADE ONLY.
HOUSE & STORE SHADES MADE TO ORDER.
68 MONROE STREET, GRAND RAPIDS.
Nelson Bros. & Co.

The Well-Known
J. S. Farren & Co.
OYSTERS
ARE THE BEST IN MARKET.
PUTNAM & BROOKS
WHOLESALE AGENTS.

OYSTERS!
Eaton & Christenson
Are now in the market with their Famous
BIG GUN OYSTERS,
CANNED IN BALTIMORE BY
W. R. BARNES & CO.

"I. M. C." Best 10c Cigar in Michigan.
"Common Sense," Best 5c Cigar in Michigan.
CLARK, JEWELL & CO.,
SOLE AGENTS.

PERKINS & HESS,
DEALERS IN
Hides, Furs, Wool & Tallow,
NOS. 122 and 124 LOUIS STREET, GRAND RAPIDS, MICHIGAN.
WE CARRY A STOCK OF CAKE TALLOW FOR MILL USE.

Only 35 Cents.
So confident are we that Dr. Peete's 35 cent Cough Cure will not disappoint the most sanguine expectations of a single broken-down consumptive invalid, that we warrant it. Had we not the most perfect confidence in its virtues, we would not think of offering it as we do. Sold by Hazelton, Perkins & Co., wholesale druggists, Grand Rapids, Mich.
LUDWIG WINTERNITZ,
JOBBER OF
Milwaukee Star Brand Vinegars.
Pure Apple Cider and White Wine Vinegars, full strength and warranted absolutely pure. Send for samples and prices. Also dealer in Sauerkraut. Arcade, Grand Rapids, Mich.

RINDGE, BERTSCH & CO.,
MANUFACTURERS AND WHOLESALE DEALERS IN
BOOTS AND SHOES.
AGENTS FOR THE
BOSTON RUBBER SHOE CO.
We have a splendid line of goods for Fall trade and guarantee our prices on Rubbers. The demand for our own make of Women's, Misses' and Childs shoes is increasing. Send in your orders and they will be promptly attended to.
14 and 16 Pearl Street, Grand Rapids, Mich.

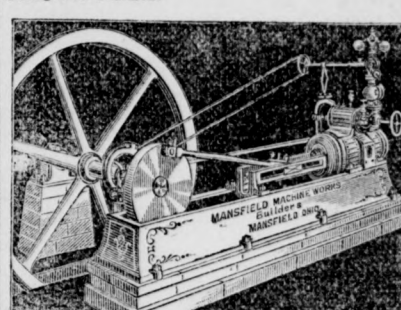
F. F. ADAMS & CO.'S
DARK AROMATIC
Fine Cut Chewing Tobacco is the very best dark goods on the Market.
Eaton & Christenson, Agts.,
Grand Rapids. - - Mich.

APPLES!
We have a large Western order trade for Apples in car lots, as well as a good local demand, and also handle both Evaporated and Sun-dried Apples largely. If you have any of these goods to ship, or any Potatoes or Beans, let us hear from you, and we will keep you posted on market price and prospects. Liberal cash advances made on dried fruit, also on apples in car lots.
EARL BROS., COMMISSION MERCHANTS,
Reference—First National Bank. 157 S. WATER ST., CHICAGO, ILL.
See Our Wholesale Quotations elsewhere in this issue and write for
Special Prices in Car Lots.
We are prepared to make Bottom Prices on anything we handle.
A. B. KNOWLSON,
3 Canal Street, Basement, Grand Rapids, Mich.

THE LEADING BRANDS OF TOBACCO
Offered in this Market are as follows:
PLUG TOBACCO.
RED FOX - - - - - .48
BIG DRIVE - - - - - .50
PATROL - - - - - .46
JACK RABBIT - - - - - .38
SILVER COIN - - - - - .46
PANIC - - - - - .46
BLACK PRINCE, DARK - - - - - .35
BIG STUMP - - - - - .38
APPLE JACK - - - - - .46
2c less in orders for 100 pounds of any one brand.
FINE CUT.
THE MEIGS FINE CUT, DARK, Plug flavor .64
STUNNER, DARK - - - - - .38
RED BIRD, BRIGHT - - - - - .50
OPERA QUEEN, BRIGHT - - - - - .40
FRUIT - - - - - .32
O SO SWEET - - - - - .30
2c less in 6 pail lots.

SMOKING.
ARTHUR'S CHOICE, LONG CUT, BRIGHT .22
RED FOX, LONG CUT, FOIL - - - .26
GIPSEY QUEEN, GRANULATED - - .26
OLD COMFORT, IN CLOTH - - - .27
SEAL OF GRAND RAPIDS, IN CLOTH .24
DIME SMOKER, IN CLOTH - - - .24
2c less in 100 pound lots.
These brands are sold only by
Arthur Meigs & Co.
Wholesale Grocers,
Who warrant the same to be unequalled. We guarantee every pound to be perfect and all right in every particular. We cordially invite you, when in the city, to visit our place of business, 77, 79 and 71 South Division Street. It may save you money.

HENRY KRITZER,
PROPRIETOR
NEWAYGO
Roller Mills
MANUFACTURER OF THE
"Crown Prince"
BRAND.
ALWAYS UNIFORM IN QUALITY.
FINEST GRADES OF WHEAT AND BUCKWHEAT FLOUR A SPECIALTY.
BUCKWHEAT FLOUR, ROLLER PROCESS, GUARANTEED PURE.

PORTABLE AND STATIONARY
ENGINES
From 2 to 150 Horse-Power. Boilers, Saw Mills, Grist Mills, Wood Working Machinery, Shafting, Pulleys and Boxes. Contracts made for Complete Outfits.

W. C. Denison,
88, 90 and 92 South Division Street,
GRAND RAPIDS, - MICHIGAN.

TIME TABLES.
Michigan Central.
DEPART.
*Detroit Express..... 6:00 a.m.
*Day Express..... 12:45 p.m.
*Atlantic Express..... 9:20 p.m.
Way Freight..... 6:50 a.m.
ARRIVE.
*Pacific Express..... 6:00 a.m.
*Mail..... 3:50 p.m.
*Grand Rapids Express..... 10:50 p.m.
Way Freight..... 5:15 a.m.
*Daily except Sunday. *Daily.
Sleeping cars run on Atlantic and Pacific Express.
Direct and prompt connection made with Great Western, Grand Trunk and Canada Southern trains in same depot at Detroit, thus avoiding transfers.
The Detroit Express leaving at 6:00 a. m. has Drawing Room and Parlor Car for Detroit, reaching that city at 11:45 a. m. New York 10:30 a. m. and Boston 3:05 p. m. next day.
A train leaves Detroit at 4 p. m. daily except Sunday with drawing room car attached, arriving at Grand Rapids at 10:50 p. m.
J. T. SCHULTZ, Gen'l Agent.
Chicago & West Michigan.
Leaves. Arrives.
*Mail..... 9:15 a.m. 4:25 p.m.
*Day Express..... 1:00 p.m. 9:15 p.m.
*Night Express..... 10:40 p.m. 5:45 a.m.
Muskegon Express..... 4:15 p.m. 11:15 a.m.
*Daily. *Daily except Sunday.
Pullman Sleeping Cars on all night trains. Through parlor car in charge of careful attendants without extra charge to Chicago on 1:30 p. m. and through coach on 9:15 a. m. and 10:40 p. m. trains.
NEWAYGO DIVISION.
Leaves. Arrives.
Express..... 4:15 p.m. 4:05 p.m.
Express..... 8:05 a.m. 11:15 a.m.
All trains arrive and depart from Union Depot.
The Northern terminus of this Division is at Baldwin, where close connection is made with F. & P. M. trains to and from Ludington and Manistee.
J. H. CARPENTER, Gen'l Pass. Agent.
J. B. MULLIKEN, General Manager.
Lake Shore & Michigan Southern.
(KALAMAZOO DIVISION.)
Arrive. Leave.
Express..... 7:15 p.m. 7:30 a.m.
Mail..... 9:50 a.m. 4:00 p.m.
All trains daily except Sunday.
The train leaving at 4 p. m. connects at White Pigeon with Atlantic Express on Main Line, which has Palace Drawing Room Sleeping Coaches from Chicago to New York and Boston without change.
The train leaving at 7:30 a. m. connects at White Pigeon (giving one hour for dinner) with special New York Express on Main Line.
Through tickets and berths in sleeping coaches can be secured at Union Ticket office, 67 Monroe street and depot.
J. W. McKENNEY, Gen'l Agent.
Detroit, Grand Haven & Milwaukee.
GOING EAST. Arrives. Leaves.
*Steamboat Express..... 6:35 a.m.
*Through Mail..... 10:10 a.m. 10:30 p.m.
*Evening Express..... 3:20 p.m. 3:35 p.m.
*Limited Express..... 8:50 p.m. 10:45 p.m.
*Mixed, with coach..... 10:30 a.m.
GOING WEST.
*Morning Express..... 1:05 p.m. 1:10 p.m.
*Through Mail..... 5:10 p.m. 5:15 p.m.
*Steamboat Express..... 10:40 a.m.
*Mixed..... 5:10 a.m. 7:10 a.m.
*Night Express..... 5:10 a.m. 5:30 a.m.
*Daily, Sundays excepted. *Daily.
Passengers taking the 6:35 a. m. Express make close connections at Owasco for Lansing and at Detroit for New York, arriving there at 10:00 a. m. the following morning.
The Night Express has a through Wagner Car and local Sleeping Car Detroit to Grand Rapids.
D. POTTER, City Pass. Agent.
GEO. B. REEVE, Traffic Manager, Chicago.
Grand Rapids & Indiana.
GOING NORTH. Arrives. Leaves.
Cincinnati & Gd Rapids Ex. 9:20 p.m. 7:15 a.m.
Cincinnati & Mackinac Ex. 9:30 p.m. 5:30 p.m.
Ft. Wayne & Mackinac Ex. 4:10 p.m. 5:05 p.m.
G'd Rapids & Trav. City Ac. 7:00 a.m.
GOING SOUTH.
G. Rapids & Cincinnati Ex. 7:15 a.m.
Mackinac & Cincinnati Ex. 5:05 p.m. 5:30 p.m.
Mackinac & Ft. Wayne Ex. 10:30 a.m. 11:45 p.m.
Cadillac & G'd Rapids Ac. 10:30 p.m.
All trains daily except Sunday.
SLEEPING CAR ARRANGEMENTS.
North—Train leaving at 5:05 o'clock p. m. has Sleeping and Chair Cars for Petoskey and Mackinac. Train leaving at 11:30 a. m. has combined Sleeping and Chair Car for Mackinaw City.
South—Train leaving at 5:30 p. m. has Wood-ruff Sleeping Car for Cincinnati.
C. L. LOCKWOOD, Gen'l Pass. Agent.
Detroit, Mackinac & Marquette.
Trains connect with G. R. & I. trains for St. Ignace, Marquette and Lake Superior Points, leaving Grand Rapids at 5:00 p. m., arriving at Marquette at 1:35 p. m. and 6:10 p. m. Returning leave Marquette at 7:30 a. m. and 2:00 p. m., arriving at Grand Rapids at 10:30 a. m. Connection made at Marquette with the Marquette, Houghton and Ontonagon Railroad for the Iron, Gold and Silver and Copper Districts.
E. W. ALLEN.
Gen'l Pass. & Tkt. Agt., Marquette, Mich.

