# The Lancaster Intelligencer.

Volume XVII—No. 95 LANCASTER, PA., TUESDAY, DECEMBER 21. 1880 Price Two Cents.



*NEW ADVERTISEMENTS.*

## THE HOLIDAYS AT

## JOHN WANAMAKER'S,

**CHESTNUT, THIRTEENTH AND MARKET STREETS,**

**AND CITY HALL SQUARE, PHILADELPHIA.**

THE HOLIDAYS.
There is nowhere in Philadelphia so varied a collection of rich goods as here—such as fathers, mothers, brothers, sisters lovers, look for a little later.
There is an end even of Gifts. Our collection is large enough and rich enough, one would suppose, even for a less frugal city than Philadelphia. These goods are now at the height of their glory. The choicest of them are here; others will come of course; but the choicest are going.
What is equally to the purpose, buyers are now about as many as can be comfortably served, and the throng will be denser every fair day till Christmas.
JOHN WANAMAKER.

TOILET FURNISHING.
Sachets, ribbies, lamp-shades, pin-cushions, boxes, in satin and plush, embroidered and painted.
JOHN WANAMAKER.
First circle, southwest from the centre.

LACES.
Duchesse vest with Point medallions, $50; the same may be seen elsewhere at $70.
JOHN WANAMAKER.
Nine counters, southwest from the centre.

CLOCKS.
$1.25 to $150.00, all guaranteed.
JOHN WANAMAKER.
City-hall square entrance.

TOYS.
New room, new toys.
JOHN WANAMAKER.
Outer circle, west of the Chestnut street entrance.

BOOKS.
A catalogue of books may be had at the book counter. We want every reader to have it. The list of children's holiday books is especially complete.
JOHN WANAMAKER.
Second counter, northeast from the centre.

LADIES' ULSTERS.
There are two general styles, one closed at the back, the other open; the latter is known as coachman's style. In detail of trimming there is great variety though there is also marked simplicity. Great variety in cloths too, $6.50 to $25.
Cloaks, foreign and home-made. Our collection is unprecedented, whether you regard variety, quantity or value. A lady who buys a cloak of any sort in Philadelphia without looking these over misses the best assortment, perhaps, in the whole country. $6.50 to $250.
JOHN WANAMAKER.
Southeast corner of the building.

MISSES' COATS.
Misses' coats in more than 70 cloths, shapes and decoration beyond counting. Sizes 2 to 16 years.
Ulsterettes in 5 cloths, ulsters in 8 cloths and havelocks in cloths. Sizes 6 to 16.
JOHN WANAMAKER.
Southwest corner of the building.

UNDERWEAR AND HOSIERY.
We have the best goods the world affords, and the next best, and the next, and so on. There is no place anywhere, where you can see so large a collection of the different grades of goods, all passing for what they are, and nothing for what it is not, cotton for cotton, mixed for mixed, wool for wool, silk for silk.
JOHN WANAMAKER.
Outer circle, Chestnut street, entrance to Thirteenth street entrance.

EMBROIDERIES.
New Embroideries are already in. Our stock is now in the condition you expect to find it in at New Year's, *i. e.* the spring novelties are here.
JOHN WANAMAKER.
Third circle, southwest from the centre.

CARPETS.
The choicest luxurious carpets: the most substantial carpets; the lowest prices; punctual service.
JOHN WANAMAKER.
Market street front, up stairs.

SILKS.
Evening silks in the Arcade, east side. The same and many other patterns are within.
JOHN WANAMAKER.
Next outer circle, southeast from the centre

EMBROIDERIES.
Our next spring's novelties in embroideries are just now received; they usually come at New Year's.
JOHN WANAMAKER.
Next outer circle, southwest from the centre.

LACES.
Laces change daily. Our sales are large, our variety always large, and but little of any one sort. Compare prices. A quarter below the market is not uncommon.
JOHN WANAMAKER.
Nine counters, southwest from the centre.

WRAPS, &c.
Such a stock of foreign cloaks as Philadelphia has not before seen, $10 to $250; shawls near by; dresses up stairs.
JOHN WANAMAKER.
Southeast corner of the building.

FURS.
Furs of all sorts are going fast. They went fast last year and advanced in price as the season advanced. They are going up again. We shall not raise prices till we have to buy. Expect to find here whatever you want, from a bit of trimming up.
JOHN WANAMAKER.
Thirteenth street entrance.