Groceries.

Trouble in the Potato Market.

Local potato shippers complain about the unwarranted discrimination with which Michigan rose potatoes are treated in the Philadelphia, Pittsburg, Louisville and Cincinnati markets. They assert—and produce the written letters of dealers in the cities mentioned to substantiate their claim—that the agitation against the variety named on the alleged ground that it is inclined to be red in color is creating a feeling against the potato which will practically amount to a shut-out, thus causing a loss on all now in the hands of shippers and compelling growers to find a home market or feed them to stock. Such a condition of affairs is not due to any valid objection against the potato, but to the fact that most of the markets are overloaded and that the receivers have felt the necessity of trumping up some excuse to refuse further consignments on the basis of their reports, in order to avoid loss. Nevertheless, the Philadelphia dealers continue to send out delusive reports, quoting Michigan rose potatoes at a good figure, and saying nothing about any redness in appearance affecting their sale. Such knavery is inclined to make the legitimate dealer slightly "tired."

Two More Counties Head From.

From J. H. Williams, grocer and furniture dealer, Leroy: "I do not feel like paying cartage at Grand Rapids, also at this end; and if I have to, I shall charge all drummers of a medium size 5 cents for entering my place with grip, and such heavy weight as Joe. Reed and Hub Baker I shall charge 10 cents. I shall have to do something to keep even."

From R. G. Bruce, grocer, Bellaire: "You can put me down as one of the kickers against the charge for cartage of the wholesale grocers. I formerly bought in Chicago, but changed to Grand Rapids because they charged cartage in Chicago, but the difference between Chicago and Grand Rapids prices being in favor of Chicago with the addition of cartage to Grand Rapids prices, I shall again return to Chicago. My cartage tax is excessive enough now, as I am sixteen miles from the railroad and have to pay 20 cents per hundred pounds to lay my goods down from the railroad station, in addition to the exorbitant charges of the G. R. & I. Railway; and I don't think I shall tamely submit to any further addition to my charges from Grand Rapids."

Two Opinions.

"The condition of the retail grocery trade in many of the interior towns is simply deplorable," said a well-known traveling man. "While merchants in other lines are selling goods at a living profit, the grocerymen seem to be trying to cut each other's throats. For instance, I find that in many towns the dealers are selling Arbuckle's coffee at a shilling a pound, while they are paying 13½ cents for it and the freight. The same is true of many other staple goods. To my mind, there has got to be a thinning out of the retail grocery trade before we shall see any great degree of prosperity."

"The merchants at my old home, Tecumseh, used to pull together on all matters affecting the good of the trade," said the tactful book-keeper, "with one exception. That man was continually cutting and slashing, and he made the other dealers no end of trouble. He failed three or four years ago—owing Secor, Berdan & Co. about \$3,000—and settled up at 25 cents. But that didn't stop his cutting practice. He resumed that way of doing business as soon as he got started again and I understand he is about ready to fail again."

He Followed Instructions.

Grocer (to new boy)—You must tell the people that we are very busy, James, whether we are or not. They like to buy of a firm that does a large trade.

New boy—All right, sir.

Grocer (a little later)—Didn't old Mrs. Benson want anything, James?

New boy—Yes, sir; she wanted a couple o' mackerel an' ten pounds o' brown sugar, an' I told her we were so busy we didn't know which way to turn, an' so she said she was in a hurry, and she'd get 'em round the corner.

Will Pay Every Grocer 100 Per Cent.

"I may mention that the trade journals are most useful, and a careful perusal and study of them will pay every grocer 100 per cent. on the amount he pays for them. If the grocers only knew how much work and expense were embodied in the weekly papers, they might perhaps appreciate them more highly."—F. B. Thurber.

"Every Business Man Should Have It."

From the Traverse Journal.

Every business man, be he large or small dealer, should have THE MICHIGAN TRADESMAN, a paper devoted to the commercial interests of the country. It is ably edited, and contains a vast amount of information for merchants and those who follow in any way, commercial pursuits.

The market is nearly bare of elm butter plates, as the factory at Mancelona is unable to keep pace with the demand, on account of the inability of the management to get in timber fast enough to supply the working capacity of the factory. The gray elm used in the manufacture of butter plates in this State is greatly superior to the water elm used by the Delta, Ohio, factory, as the former never sours, either in warm or damp weather. To this point of superiority is due the enormous demand of the Mancelona butter plate.

A Tale About Wall Paper.

From the Chicago News.

"I expect the wall-paper pool will burst one of these days," said a well-known manufacturer the other day, "the agreement is only made for a year and the big jobbers are getting more and more dissatisfied with it every day. Maxwell, McGrath and Mackay would go out of the pool to-day if they could. We were in it a few years ago, but we found it just as profitable and much more pleasant to step out. There are now twenty-three firms in the pool and nine out. We make all of our own goods and sell them directly to the retailer. We save our discount to him and sell to the retailer at less than the pool rates would be. We sell in any quantity, whereas members of the pool have to take 600 pieces to get the discount. The pool is only profitable to the big jobbers. The little fellows never make anything by it. The existence of the pool keeps the price of wall-paper 40 per cent. above what it should be. This is shown by the price lists. While all other articles of merchandise have come down in price, wall-paper sells at the same figure it did five or six years ago. Still the pool is a good thing for the manufacturers, for there is more money in it for them than there would be otherwise. America beats the world on wall-paper of all except the finer grades. There Europe is ahead of us. Over there, however, the cheaper papers are all grays or drabs or some such dull, solid color. In spite of the duty of 20 per cent., these grades could be imported here and sold for 25 per cent. below cheap American papers, but nobody does it, for there isn't any demand for them. Lincrusta-Walton has slightly affected the sale of the finer grades of paper, but it is very expensive. It is an extremely useful thing, taking, as it does, the place of paper or wood wainscoting in the interiors and being used for siding on the outside of houses. Picture frames and other things are also constructed of it. It is easily adjusted and can be repainted or touched up as often as needed. Car builders fit up palace cars with it and its use is extending every day. There is a monopoly in the manufacture of it in this country, the only producer being a firm in Stamford, Conn., which bought the American right from Walton himself. Walton lives in France. He invented linoleum and made a fortune out of it. It is made of linseed oil and powdered cork. Lincrusta is linseed oil cake backed with paper and cheese-cloth."