COATS AND ULSTERS FOR CHILDREN.
Not so great variety as for ladies; but much larger than anywhere else here.
Coats, 2 to 6 years: in thirty different materials, drab, blue and brown cords with fleecy black; collar and cuffs of plush; also in ten camel's hair cloth, trimmed with scale cloth.
Coats, 4 to 16 years: in thirty cloths, trimmed with plain stitching, plush, seal cloth, chinchilla fur and velvet, $2 to $16.
Ulsterettes, 6 to 16 years; in five cloths, with seal cloth collar and cuffs.
Ulsters, 6 to 16 years; in eight cloths, trimmed with plush stitching, hood and plush.
Havelocks, 4 to 16 years; two styles.
JOHN WANAMAKER.

BOYS' CLOTHING.
Our trade is just what it ought to be for the facilities and advantages we enjoy.
JOHN WANAMAKER.
East of central aisle, near Market street.

CHINA AND GLASSWARE.
Tackloong preclain, plates only, for dinner or dessert, five patterns, $25 to $30 per dozen.
Haviland dinner sets: Camille pattern, $140; elsewhere, $200. Tressed, $140; elsewhere, $200. Tressed with Moresque border and decoration of grasses and butterflies, $225; elsewhere, $275. The latter is in the Arcade, Chestnut street entrance, to-day.
Table glassware, English, Strawberry-diamond cut; every article required for the table useful or ornamental.
JOHN WANAMAKER.
Northwest corner of the building.

PLUSH HAND-BAGS.
And a great variety of other kinds. Also pocket books, embroidered leather card cases, cigar cases, and everything in leather goods.
JOHN WANAMAKER.
Third circle northwest from centre.
Chestnut, Thirteenth and Market streets and City Hall square.

GIFTS.
To buy Holiday Gifts early is good advice: The best trade is early; and the best trade carries off the best things.
JOHN WANAMAKER.

ALFRED WRIGHT'S PERFUMES.
HIS Mary Stuart is probably the most lasting of all the agreeable perfumes; none of the foreign ones approach it. It is very rich, strong and full of life; it is agreeable to more persons, probably, than any other perfume.
Wild Olive is next in popularity; this also is singularly powerful and lasting. White Rose is delicate and lasting.
We keep the preferred odors of all the first-class perfumers, such as Lubin, Bailey, Atkinson and Coudray; but of ALFRED WRIGHT'S we keep all.
Bring an unperfumed handkerchief; and you shall have a sample of any odor you wish.
JOHN WANAMAKER.
First circle, northwest from the center.

COLORED DRESS GOODS.
The following, just received, are away down in prices: French Camel's hair, 47 inch, $0.75 and .85; French cheviot suiting, silk and wool, 45 inch, $0.75; French foule, all wool, 28 inch, $0.28.
By looking out for such opportunities a lady may often save half.
JOHN WANAMAKER.
Nine counters, Thirteenth street entrance.

BLACK GOODS.
A lady wanting any of the following will be obliged for the mention of them; Silk and wool Satin de Lyon, 85 cents; silk faced velours, $1; momie cloth, 75 cents; damasse drap d'ete, $1.50; damasse cashmere, $1.25.
All the prices except the first are probably below the cost of manufacture, and even the first may be.
JOHN WANAMAKER.
Next outer circle, southwest from the center.

TRIMMING FOR DRESSES AND CLOAKS.
Our trade requires the largest and freshest stock of these goods, fringes, passementerie ornaments, girdles, tassels, spikes, rings, balls, buttons. We have novelties not to be found anywhere else.
JOHN WANAMAKER.
Next outer circle, northwest from the center.

SHAWLS, &c.
A few shawls are shown in the Arcade; gentlemen's dressing gowns and smoking jackets in the same case. More are within.
JOHN WANAMAKER.
East of the Chestnut street entrance.

FURS.
Our work-room is full of preparation, so full that we cannot crowd it faster. We have ready, also, a large stock of finished garments, fur and fur lined.
We have sacques and dolmans in sealskin dyed in London—we have none but London-dyed seal. We have them in great numbers, and, of course, in all sizes including extremes. Prices, from $125 to $250.
London controls the seal market of the world There have been two advances in price since our furs were bought. We shall not advance till we have to buy again; we have not advanced at all, as yet.
We have, at $165, seal sacques such as you will look in vain for elsewhere at the price.
Fur lined circulars and dolmans in very great variety. We use mostly Satin de Lyon, gros-grain, armure and brocade silk and Sicilienne; for mourning, Henrietta and Drap d'Ete. The latter are made to order only.
We have everything worth having in sets trimmings, robes, gloves, caps and the thousand-and-one little things that are kept in the completest lists.
JOHN WANAMAKER.
Thirteenth street entrance.

SKIRTS.
Felt, all colors and variety of styles, 50c to $1.25; flannel, black, blue, gray, brown and scarlet, $2.50 to $5.75; satin, black, $4.75 to $10.50; satin, blue, scarlet, brown and black, $12.50 to $20; Italian cloth, black, $1.25 to $5. The variety is very great.
JOHN WANAMAKER.
Southwest corner of the building.

BOYS' OVERCOATS.
Notice these two sacques:
Blue chinchilla sack, velvet collar and detachable cape, lined with Farmer's satin, horn buttons, $6.50. Is there another such coat for $6.50? We have sold hundreds of them.
Brown-red-and-old-gold diagonal ulsterette soft wool lining, sleeves lined with a durable, silk-striped fabric, horn buttons, $8.50.
These are but but specimens of many. If they seem inviting, others may be more so. See them.
JOHN WANAMAKER.
Central aisle, next to the outer circle, Market street side.

RIBBONS AND MILLINERY.
Ribbons and Millinery, you know, we have much more of than any other house.
JOHN WANAMAKER.
North of Thirteenth street entrance.

LINENS.
A very great variety of the finest linens, a very great variety of staple linens, and the lowest prices in Philadelphia.
JOHN WANAMAKER.
Outer circle, City Hall Square entrance.

LINEN HANDKERCHIEFS.
New goods just received from abroad. We have, without doubt, the richest and fullest stock on this side of the Atlantic. We buy from makers, direct, know the quality of our linen beyond question, and keep below the market besides.
JOHN WANAMAKER.
Second circle, southwest from the centre.

SILK HANDKERCHIEFS.
The very finest English and French handkerchiefs and Mufflers; handkerchiefs $1.25 to $2.50; mufflers, $1.50 to $4.50. Elsewhere they are sold for a quarter more, at least.
JOHN WANAMAKER.
Second circle, southwest from the centre.

UNDERWEAR.
Every individual article of Merino or Silk Underwear that we buy we examine to see whether the buttons are sewed on securely and whether the seams are right and properly fastened. If anything is wrong, back the garment goes to the maker, or we right it at his expense.
Such has been our practice for a year and a half. Is there another merchant in Philadelphia who does the same, or who watches the interests of his customers in any similar way?
Defects may escape us, nevertheless. You do us a favor, if you bring back the least imperfection to be made good.
JOHN WANAMAKER.
Outer circle, Thirteenth street entrance.

MUSLIN UNDERWEAR.
Our assortment of all muslin undergarments is as full as at any time of the year; and when the demand for such is not generally strong we are often able to buy at unusual advantage. We have very nearly the same goods the year round; but prices vary more or less. Now, for example, probably, there is not to be found in this city or in New York muslin undergarments equal to our regular stock except at higher prices. We know of no exception whatever.
JOHN WANAMAKER.
Southwest corner of the building.

RUBBER OVERGARMENTS.
Do you know, many are not of Rubber at all, and are not waterproof? We sell as many as all Philadelphia besides; real articles only; and guarantee them.
JOHN WANAMAKER.
Central aisle, near Market street entrance.

## JOHN WANAMAKER,

**Chestnut, Thirteenth and Market Streets,**

**And City Hall Square, Philadelphia.**

*MARBLE WORKS.*

**WM. P. FRAILEY'S**
**MONUMENTAL MARBLE WORKS**
758 North Queen Street, Lancaster, Pa.
MONUMENTS, HEAD AND FOOT STONES, GARDEN STATUARY, CEMETERY LOTS ENCLOSED, &c.
All work guaranteed and satisfaction given in every particular.
N. B.—Remember, works at the extreme end of North Queen street. m30

*TINWARE, &c.*

STOVES. STOVES.
Brick Set and Portable
**HEATERS and RANGES**
—AT—
**Shertzer, Humphreville & Kieffer's**
49 EAST KING STREET.