Getting His Money's Worth.

From the Boston Courier.

"What an enormously large woman Green's wife is," said Brown to Black.

"Yes," was the reply, "she is a regular giantess."

"What led him to marry such a large woman?"

"Oh, his miserly disposition."

"What?"

"It's a fact. He's the meanest, most miserly fellow I ever knew, and when he made up his mind to get married he looked around to find the largest woman in the neighborhood. He said if he was going to the expense of taking a wife he was going to have as much for his money as possible. Oh, yes, I assure you Green is shrewd fellow."

The Grocery Market.

Business and collections are both as good as could be expected. Sugars are a trifle weaker, and package coffees have declined ¼ cent. Other articles in the grocery line are about steady.

Candy, nuts and fruits are steady.

Potatoes are rotting badly all over the State of New York. A Monroe county farmer doubts whether there are more than enough good potatoes there to supply the people and give farmers seed for next spring.

A card from the Retail Grocers' Union of New York announces that the following subject will be discussed on the evening of the 3rd: "Initiation Butter, whether it ought to be sold and how it should be sold." THE TRADESMAN regrets that it cannot be present on the occasion.

Grocers' Association of the City of Muskegon.

OFFICERS.

President—H. B. Fargo.
First Vice-President—Wm. B. Keitt.
Second Vice-President—A. Towl.
Recording Secretary—Wm. Peer.
Financial Secretary—John DeHaas.
Board of Directors—O. Lambert, W. I. McKenzie, H. B. Smith, Wm. B. Kelly, A. Towl and E. Johnson.
Finance Committee—Wm. B. Kelly, A. Towl and E. Johnson.
Committee on Rooms and Library—O. Lambert, H. B. Smith and W. I. McKenzie.
Arbitration Committee—B. Borgman, Garrit Wagner and John DeHaas.
Complaint Committee—Wm. B. Keitt, D. A. Boelkins, J. O. Jeannot, R. S. Miner and L. Vincent.
Law Committee—H. B. Fargo, Wm. B. Keitt and A. Towl.
Transportation Committee—Wm. B. Keitt, Andrew Wierwille and Wm. Peer.
Regular meetings—First and third Wednesday evenings of each month.
Next meeting—Wednesday evening, Dec. 16.

Michigan Dairymen's Association.

Organized at Grand Rapids, February 25, 1885.

President—Milan Wiggins, Bloomingdale.
Vice-Presidents—W. H. Howe, Canape; F. C. Stone, Saginaw City; A. P. Foltz, Davison Station; F. A. Rockafellow, Carson City; Warren Haven, Bloomingdale; Chas. E. Belknap, Grand Rapids; L. F. Cox, Portage; John Bost, Vriesland; E. C. Nash, Hillsdale; D. M. Adams, Ashland; Jos. Post, Clarksville.
Secretary and Treasurer—E. A. Stowe, Grand Rapids.
Next Meeting—Third Tuesday in February, 1886.
Membership Fee—\$1 per year.
Official Organ—THE MICHIGAN TRADESMAN.

PROVISIONS.

The Grand Rapids Packing & Provision Co. quote as follows:

PORK IN BARRELS.
Mess, Chicago packing, new.....11 50
Mess, Chicago packing, old.....10 50
Back, short pork, Chicago packing.....12 00
Back, extra short cut, Chicago packing.....12 50
Extra family clear, short cut, new.....12 75
A. Webster packer, short cut.....12 50
Extra pig, short cut.....12 00
Extra clear, heavy.....13 50
Clear back, short cut.....13 50

DIETARY MEATS—IN BOXES.
Long Clogs, heavy.....6 60
" medium.....6 60
" light.....6 60
Short Clogs, heavy.....6 60
" do, light.....6 60
do, light.....6 60

SMOKED MEATS—CANNED OR PLAIN.
Hams, heavy.....10 00
" medium.....10 00
" light.....10 00
Bacon, sliced.....6 60
Bacon, shoulders.....6 60
Breakfast Bacon.....7 50
Dried Beef, extra quality.....11 00
Dried Beef, ham pieces.....11 00
Shoulders cured in sweet pickle.....6 60

LARD.
Threeos.....6 75
20 and 50 lb Tubs.....7 75
50 lb Round Tins, 100 cases.....7 75

LARD IN TIN PAILS.
20 lb Round Tins, 80 lb racks.....7 75
3 lb Pails, 20 in a case.....7 75
5 lb Pails, 6 in a case.....7 75
10 lb Pails, 6 in a case.....7 75

BEEF IN BARRELS.
Extra Mess Beef, warranted 200 lbs.....9 38
Boneless, extra.....13 50

SAUSAGE—FRESH AND SMOKED.
Pork Sausage.....10 00
Ham Sausage.....10 00
Frankfort Sausage.....10 00
Blood Sausage.....10 00
Bologna, straight.....10 00
Bologna, head pieces.....10 00
Head Cheese.....10 00

PIGS' FEET.
In half barrels.....3 75
In quarter barrels.....3 75

FRESH MEATS.
John Mohrhard quotes the trade selling prices as follows:
Fresh Beef, sides.....5 60
Fresh Beef, hind quarters.....5 60
Dressed Hogs.....5 60
Mutton, carcasses.....4 50
Veal.....8 25
Pork Sausage.....7 50
Bologna.....7 50
Fowls.....7 50
Spring Chickens.....7 50
Ducks.....7 50
Turkeys.....7 50

HIDES, PELTS AND FURS.
Perkins & Hess pay as follows:
HIDES.
Green.....@ 7
Part cured.....@ 8 1/2
Full cured.....@ 9 1/2
Dry hides and skins.....@ 12
Kips.....@ 12

SHEEP PELTS.
Shearings.....@ 20
Lam skins.....@ 40
Old wool, estimated washed @ lb.....@ 4 1/2
Tallow.....@ 2 1/2

FURS.
Fine washed @ lb 24 @ 27 Unwashed.....2 3
Coarse washed.....1 80
Bear.....1 00 @ 12 00
Fisher.....2 00 @ 6 00
Red Fox.....25 @ 1 00
Grey Fox.....25 @ 1 00
Martin.....25 @ 1 00
Mink.....05 @ 50
Muskrat, winter tan.....05 @ 50
Otter.....4 00 @ 50
Raccoon.....50 @ 75
Skunk.....10 @ 1 00
Beaver @ lb.....1 50 @ 2 50
Deer @ lb.....1 00 @ 3 00

FLAVORING EXTRACTS.
Lemon, Vanilla.....@ 1 00
Grape.....@ 1 00
Raspberry.....@ 1 00
Strawberry.....@ 1 00
Orange.....@ 1 00
Pineapple.....@ 1 00
Mint.....@ 1 00
Sassafras.....@ 1 00
Cloves.....@ 1 00
Cinnamon.....@ 1 00
Nutmeg.....@ 1 00
Allspice.....@ 1 00
Peppermint.....@ 1 00
Wintergreen.....@ 1 00
Sage.....@ 1 00
Savory.....@ 1 00
Thyme.....@ 1 00
Marjoram.....@ 1 00
Basil.....@ 1 00
Parsley.....@ 1 00
Dill.....@ 1 00
Celery.....@ 1 00
Caraway.....@ 1 00
Fennel.....@ 1 00
Anise.....@ 1 00
Mustard.....@ 1 00
Cayenne.....@ 1 00
Pepper.....@ 1 00
Salt.....@ 1 00
Sugar.....@ 1 00
Starch.....@ 1 00
Flour.....@ 1 00
Wheat.....@ 1 00
Corn.....@ 1 00
Rice.....@ 1 00
Oats.....@ 1 00
Barley.....@ 1 00
Malt.....@ 1 00
Hops.....@ 1 00
Yeast.....@ 1 00
Baking Powder.....@ 1 00
Cocoa.....@ 1 00
Chocolate.....@ 1 00
Ice Cream.....@ 1 00
Candy.....@ 1 00
Fruit.....@ 1 00
Nuts.....@ 1 00
Berries.....@ 1 00
Apples.....@ 1 00
Oranges.....@ 1 00
Lemons.....@ 1 00
Pine Apples.....@ 1 00
Peaches.....@ 1 00
Plums.....@ 1 00
Cherries.....@ 1 00
Apricots.....@ 1 00
Pears.....@ 1 00
Quinces.....@ 1 00
Raspberries.....@ 1 00
Blackberries.....@ 1 00
Strawberries.....@ 1 00
Currants.....@ 1 00
Grapes.....@ 1 00
Pineapples.....@ 1 00
Mangoes.....@ 1 00
Guavas.....@ 1 00
Limes.....@ 1 00
Citrus.....@ 1 00
Melons.....@ 1 00
Watermelons.....@ 1 00
Pumpkins.....@ 1 00
Squashes.....@ 1 00
Cucumbers.....@ 1 00
Eggplants.....@ 1 00
Peas.....@ 1 00
Beans.....@ 1 00
Lentils.....@ 1 00
Milk.....@ 1 00
Cream.....@ 1 00
Butter.....@ 1 00
Eggs.....@ 1 00
Honey.....@ 1 00
Syrup.....@ 1 00
Jelly.....@ 1 00
Marmalade.....@ 1 00
Pickles.....@ 1 00
Sauces.....@ 1 00
Condensed Milk.....@ 1 00
Evaporated Milk.....@ 1 00
Sterilized Milk.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Egg Powder.....@ 1 00
Flour Powder.....@ 1 00
Wheat Powder.....@ 1 00
Corn Powder.....@ 1 00
Rice Powder.....@ 1 00
Oat Powder.....@ 1 00
Barley Powder.....@ 1 00
Malt Powder.....@ 1 00
Hops Powder.....@ 1 00
Yeast Powder.....@ 1 00
Baking Powder.....@ 1 00
Cocoa Powder.....@ 1 00
Chocolate Powder.....@ 1 00
Ice Cream Powder.....@ 1 00
Candy Powder.....@ 1 00
Fruit Powder.....@ 1 00
Nuts Powder.....@ 1 00
Berries Powder.....@ 1 00
Apples Powder.....@ 1 00
Oranges Powder.....@ 1 00
Lemons Powder.....@ 1 00
Pine Apples Powder.....@ 1 00
Peaches Powder.....@ 1 00
Plums Powder.....@ 1 00
Cherries Powder.....@ 1 00
Apricots Powder.....@ 1 00
Pears Powder.....@ 1 00
Quinces Powder.....@ 1 00
Raspberries Powder.....@ 1 00
Blackberries Powder.....@ 1 00
Strawberries Powder.....@ 1 00
Currants Powder.....@ 1 00
Grapes Powder.....@ 1 00
Pineapples Powder.....@ 1 00
Mangoes Powder.....@ 1 00
Guavas Powder.....@ 1 00
Limes Powder.....@ 1 00
Citrus Powder.....@ 1 00
Melons Powder.....@ 1 00
Watermelons Powder.....@ 1 00
Pumpkins Powder.....@ 1 00
Squashes Powder.....@ 1 00
Cucumbers Powder.....@ 1 00
Eggplants Powder.....@ 1 00
Peas Powder.....@ 1 00
Beans Powder.....@ 1 00
Lentils Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Eggs Powder.....@ 1 00
Honey Powder.....@ 1 00
Syrup Powder.....@ 1 00
Jelly Powder.....@ 1 00
Marmalade Powder.....@ 1 00
Pickles Powder.....@ 1 00
Sauces Powder.....@ 1 00
Condensed Milk Powder.....@ 1 00
Evaporated Milk Powder.....@ 1 00
Sterilized Milk Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Egg Powder.....@ 1 00
Flour Powder.....@ 1 00
Wheat Powder.....@ 1 00
Corn Powder.....@ 1 00
Rice Powder.....@ 1 00
Oat Powder.....@ 1 00
Barley Powder.....@ 1 00
Malt Powder.....@ 1 00
Hops Powder.....@ 1 00
Yeast Powder.....@ 1 00
Baking Powder.....@ 1 00
Cocoa Powder.....@ 1 00
Chocolate Powder.....@ 1 00
Ice Cream Powder.....@ 1 00
Candy Powder.....@ 1 00
Fruit Powder.....@ 1 00
Nuts Powder.....@ 1 00
Berries Powder.....@ 1 00
Apples Powder.....@ 1 00
Oranges Powder.....@ 1 00
Lemons Powder.....@ 1 00
Pine Apples Powder.....@ 1 00
Peaches Powder.....@ 1 00
Plums Powder.....@ 1 00
Cherries Powder.....@ 1 00
Apricots Powder.....@ 1 00
Pears Powder.....@ 1 00
Quinces Powder.....@ 1 00
Raspberries Powder.....@ 1 00
Blackberries Powder.....@ 1 00
Strawberries Powder.....@ 1 00
Currants Powder.....@ 1 00
Grapes Powder.....@ 1 00
Pineapples Powder.....@ 1 00
Mangoes Powder.....@ 1 00
Guavas Powder.....@ 1 00
Limes Powder.....@ 1 00
Citrus Powder.....@ 1 00
Melons Powder.....@ 1 00
Watermelons Powder.....@ 1 00
Pumpkins Powder.....@ 1 00
Squashes Powder.....@ 1 00
Cucumbers Powder.....@ 1 00
Eggplants Powder.....@ 1 00
Peas Powder.....@ 1 00
Beans Powder.....@ 1 00
Lentils Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Eggs Powder.....@ 1 00
Honey Powder.....@ 1 00
Syrup Powder.....@ 1 00
Jelly Powder.....@ 1 00
Marmalade Powder.....@ 1 00
Pickles Powder.....@ 1 00
Sauces Powder.....@ 1 00
Condensed Milk Powder.....@ 1 00
Evaporated Milk Powder.....@ 1 00
Sterilized Milk Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Egg Powder.....@ 1 00
Flour Powder.....@ 1 00
Wheat Powder.....@ 1 00
Corn Powder.....@ 1 00
Rice Powder.....@ 1 00
Oat Powder.....@ 1 00
Barley Powder.....@ 1 00
Malt Powder.....@ 1 00
Hops Powder.....@ 1 00
Yeast Powder.....@ 1 00
Baking Powder.....@ 1 00
Cocoa Powder.....@ 1 00
Chocolate Powder.....@ 1 00
Ice Cream Powder.....@ 1 00
Candy Powder.....@ 1 00
Fruit Powder.....@ 1 00
Nuts Powder.....@ 1 00
Berries Powder.....@ 1 00
Apples Powder.....@ 1 00
Oranges Powder.....@ 1 00
Lemons Powder.....@ 1 00
Pine Apples Powder.....@ 1 00
Peaches Powder.....@ 1 00
Plums Powder.....@ 1 00
Cherries Powder.....@ 1 00
Apricots Powder.....@ 1 00
Pears Powder.....@ 1 00
Quinces Powder.....@ 1 00
Raspberries Powder.....@ 1 00
Blackberries Powder.....@ 1 00
Strawberries Powder.....@ 1 00
Currants Powder.....@ 1 00
Grapes Powder.....@ 1 00
Pineapples Powder.....@ 1 00
Mangoes Powder.....@ 1 00
Guavas Powder.....@ 1 00
Limes Powder.....@ 1 00
Citrus Powder.....@ 1 00
Melons Powder.....@ 1 00
Watermelons Powder.....@ 1 00
Pumpkins Powder.....@ 1 00
Squashes Powder.....@ 1 00
Cucumbers Powder.....@ 1 00
Eggplants Powder.....@ 1 00
Peas Powder.....@ 1 00
Beans Powder.....@ 1 00
Lentils Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Eggs Powder.....@ 1 00
Honey Powder.....@ 1 00
Syrup Powder.....@ 1 00
Jelly Powder.....@ 1 00
Marmalade Powder.....@ 1 00
Pickles Powder.....@ 1 00
Sauces Powder.....@ 1 00
Condensed Milk Powder.....@ 1 00
Evaporated Milk Powder.....@ 1 00
Sterilized Milk Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Egg Powder.....@ 1 00
Flour Powder.....@ 1 00
Wheat Powder.....@ 1 00
Corn Powder.....@ 1 00
Rice Powder.....@ 1 00
Oat Powder.....@ 1 00
Barley Powder.....@ 1 00
Malt Powder.....@ 1 00
Hops Powder.....@ 1 00
Yeast Powder.....@ 1 00
Baking Powder.....@ 1 00
Cocoa Powder.....@ 1 00
Chocolate Powder.....@ 1 00
Ice Cream Powder.....@ 1 00
Candy Powder.....@ 1 00
Fruit Powder.....@ 1 00
Nuts Powder.....@ 1 00
Berries Powder.....@ 1 00
Apples Powder.....@ 1 00
Oranges Powder.....@ 1 00
Lemons Powder.....@ 1 00
Pine Apples Powder.....@ 1 00