*CLOTHING.*

CHRISTMAS GOODS BELOW COST!
CHRISTMAS GOODS BELOW COST!
CHRISTMAS GOODS BELOW COST!

**RATHVON & FISHER**

Are selling off their entire stock of READY MADE CLOTHING below cost. Also

**FURNISHING GOODS.**

FROM NOW UNTIL JANUARY 1ST

**AT COST.**

CLOTHING made to order in the prevailing styles and at medium prices.

**COR. NORTH QUEEN and ORANGE STS.,**

LANCASTER, PA.,

**RATHVON & FISHER.**
MERCHANT TAILORS.
dec14-2wd

**FALL OPENING**
—AT—
**H. GERHART'S**
**Tailoring Establishment,**
**MONDAY, OCTOBER 11th, 1880.**

A Complete Stock of
**Cloths, Suitings**
—AND—
**OVERCOATINGS,**
which for elegance cannot be surpassed. The Large st Assortment of
**ENGLISH AND SCOTCH SUITINGS**
in this city. Prices as low as the lowest at
**H. GERHART'S**
No. 51 North Queen Street.

**CLOTHING! CLOTHING!**

We have now ready for sale an Immense Stock of
**Ready-Made Clothing**
—FOR—
**Fall and Winter,**
which are Cut and Trimmed in the Latest Style. We can give you a
**GOOD STYLISH SUIT**
**AS LOW AS $10.00.**

**PIECE GOODS**
In great variety, made to order at short notice at the lowest prices.

**D. B. Hostetter & Son,**
**24 CENTRE SQUARE,**
6-1yd LANCASTER, PA.

*MILLINERY.*

HOUGHTON'S LADIES!
HOUGHTON'S The cheapest and best place
HOUGHTON'S in our city to buy
HOUGHTON'S MILLINERY GOODS,
HOUGHTON'S MILLINERY GOODS,
HOUGHTON'S MILLINERY GOODS,
—IS AT—
CHEAP M. A. HOUGHTON'S,
CHEAP
CHEAP 25 NORTH QUEEN STREET.
CHEAP FINE HATS,
CHEAP FINE HATS,
BONNETS,
BONNETS,
STORE. LARGE OSTRICH FEATHERS
STORE. OSTRICH TIPS,
STORE. PLUSH ALL SHADES,
STORE. SILK VELVETS, SILKS,
STORE. SATINS, FRINGES, LACES
STORE. KID GLOVES.
FINEST
FINEST
CRAPES, FINEST
CRAPE VEILS, FINEST
CORSETS, FINEST
CUFFS, FINEST
COLLARS, FINEST
NECKTIES, ASSORTMENT
ASSORTMENT
The Finest, Cheapest and ASSORTMENT
Greatest Variety of ASSORTMENT
ASSORTMENT
Millinery Goods MILLINERY
MILLINERY
IN THE CITY. MILLINERY
MILLINERY
MILLINERY
MILLINERY
**M. A. HOUGHTON,** GOODS.
GOODS.
25 North Queen St. GOODS.
GOODS.
GOODS.
GOODS.

*BOOTS AND SHOES.*

**EASY BOOTS** BOOTS, SHOES AND LAST made on a new principle, insuring comfort for the feet. Lasts made to order.
MILLER,
feb14-1yd 133 East King street



Lancaster Intelligencer.

TUESDAY EVENING, DEC. 21, 1880.


# THE STAR CLUB.

"THESE MOST ANCIENT AND VENERABLE HEAVENS."

**Second Meeting—The Constellations—Northern Cross—Harp—Eagle—Great Square of Pegasus—The Bull—Pleiades—Hyades—Orion—Longfellow's Poem, Etc.**

The Star club had its second meeting last night and the list of constellations and individual stars was increased to twenty-six, including some of the most striking constellations in the heavens. An interesting paper also was read by Mr. J. D. Pyott on the Sun and Moon, in themselves and their relation to the Earth. In order to present the complete numerical list in our columns we give herewith a condensed report of lists presented at both meetings.

We suggest to all persons who are interested in this work—and the number will be very large this winter—that they preserve these reports, and take hold of the list now at its beginning. The following is a report of the

**Remarks of Mr. J. P. McCaskey.**

The purpose of the Star Club, as I understand it, is simply enjoyment—not that evanescent enjoyment, innocent though it be, which passes with the hour and leaves nothing behind it; much less that which, passing, leaves but vain regrets for time misspent and opportunities wasted. It is rather of the kind one gets from wandering in pleasure grounds on glad June days, the perfume of whose roses pervades the atmosphere of all after life; or from holiday climbing of wooded hillsides or loftier mountain range, through fern and brake and blooming wild flowers, the deep sky overhead, the fair landscape spreading far in the distance, and the broad river below, coming, like life, we know not whence, into our horizon, and passing beyond it—again like human life—we know not whither.

The days were good, though there may have been some toil in climbing, for the higher we climbed the broader grew the horizon that bounded our vison. So the nights were good, for the golden stars were in them—far too good, in their results at least, not to be repeated.

We come again, therefore, to the same bright sun, the physical source of all life upon our planet; to the same fair moon, the same old stars. We see again the slow moving Jupiter gaining by degrees upon his slower-moving brother-planet Saturn; while Venus, now in the western sky of early evening, is only less splendid than Jupiter himself. By nine o'clock of evening now the whole evening sky from the meridian to the horizon, is brilliant with the glory of stars and star groups—no other equal sweep of the heavens being comparable to this in the richness of its starry splendors.

Here are the Pleiades and the Hyades, with the ruby star Aldebaran; the Great Dog with the Sirius blazing as only Sirius can, and its beautiful triangle lying low towards the horizon; the Little Dog, and its bright star Procyon; the magnificent constellation, Orion; Castor and Pollux of the Twins; and farther to the North, Capella and her kids. All of these and many more we hope in due time to give place again upon our list, but as the constellations nearing the western horizon will be first to disappear, it is these to which we must first give special attention.

Last winter we began with Arcturus. Our present list will begin with Deneb, also known as Arided, in the head of the Northern cross, which now stands at eight o'clock in the evening a very conspicuous star group in the northwestern sky. To fix this beautiful figure, which is a well proportioned Roman cross in the constellation of the Swan, we make a large triangle of the three most brilliant stars in that quarter of the heavens—all of these stars being of the first magnitude. With Deneb at the vertex, which is the star in our triangle nearest the meridian overhead, the two stars at the angles of the base are Altair in the Eagle and Vega in the Harp, some 40 degrees distant from each other. Of these, Vega lies to the north. It is a brilliant white star which may at once be identified by the shapely parallelogram of faint stars a very short distance southeast from it, and belonging to the same constellation. Altair is at the southern angle and may readily be recognized as the flashing brilliant in a straight line of three stars some five degrees in length. It is the middle star of the three, that on each side being as promptly recognized, though much smaller in apparent magnitude. Half way between Altair and Vega, and a short distance above the base line connecting them, is found the double star Albireo, in the foot of the Cross, which we have several times seen dissolved through telescopes of moderate power. Having now the head and the foot of the Cross, of course the arms fall into place at once and the figure is known, not soon, if ever, to be forgotten.

The triangle just indicated is the simplest and best means we know of for identifying this constellation. The star which is the nail fastening the arms of the Cross to the tree, is Sad'r (pronounced *Sar*), that at the extremity of the southern arm is Gienah, while that at the end of the northern arm is known only by its prop-Greek letter. The star somewhat off the line between Sad'r and Albireo, faint and variable, is not named.

In the parallelogram of the Harp, near Vega, the two stars farthest south are Sheliak and Sulaphat, the latter being nearest the western horizon. In the Eagle, the faint star immediately north of Altair is Tarazad, that very near it on the south in the same straight line is Alshain.

In the small space in the Milky Way between Sad'r and Albireo, Herschel estimated the number of stars at nearly 350,000. The first star whose approximate distance from us was discovered—and there has been only one star since discovered to be nearest to our earth—is about 7½ degrees southeast from Deneb. It is distant from our solar system more than seven light years. When we remember that the light comes from the Moon, some 240,000 miles distant, in little more than a *second* of time, although it would require a locomotive engine making 1,000 miles a day full eight months to pass over the same distance—and from the Sun in eight minutes, the same engine requiring more than 250 years for this distance, we begin to have some hazy and indistinct perception of what is meant by "light years. A single light year corresponds to 10,000,000,000,000 miles. Vega is estimated at twenty-one light years distant! The distances of Altair and Deneb are not yet estimated—doubtless they are much farther away—though the spectroscope seems to show that the latter is approaching our system so rapidly that in 200,000 years it will shine in our sky with a brilliancy greater than that of Sirius.