Peaches Powder.....@ 1 00
Plums Powder.....@ 1 00
Cherries Powder.....@ 1 00
Apricots Powder.....@ 1 00
Pears Powder.....@ 1 00
Quinces Powder.....@ 1 00
Raspberries Powder.....@ 1 00
Blackberries Powder.....@ 1 00
Strawberries Powder.....@ 1 00
Currants Powder.....@ 1 00
Grapes Powder.....@ 1 00
Pineapples Powder.....@ 1 00
Mangoes Powder.....@ 1 00
Guavas Powder.....@ 1 00
Limes Powder.....@ 1 00
Citrus Powder.....@ 1 00
Melons Powder.....@ 1 00
Watermelons Powder.....@ 1 00
Pumpkins Powder.....@ 1 00
Squashes Powder.....@ 1 00
Cucumbers Powder.....@ 1 00
Eggplants Powder.....@ 1 00
Peas Powder.....@ 1 00
Beans Powder.....@ 1 00
Lentils Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Eggs Powder.....@ 1 00
Honey Powder.....@ 1 00
Syrup Powder.....@ 1 00
Jelly Powder.....@ 1 00
Marmalade Powder.....@ 1 00
Pickles Powder.....@ 1 00
Sauces Powder.....@ 1 00
Condensed Milk Powder.....@ 1 00
Evaporated Milk Powder.....@ 1 00
Sterilized Milk Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Egg Powder.....@ 1 00
Flour Powder.....@ 1 00
Wheat Powder.....@ 1 00
Corn Powder.....@ 1 00
Rice Powder.....@ 1 00
Oat Powder.....@ 1 00
Barley Powder.....@ 1 00
Malt Powder.....@ 1 00
Hops Powder.....@ 1 00
Yeast Powder.....@ 1 00
Baking Powder.....@ 1 00
Cocoa Powder.....@ 1 00
Chocolate Powder.....@ 1 00
Ice Cream Powder.....@ 1 00
Candy Powder.....@ 1 00
Fruit Powder.....@ 1 00
Nuts Powder.....@ 1 00
Berries Powder.....@ 1 00
Apples Powder.....@ 1 00
Oranges Powder.....@ 1 00
Lemons Powder.....@ 1 00
Pine Apples Powder.....@ 1 00
Peaches Powder.....@ 1 00
Plums Powder.....@ 1 00
Cherries Powder.....@ 1 00
Apricots Powder.....@ 1 00
Pears Powder.....@ 1 00
Quinces Powder.....@ 1 00
Raspberries Powder.....@ 1 00
Blackberries Powder.....@ 1 00
Strawberries Powder.....@ 1 00
Currants Powder.....@ 1 00
Grapes Powder.....@ 1 00
Pineapples Powder.....@ 1 00
Mangoes Powder.....@ 1 00
Guavas Powder.....@ 1 00
Limes Powder.....@ 1 00
Citrus Powder.....@ 1 00
Melons Powder.....@ 1 00
Watermelons Powder.....@ 1 00
Pumpkins Powder.....@ 1 00
Squashes Powder.....@ 1 00
Cucumbers Powder.....@ 1 00
Eggplants Powder.....@ 1 00
Peas Powder.....@ 1 00
Beans Powder.....@ 1 00
Lentils Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Eggs Powder.....@ 1 00
Honey Powder.....@ 1 00
Syrup Powder.....@ 1 00
Jelly Powder.....@ 1 00
Marmalade Powder.....@ 1 00
Pickles Powder.....@ 1 00
Sauces Powder.....@ 1 00
Condensed Milk Powder.....@ 1 00
Evaporated Milk Powder.....@ 1 00
Sterilized Milk Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Egg Powder.....@ 1 00
Flour Powder.....@ 1 00
Wheat Powder.....@ 1 00
Corn Powder.....@ 1 00
Rice Powder.....@ 1 00
Oat Powder.....@ 1 00
Barley Powder.....@ 1 00
Malt Powder.....@ 1 00
Hops Powder.....@ 1 00
Yeast Powder.....@ 1 00
Baking Powder.....@ 1 00
Cocoa Powder.....@ 1 00
Chocolate Powder.....@ 1 00
Ice Cream Powder.....@ 1 00
Candy Powder.....@ 1 00
Fruit Powder.....@ 1 00
Nuts Powder.....@ 1 00
Berries Powder.....@ 1 00
Apples Powder.....@ 1 00
Oranges Powder.....@ 1 00
Lemons Powder.....@ 1 00
Pine Apples Powder.....@ 1 00
Peaches Powder.....@ 1 00
Plums Powder.....@ 1 00
Cherries Powder.....@ 1 00
Apricots Powder.....@ 1 00
Pears Powder.....@ 1 00
Quinces Powder.....@ 1 00
Raspberries Powder.....@ 1 00
Blackberries Powder.....@ 1 00
Strawberries Powder.....@ 1 00
Currants Powder.....@ 1 00
Grapes Powder.....@ 1 00
Pineapples Powder.....@ 1 00
Mangoes Powder.....@ 1 00
Guavas Powder.....@ 1 00
Limes Powder.....@ 1 00
Citrus Powder.....@ 1 00
Melons Powder.....@ 1 00
Watermelons Powder.....@ 1 00
Pumpkins Powder.....@ 1 00
Squashes Powder.....@ 1 00
Cucumbers Powder.....@ 1 00
Eggplants Powder.....@ 1 00
Peas Powder.....@ 1 00
Beans Powder.....@ 1 00
Lentils Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Eggs Powder.....@ 1 00
Honey Powder.....@ 1 00
Syrup Powder.....@ 1 00
Jelly Powder.....@ 1 00
Marmalade Powder.....@ 1 00
Pickles Powder.....@ 1 00
Sauces Powder.....@ 1 00
Condensed Milk Powder.....@ 1 00
Evaporated Milk Powder.....@ 1 00
Sterilized Milk Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Egg Powder.....@ 1 00
Flour Powder.....@ 1 00
Wheat Powder.....@ 1 00
Corn Powder.....@ 1 00
Rice Powder.....@ 1 00
Oat Powder.....@ 1 00
Barley Powder.....@ 1 00
Malt Powder.....@ 1 00
Hops Powder.....@ 1 00
Yeast Powder.....@ 1 00
Baking Powder.....@ 1 00
Cocoa Powder.....@ 1 00
Chocolate Powder.....@ 1 00
Ice Cream Powder.....@ 1 00
Candy Powder.....@ 1 00
Fruit Powder.....@ 1 00
Nuts Powder.....@ 1 00
Berries Powder.....@ 1 00
Apples Powder.....@ 1 00
Oranges Powder.....@ 1 00
Lemons Powder.....@ 1 00
Pine Apples Powder.....@ 1 00
Peaches Powder.....@ 1 00
Plums Powder.....@ 1 00
Cherries Powder.....@ 1 00
Apricots Powder.....@ 1 00
Pears Powder.....@ 1 00
Quinces Powder.....@ 1 00
Raspberries Powder.....@ 1 00
Blackberries Powder.....@ 1 00
Strawberries Powder.....@ 1 00
Currants Powder.....@ 1 00
Grapes Powder.....@ 1 00
Pineapples Powder.....@ 1 00
Mangoes Powder.....@ 1 00
Guavas Powder.....@ 1 00
Limes Powder.....@ 1 00
Citrus Powder.....@ 1 00
Melons Powder.....@ 1 00
Watermelons Powder.....@ 1 00
Pumpkins Powder.....@ 1 00
Squashes Powder.....@ 1 00
Cucumbers Powder.....@ 1 00
Eggplants Powder.....@ 1 00
Peas Powder.....@ 1 00
Beans Powder.....@ 1 00
Lentils Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Eggs Powder.....@ 1 00
Honey Powder.....@ 1 00
Syrup Powder.....@ 1 00
Jelly Powder.....@ 1 00
Marmalade Powder.....@ 1 00
Pickles Powder.....@ 1 00
Sauces Powder.....@ 1 00
Condensed Milk Powder.....@ 1 00
Evaporated Milk Powder.....@ 1 00
Sterilized Milk Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Egg Powder.....@ 1 00
Flour Powder.....@ 1 00
Wheat Powder.....@ 1 00
Corn Powder.....@ 1 00
Rice Powder.....@ 1 00
Oat Powder.....@ 1 00
Barley Powder.....@ 1 00
Malt Powder.....@ 1 00
Hops Powder.....@ 1 00
Yeast Powder.....@ 1 00
Baking Powder.....@ 1 00
Cocoa Powder.....@ 1 00
Chocolate Powder.....@ 1 00
Ice Cream Powder.....@ 1 00
Candy Powder.....@ 1 00
Fruit Powder.....@ 1 00
Nuts Powder.....@ 1 00
Berries Powder.....@ 1 00
Apples Powder.....@ 1 00
Oranges Powder.....@ 1 00
Lemons Powder.....@ 1 00
Pine Apples Powder.....@ 1 00
Peaches Powder.....@ 1 00
Plums Powder.....@ 1 00
Cherries Powder.....@ 1 00
Apricots Powder.....@ 1 00
Pears Powder.....@ 1 00
Quinces Powder.....@ 1 00
Raspberries Powder.....@ 1 00
Blackberries Powder.....@ 1 00
Strawberries Powder.....@ 1 00
Currants Powder.....@ 1 00
Grapes Powder.....@ 1 00
Pineapples Powder.....@ 1 00
Mangoes Powder.....@ 1 00
Guavas Powder.....@ 1 00
Limes Powder.....@ 1 00
Citrus Powder.....@ 1 00
Melons Powder.....@ 1 00
Watermelons Powder.....@ 1 00
Pumpkins Powder.....@ 1 00
Squashes Powder.....@ 1 00
Cucumbers Powder.....@ 1 00
Eggplants Powder.....@ 1 00
Peas Powder.....@ 1 00
Beans Powder.....@ 1 00
Lentils Powder.....@ 1 00
Milk Powder.....@ 1 00
Cream Powder.....@ 1 00
Butter Powder.....@ 1 00
Eggs Powder.....@ 1 00
Honey Powder.....@ 1 00