We turn next to another striking group known as the "Great Square of Pegasus," This now nearly overhead between six and seven o'clock in the evening. The figure makes what is called a "square," although its sides range from 13 to 16 degrees in length. Three of its stars are in the constellation Pegasus, while the fourth, at the northeastern angle, is in Andromeda. The northern star on the western side is Scheat the southern star is Markab, both in Pegasus. Scheat makes a small but beautiful isosceles triangle to the west, with two stars of like brilliancy in the breast and fore leg of the Winged Horse. The southern star on the eastern side, also in Pegasus, is Algenib, while the northern star Alpheratz is in Andromeda, as has been said.

A line carried some forty-five degrees south through Scheat and Markab will fix Formalhaut, a bright lone star in the Southern Fish, while another line carried a less distance through Alpheratz and Algenib on the eastern side of the Square will pass near Diphda in the tail of the Whale.

Returning to the Eagle already known, near the western horizon, and carrying a line almost due east across the heavens, which will pass a little to the north of the Great Square of Pegasus, we place in succession upon our list those ancient constellation, Taurus, the Bull, the mighty hunter, Orion, and the Dogs that follow in his train.

We reach first a cluster of faint stars in the neck of Taurus, the Pleiades or "Seven Stars," known to everybody. They rise about the middle of September at 8 o'clock in the evening and are then to be seen during the entire night. About the fifteenth of January, at the same hour, they are on the meridian, due south from the zenith; about the middle of April they are very near the horizon, soon after they are lost in the rays of the sun and remain invisible for some two months, after which they reappear in the East early in the morning before the sun rises. This interesting group, which one of the old poets represents as ever fleeing in dread before the hunter Orion, to the naked eye shows but six stars. Under a telescope of moderate power this number is increased to fifty or sixty stars, while an instrument of higher power brings into view from 100 to 200 star points. Each of these is doubtless a sun with its retinue of attendant planets, hundreds, perhaps thousands, of which may be inhabited by beings like ourselves!

The brightest of these stars is Alcyone, also known as the "Light of the Pleiades," a faint star, but estimated by astronomers to be 1200 times the size of our Sun. The well-known allusion in the book of Job to the "sweet influences of Pleiades," and the special mention made of this group by the Greek poets, Homer and Hesiod, show how very early it attracted the attention of mankind. The name Pleiades is from a Greek word meaning "to sail," as their rising indicated to the Greek mariners in the Mediterranean the time of safe navigation. The ancients explained the absence of the seventh star by saying that as she whom it represented had married Sisyphus, a mortal, she could not henceforth appear in the company of those who were the favorites of the gods.

When we think of the millions of millions of human beings, who for at least a hundred successive generations have looked with pleased interest upon these "fire-flies tangled in a silver braid," as Tennyson so aptly describes this constellation, we are glad that we too may know the "Seven Stars," and feel that common interest in this beautiful group which seems almost a tie of brotherhood for the race through so many ages.

Eleven degrees east from the Pleiades, we have the Hyades in the head of the Bull. This group is shaped like a wedge or the English letter V and may at once be recognized. It contains five stars, four of them faint, but the fifth a red star of the first magnitude not unlike the planet Mars in its appearance. This is Aldebaran and is known as the "Eye of the Bull." The name is Arabic and means, "He went before or led the way."

**The Splendid Constellation Orion.**

Continuing our line eastward, the next very bright star after Aldebaran of the Hyades is Betelguese (Be-*tel*-geese) a brilliant ruby star in the right shoulder of the Hunter. Ten degrees southeast of this star is the Belt of Orion, a straight line comprising three splendid stars of the second magnitude. "Canst thou loose the Bands of Orion?" is a question asked in the Book of Job, suggestive of human weakness in contrast with Almighty power. This line of stars is three degrees in length so that it may be used as a measuring rod in the heavens. It has been known by many names, among them the "Three Kings," "Three Stars," "Ell and Yard," "Napoleon," "The Rake," "Jacob's Staff" "Jacob's Rod," and others. In Scotland it is known as "The Lady's Elwand."