THE WORLD'S PROGRESS.

Mechanical and Scientific Notes of General Interest.

Compiled Especially for THE TRADESMAN.

The project of pipe lines for supplying New York and Philadelphia with natural gas is under consideration.

Birmingham, England, has decided to adopt the cable system for street railways as a result of the investigation of the lines in this country.

The Midland Railway Company of England has bought five thousand steel railway sleepers for use on their line. This will be the greatest experiment in the use of that material ever undertaken.

A new steamer for use on the Mississippi being built at Dubuque of steel is to be the fastest, staunchest and most magnificently fitted of any ever attempted for that trade. It will cost \$200,000.

The vibration caused by the explosion of Flood Rock was detected by a professor in Harvard Observatory 190 miles distant. By comparison of time it was found the vibratory wave traveled very nearly a mile per second.

The utilization of "culm" or "coal dirt" as fuel is attracting attention, and a large manufacturing institution is to be removed from Auburn, N. Y., to the coal regions on this account. The supply already mined and lying in waste heaps is practically inexhaustible.

In an experiment in long distance telephoning, Buffalo successfully talked with Albany, a distance of 325 miles with No. 4 wire. Then the line was increased to 414 miles by Rochester, making a loop through Buffalo to Albany and the experimenters carried on good conversation through this distance.

A "tether line" which consists of an electric cable on which runs a small motor propelling a train of ten carriers or "skips" is in operation in England. The line is nearly a mile long and is operated by a dynamo. Each skip carries 2 cwt., or a ton to each train load. It is used for carrying clay from a pit to the railroad and one train is now carrying 25 tons a day.

A new departure is being made in glass manufacture in the Ohio valley by the use of a furnace, which first generates gas from slack coal, then mixes a quantity of air with the gas, and this mixture is used to produce the heat in the furnace proper. The expense of fuel by this method is greatly reduced and will completely revolutionize the manufacture in that region.

A law and order reformer in New York has adopted a novel means of procuring evidence of the condition of affairs in and around saloons during hours when they should be closed. A pocket camera and instantaneous dry plates enable him to procure good photographs of the electric lighted premises unobserved. Clock dials appearing in the views give indisputable record of the hour.

For use in the Michigan mills a five-foot circular saw requires from 50 to 60 teeth, while for the Southern trade only 40 to 50 are used. The greater the number of teeth the smoother the lumber. But to get speed from such a saw it must be in perfect order. It is said that at a speed of 1,000 revolutions some Michigan sawyers have cut a sixteen-foot board in one second of time.

The expedition sent out last year by the Canadian government to ascertain the practicability of navigating Hudson's Bay for commercial purposes has been recalled and brought back by the Alert of Greely Relief Expedition fame. The winter temperature of that region was found to be much higher than anticipated, but the experience of the Alert in navigating the Bay this summer demonstrates that such a project is absolutely impracticable.

The cantilever bridge recently completed across the St. Johns river at St. Johns, N. B., is second in magnitude only to the one across the Niagara, among bridges of that type of construction. Previous to its completion, passengers were obliged to cross the river by ferry, leaving the cars for that purpose, as the Bay of Fundy tides made it impossible to ferry cars across. This bridge is the only means of communication between the United States and provincial systems of railways.

It Keeps the Women at Home.
Scene—A Canal street drug store.

Geo. R. Perry enters and inquires of the proprietor if he has any of Henry's Corn Cure.

The druggist replies in the negative, whereupon Mr. Perry informs him that he can't afford to do business without keeping such a staple article in stock.

"What particular merit has Henry's Corn Cure, which is not possessed by the dozen other remedies in that line?" asks Mr. Lacey.

"It is the best thing you ever saw to keep the women at home," replies Perry. "I got a bottle for my wife two weeks ago, and she hasn't been out of the house since."

Fiction, of Course.
"What I told my wife," is the title of a new book. It is needless to say that it is fiction.

Important changes of time have taken effect in the D. G. H. & M. timetable, as follows: Going east, the mail arrives at 10:40 and leaves at 10:50 a. m.; the evening express arrives at 3:40 and leaves at 3:50 p. m.; and the Atlantic express arrives at 8:50 and leaves at 10:45 p. m. Going west, the mail arrives at 5:00 and leaves at 5:10 p. m., and the night express leaves at 5:35 a. m. No other changes.

About Grindstones.

From the Michigan Manufacturer.

One of the most important tools about the machine shop is the grindstone. Perhaps some users of machine tools will smile at this assertion, and think it an exaggeration. But let them examine under a microscope the edge imparted to a tool by a good grindstone, and compare it to the edge formed by a coarse, imperfect stone. The importance of the stone then becomes apparent without argument, as it does, also, when the quality of work done by the cutter is examined critically. A good stone imparts to the tool a fine, even edge, which leaves the work smooth and unbroken, with a surface almost as perfect as if rough-polished. On the other hand, a cutter sharpened on a coarse-grained stone leaves on the work a rough, abraded surface, which requires a great deal of extra work in finishing. The coarse-edged tool presents, under the magnifying glass, an uneven, serrated edge. Its cutting point, which ought to show a fine, even line, consists, instead, of a series of minute spikes and spindles, which break and crush off at the first severe usage, leaving the tool to jam and crowd its way through the work without cutting, generating undue heat and friction, and increasing greatly the amount of labor necessary to produce good work.

The best usage is against running the grindstone in a trough of water. The stone absorbs too much water, and wastes away rapidly. A box below the stone is desirable, however, as a measure of cleanliness, as it catches the dirt and drip from the tool. A grindstone, if allowed to stand with one portion of its periphery in a trough of water, soon becomes softer on one side, wears away more rapidly at that point, and so gets out of balance. The trough should be water-tight, to prevent leakage of the drip, should be so far below the stone that the accumulating waste will never reach its surface, and should be emptied occasionally. The stone should be wet only when in use; and this should be done by means of a vessel suspended from above, with a faucet for regulating the flow of water to suit the requirements of the tools to be sharpened.

Greasy, rusty or dirty tools should be cleaned off before grinding. Neglect to do so, often causes the stone to become glazed, and to do its work imperfectly. When this occurs, the "grit" can be restored by pressing a board against the revolving stone, and dropping a little fine sand between the board and the stone. With proper care, however, a grindstone should never require this sort of treatment.

The best grindstones, with the most careful and intelligent usage, will sometimes get "out of true." It is seldom that a stone is homogeneous in quality throughout, and the softer parts will of course wear away the faster. The stone may be kept true by the frequent use of a turning-off tool. Many prefer to hang two stones in a single frame, making the axis of one of them, at least, adjustable, so that the surfaces of the stones may be brought together, both stones revolving in the same direction. By this means, the stones are kept perfectly true, and an even surface is maintained on each.

The selection of a good stone is not the easiest matter in the world, and involves several nice points of discrimination, familiar to the expert, but not necessary to specify here. Having found a good stone, it is advisable, when it is worn out, to preserve an ounce of the grit and send it by mail to the dealer of whom a new stone is to be purchased.

THEO. M. CARPENTER.

The Study of Engineering.

Professor Ryan to the students of Bristol University.

Nowhere is the injunction of Mr. Lowell, "Don't prophesy unless you know," so applicable as in engineering. The prophets are continually being discredited. It is almost half a century since Dr. Lardner told us that steamships could never carry coal enough for a voyage across the Atlantic. Afterwards we were told by the leading ship builders that iron ships could not swim, and when one or two floated we were told they would not hold together permanently. Later on we were informed that screws could never compete with paddles. Yet the Etruria, a steel screw steamship, crossed the Atlantic last August in less than six days and six hours, and it is still solid and intact.

I myself remember very confident assertions in 1877, of the impracticability of electric lighting by the incandescent system; it was asserted to be contrary to scientific principles, and to-day it is an accomplished fact. The Suez Canal was regarded as a wild and foolish scheme, but the energy and skill of a former student of a Parisian technical school brought it to a successful consummation. The application of iron, and later on of steel, to bridges was declared to be out of the question; the utilization of the blast-furnace gases was warranted to spoil the iron. In fine, almost every important advance has been taken in opposition to the prophetic warnings of cautious and conservative engineers.

The incredulity and even ridicule with which accounts of Giffard's injector, and the announcement of the discovery of the self-exciting principle in the dynamo were received, should be an encouragement to the engineers of the rising generation not to readily give up any promising field of investigation merely because some one of authority has decided that it must be unproductive. And now I would say to those who intend to follow the profession, don't imagine, because you are able to avail yourselves of instruction of which the last generation of engineers had no conception, that your work

will be lighter than theirs. You are able to begin where your predecessors left off; the results of their life work are at your service. Each of you, as Kingsley said, "is heir of all the ages' gain." You must, nevertheless, remember that the struggle is far keener now than it was formerly; that you are called upon to rise to Utopian heights of distinction and excellence. It will not do for you to indicate the site for a bridge by carelessly jerking a stone to the spot you may deem suitable, as a certain Welsh engineer of the timber age is said to have done. You will have to bring many sciences to bear on the selection, and more elaborate instruments than a pebble thrown at hazard. The old empirical, rule-of-thumb engineers would be left hopelessly behind in the present day.

The Hardware Market.

The event of the week in hardware circles has been the decline of nails to \$2.75 per keg. The downward movement is probably due to two reasons—a letting up in the demand and the action of the Eastern Association in reducing quotations on account of the increased capacity of many of the Western mills. The strike of the nailers has enabled the feeders to become so proficient as nailers that the mills are able to make considerable inroads "on their orders," of the difficulty in meeting the demands. The trade is expected from this time on.

A correspondent of the *National Druggist* adds another suggestion to the long list of devices to prevent the mistaking of morphine for quinine. "The method consists in having the manufacturer press the sulphate of morphine into small cubes, each weighing a few grains, so that any pharmacist can distinguish the salt from quinine by its physical appearance. The plan seems to be a feasible one from the retailer's standpoint, and there is no reason why the manufacturers should object to putting their goods up in such a form."

JUDD & CO., JOBBERS OF SADDLERY HARDWARE

And Full Line Winter Goods. 102 CANAL STREET.

Cutlery's Pocket Inhaler

And carbonate of Iodine Inhalant. A cure for Catarrh, Bronchitis, Asthma and all diseases of the throat and lungs—even consumption—if taken in season. It has cured Catarrh when all other remedies had failed. Of the many who have tried it, there is not one who has not been benefited. This is the only inhaler approved by physicians of every school, and endorsed by the standard medical journals of the world. All others in the market are either worthless substitutes or fraudulent imitations. Over 400,000 in use. Sold by druggists for \$1. By mail, \$1.25.

W. H. SMITH & CO., PROPRIETORS, 410 and 412 MICHIGAN ST., BUFFALO, N. Y.

A. L. TUCKER, Commission Merchant,

167 South Water St., CHICAGO.

WE HAVE STANDING ORDERS FOR LARGE AND SMALL LOTS OF APPLES AND POTATOES, AND CAN PLACE SAME AT ALL TIMES TO THE ADVANTAGE OF CONSIGNORS. WE ALSO MAKE A SPECIALTY OF BEANS, DRIED FRUITS AND CRANBERRIES, AND ARE IN A POSITION TO COMMAND THE HIGHEST MARKET PRICE ON SUCH ARTICLES.

THE PHILLIPS STEEL POINT SNOW SHOVEL!



Manufactured Expressly for the Michigan Trade.

Strongest, Lightest, Cheapest, Handsomest, Best!

Weight, three pounds, Oil finished.

FIG. 1, BENT BLADE, STEEL POINT.
FIG. 2, STRAIGHT BLADE, STEEL POINT.
FIG. 3, STRAIGHT BLADE, IRON POINT, (NOT OILED.)
BOY SHOVELS, (like fig. 2) IRON POINT, (NOT OILED.)

FOR SALE BY
CODY, BALL & CO.,
ARTHUR MEIGS & CO.,
CLARK, JEWELL & CO.,
JOHN CAULFIELD,
SHIELDS, BULKLEY & LEMON,
HAWKINS & PERRY,
FOSTER, STEVENS & CO.

HEMLOCK BARK.

The Hemlock Bark market is steady. We are taking all that arrives in good shape at the current price, \$5 per cord delivered.

WALLIN LEATHER CO., GRAND RAPIDS, MICH.

RETAIL GROCERS!

Who wish to do away with annoyance of book-keeping and obtain a practical substitute for customers' itemized accounts should try

Credit Coupons.

They make no mistakes, give customers no chance to dispute accounts, and merchants no chance to commit errors; they cause no delays in the hurry and excitement of business, save the expense of book-keeping, do not require pass books to satisfy suspicious customers, and create a feeling of confidence between the merchant and his patron.

They are in \$2, \$5, \$10, \$20 and \$50 books.

PRICES:
1,000 Books of Coupons.....\$25.00
500 Books of Coupons.....14.00
100 Books of Coupons.....3.00
50 Books of Coupons.....2.00
Send for trial order to

E. A. STOWE & BRO., 49 LYON STREET, GRAND RAPIDS, MICH.

MISCELLANEOUS.

Advertisements of 25 words or less inserted in this column at the rate of 25 cents per week, or 50 cents for three weeks. Advance payment.

FOR SALE—Bakery in a city of 12,000 inhabitants with only two competitors. Best location in town. Will sell partly on time. Address Stephen Sears, care Wm. Sears & Co., Grand Rapids, Mich. 117

FOR SALE—Clean drug stock in the fastest growing town on the line of the Grand Rapids & Indiana Railway. Address for full particulars, "Quinine," care THE TRADESMAN.

FOR SALE—Or exchange for stock of merchandise, groceries, dry goods, or horses, wagons, sleighs, cash or something else, a two-story frame double store. Can be rebuilt for hotel. Situated in a fast-growing village. A good chance for some one. Address "Z," care THE TRADESMAN. 118

WANTED—To exchange, a good 80 acres of wild land and some choice village property for a stock of groceries. Address "Grocer," care THE TRADESMAN. 115

FOR SALE—A neat clean stock of books and stationery at Kalkaska, Mich. Only stock in town. Will invoice about \$300. Or will exchange for small farm in Southern Michigan. C. S. White, Kalkaska, Mich. 115

FOR SALE—At a bargain, or will exchange for other goods, six chests tea, grocer's scales, cheese safe, etc. For further particulars, address, "Tea," care THE TRADESMAN. 115

FOR SALE—136 acres of timber land, mostly maple and beech, within 1 1/2 miles of Kalkaska. Will exchange for stock of boots and shoes, dry goods and groceries. The land lies nearly level, and is traversed on the back end by a brook trout stream. Steam mill within 1/2 mile, and good roads in every direction. Address, "Kalkaska," care THE TRADESMAN. 121

FOR SALE—The font of brevity type formerly used on THE TRADESMAN. The font comprises 222 pounds, with italic, and can be had for 30 cents a pound. Apply at the office.

WHOLESALE PRICE CURRENT.

Prevailing rates at Chicago are as follows:

AUGERS AND BITS.

Ives', old style.....dis 60
N. H. C. Co.....dis 60
Douglas.....dis 60
Pierces.....dis 60
Snell's.....dis 60
Cook's.....dis 60
Jennings, genuine.....dis 60
Jennings, imitation.....dis 60

BALANCES.

Spring.....dis 25

BARROWS.

Railroad.....dis 13 00
Garden.....dis 33 00

BELLS.

Hand.....dis \$ 00
Cow.....dis 15
Call.....dis 15
Gong.....dis 20
Door, Sargent.....dis 55

BOLTS.

Stove.....dis \$ 40
Carriage new list.....dis 45
Plover.....dis 30 1/2
Sleigh Shoe.....dis 75
Cast Barrel Bolts.....dis 50
Cast Barrel, brass knob.....dis 50
Cast Square Spring.....dis 55
Cast Chain.....dis 60
Wrought Barrel, brass knob.....dis 55 1/2
Wrought Square.....dis 55 1/2
Wrought Sunk Flush.....dis 30
Wrought Bronze and Plated Knob.....dis 50 1/2
Ives' Door.....dis 50 1/2

BRACES.

Barber.....dis \$ 40
Backus.....dis 50
Spofford.....dis 50
Am. Ball.....dis net

BUCKETS.

Well, plain.....dis \$ 4 00
Well, swivel.....dis 4 50

BUTTS, CAST.

Cast Loose Pin, figured.....dis 60 1/2
Cast Loose Pin, Berlin bronzed.....dis 60 1/2
Cast Loose Joint, genuine bronzed.....dis 60 1/2
Wrought Narrow, bright fast joint.....dis 60 1/2
Wrought Loose Pin.....dis 60
Wrought Loose Pin, acorn tip.....dis 60 1/2
Wrought Loose Pin, joggled.....dis 60 1/2
Wrought Loose Pin, joggled, silver.....dis 60 1/2
Wrought Table.....dis 60 1/2
Wrought Inside Blind.....dis 60
Wrought Brass.....dis 65 1/2
Blind, Clark's.....dis 70 1/2
Blind, Parker's.....dis 70 1/2
Blind, Shepard's.....dis 70

CAPS.

Ely's 1-10.....per m \$ 65
Hick's C. F.....dis 60
G. D.....dis 60
Muellet.....dis 60

CHISELS.

R. m. Fire, U. M. C. & Winchester new list.....dis 60
Rim Fire, United States.....dis 60
Central Fire.....dis 40

COCKS.

Brass, Racking's.....dis 50
Bibb's.....dis 40 1/2
Fenn's.....dis 40 1/2

COPPER.

Planished, 14 oz cut to size.....dis 30
14 1/2, 14 3/4, 14 1/2.....dis 30

DRILLS.

Morse's Bit Stock.....dis 35
Taper and Straight Shank.....dis 20
Morse's Taper Sock.....dis 30

ELBOWS.

Com. 4 piece, 6 in.....dis \$ 85
Ives' 1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4.....dis 20
Adjustable.....dis \$ 40

EXPANSIVE BITS.

Clar's, small, \$18 00; large, \$26 00.....dis 20
Ives' 1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4.....dis 25

FILES.

American File Association List.....dis 60
Diston's.....dis 60
New American.....dis 60
Nicholson's.....dis 60
Heller's.....dis 60
Heller's Horse Rasps.....dis 35 1/2

GALVANIZED IRON.

Nos. 16 to 20, 22 and 24, 25 and 26, 27, 28.....dis 18
List 12.....dis 14
Discount, Juniata 45 to 10, Charcoal 50 to 10.

GATES.

Stanley Rule and Level Co.'s.....dis 50

HAMMERS.

Maydole & Co.'s.....dis 20
K.P.'s.....dis 25
Yerkes & Plumb's.....dis 40
Mason's Solid Cast Steel.....dis 30 c list 40
Blacksmith's Solid Cast Steel, Hand.....dis 40 1/2

RANGES.

Barn Door Kipper Mfg. Co.'s Wood track dis 50
Champion, anti-friction.....dis 40
Kidder, wood track.....dis 40

RINGS.

Gate, Clark's, 1, 2, 3.....dis 60
State.....dis 20
Screw Hook and Strap, to 12 in. 4 1/2 14 and longer.....dis 3 1/2
Screw Hook and Eye, 1/2.....dis 10 1/2
Screw Hook and Eye, 3/4.....dis 8 1/2
Screw Hook and Eye, 1.....dis 7 1/2
Screw Hook and Eye, 1 1/2.....dis 60 1/2
Strap and T.....dis 60 1/2

HOLLOW WARE.

Stamped Tin Ware.....dis 60 1/2
Japanese Tin Ware.....dis 20 1/2
Granite Iron Ware.....dis 25

HOES.

Grub 1.....\$11 00, dis 40
Grub 2.....11 50, dis 40
Grub 3.....12 00, dis 40

KNIVES.

Door, mineral, jap. trimmings.....\$2 70, dis 60 1/2
Door, porcelain, jap. trimmings.....3 50, dis 60 1/2
Door, porcelain, plated trim.....list 10 15, dis 60 1/2
Door, porcelain, trimmings list, 11 55, dis 70
Drawer and Shutter, porcelain.....dis 70
Picture, H. L. Judd & Co.'s.....dis 40
Hemacite.....dis 50

LOCKS—DOOR.

Russell & Irwin Mfg. Co.'s new list.....dis 60 1/2
Mallory, Wheeler & Co.'s.....dis 60 1/2
Brantford's.....dis 60 1/2
Norwalk's.....dis 60 1/2

LEVELS.

Stanley Rule and Level Co.'s.....dis 65

MILLS.

Coffee, Parkers Co.'s.....dis 40 1/2
Coffee, P. S. & W. Mfg. Co.'s Malicables dis 40 1/2
Coffee, Landers, Ferry & Clark's.....dis 40 1/2
Coffee, Enterprise.....dis 25

MATTOCKS.

Adze Eye.....\$16 00 dis 40 1/2
Hunt Eye.....\$15 00 dis 40 1/2
Hunt's.....\$18 50 dis 20 & 10

COMMON, BR and Fencing.

10d to 60d.....per keg \$2 75
8d and 9d adv.....25
6d and 7d adv.....25
4d and 5d adv.....25
3d advance.....1 50
3d fine advance.....3 00
Cinch nails, adv.....1 75
Finishing 1 1/2 3/4 2 1/4 2 1/2 3 1/4 4 1/4 5 1/4 6 1/4 7 1/4 8 1/4 9 1/4 10 1/4 11 1/4 12 1/4 13 1/4 14 1/4 15 1/4 16 1/4 17 1/4 18 1/4 19 1/4 20 1/4 21 1/4 22 1/4 23 1/4 24 1/4 25 1/4 26 1/4 27 1/4 28 1/4 29 1/4 30 1/4 31 1/4 32 1/4 33 1/4 34 1/4 35 1/4 36 1/4 37 1/4 38 1/4 39 1/4 40 1/4 41 1/4 42 1/4 43 1/4 44 1/4 45 1/4 46 1/4 47 1/4 48 1/4 49 1/4 50 1/4 51 1/4 52 1/4 53 1/4 54 1/4 55 1/4 56 1/4 57 1/4 58 1/4 59 1/4 60 1/4 61 1/4 62 1/4 63 1/4 64 1/4 65 1/4 66 1/4 67 1/4 68 1/4 69 1/4 70 1/4 71 1/4 72 1/4 73 1/4 74 1/4 75 1/4 76 1/4 77 1/4 78 1/4 79 1/4 80 1/4 81 1/4 82 1/4 83 1/4 84 1/4 85 1/4 86 1/4 87 1/4 88 1/4 89 1/4 90 1/4 91 1/4 92 1/4 93 1/4 94 1/4 95 1/4 96 1/4 97 1/4 98 1/4 99 1/4 100 1/4 101 1/4 102 1/4 103 1/4 104 1/4 105 1/4 106 1/4 107 1/4 108 1/4 109 1/4 110 1/4 111 1/4 112 1/4 113 1/4 114 1/4 115 1/4 116 1/4 117 1/4 118 1/4 119 1/4 120 1/4 121 1/4 122 1/4 123 1/4 124 1/4 125 1/4 126 1/4 127 1/4 128 1/4 129 1/4 130 1/4 131 1/4 132 1/4 133 1/4 134 1/4 135 1/4 136 1/4 137 1/4 138 1/4 139 1/4 140 1/4 141 1/4 142 1/4 143 1/4 144 1/4 145 1/4 146 1/4 147 1/4 148 1/4 149 1/4 150 1/4 151 1/4 152 1/4 153 1/4 154 1/4 155 1/4 156 1/4 157 1/4 158 1/4 159 1/4 160 1/4 161 1/4 162 1/4 163 1/4 164 1/4 165 1/4 166 1/4 167 1/4 168 1/4 169 1/4 170 1/4 171 1/4 172 1/4 173 1/4 174 1/4 175 1/4 176 1/4 177 1/4 178 1/4 179 1/4 180 1/4 181 1/4 182 1/4 183 1/4 184 1