Extending a line from Betelguese through the Belt, and nearly as far beyond it, we reach Rigel, a very brilliant yellowish-green star of the first magnitude. Both these names are Arabic, the latter meaning "heel" and former "shoulder of the giant," the stars indicating the position of those members of the body. The quadrilateral which encloses the Belt, and which approaches a parallelogram, longer than broad, is completed by Bellatrix, which marks the left shoulder eight degrees distant from Betelguese, and Saiph (Safe) nine degrees to the southeast of Rigel.

The brightest of the small cluster of stars indicating the head is Meissa, which makes a small triangle to the north with Betelguese and Bellatrix. The faint group south of the Belt is known as the sword of Orion. The star in the Belt nearest Bellatrix is Mintaka, a double star; the middle one is Anilam and that nearest, Saiph is Anitak. Anilam is just one and a half degrees from the star on each side of it. As the equator passes through the Belt, this constellation is visible from all parts of the earth, so that men everywhere may see and know Orion.

The club of the giant is marked by three small stars in the Milky Way, which are close together and just below the southern horn of the Bull. The Lion's skin on his left arm is marked by a curving line of eight stars running north and south some nine degrees west of Bellatrix.

Orion is a favorite constellation with the practical astronomer, for in addition to the splendor of its stars, which include two of the first, four of the second, and three of the third magnitude, the telescope shows wonderful nebulæ, five double stars and other objects of great interest. Seventy of its stars are plainly visible to the naked eye.

The Latin poet, Manilius, who wrote on astronomy shortly before the Christian era thus describes, with a free fancy, the appearance of Orion:

First next to Taurus, see great Orion rise,
His arms extended stretch o'er half the skies,
His stride is large, and with a steady pace
He marches on, and measures a vast space:
On each broad shoulder a bright star displayed,
And three obliquely grace his hanging blade.
In his vast head, immersed in boundless spheres,
Three stars less bright, but yet as great, he bears,
But further off removed, their splendor's lost,
Thus graced and armed he leads the starry host.

Far beyond this, is Longfellow's "Occultation of Orion," in which the grand conception of Pythagoras, the "music of the spheres" and the mythical story of Orion are the patterns woven in the cloth of gold. The cloth of gold itself is the conception of the symbolism of nature which the poet here presents.

Time holds the scales, in one scale Day in the other Night. As that to the west sinks with the Sun, that to the east brings up the stars. As these rise the poet hears the "music of the spheres," of which the "Samian" sage, Pythagoras, taught his followers. Pythagoras held that the principle of life was in the centre of the universe, a central fire surrounded by Earth, Sun, Moon and the five planets, Mercury, Venus, Mars, Jupiter and Saturn, the only ones known to the ancients, These eight made the octave and their distances from one to another were thought to correspond to the proportions of the musical scale—hence the great "Eolian lyre" of the poem with its "sevenfold bars" with "chords of air and frets of fire." The heavenly bodies with their celestial inhabitants were supposed to perform a dance, with choral accompaniment, around this central fire. It is to this belief Shakspeare makes reference in the Merchant of Venice, in the familiar lines:

"Look Jessica. See how the floor of heaven
Is thick inlaid with patens of bright gold;
There's not the smallest orb that thou behold-est
But in his motion like an angel sings,
Still quiring to the young-eyed cherubim;
Such harmony is in immortal souls!
But whilst this muddy vesture of decay
Doth grossly close us in we cannot hear it."

"Dian's circle light and near" is the Moon, the sun being sacred to her brother Apollo. "Onward to vaster and wider rings," beyond the successive orbits of the nearer planets, until aged Saturn, the most distant, is reached and the "thunder of his bass" is heard. The "music of the spheres" is now a solemn march with a deep meaning underlying it. Greatest of all the "kindling constellations" comes Orion with matchless strength, his victorious sword sheathed at his side, the mighty club uplifted in his hand, on his arm the skin of the lion he had slain, triumphing in the "reign of violence." "Beautiful as some fair saint" the Moon comes up, unharmed, "as with naked feet she trod upon the hot and burning stars," the reference being to a test of purity and innocence in the cruel days of old. Abashed at her pure presence, the giant whose power is brute force alone, loses club and tawny lion hide and in the silence stands "aghast in strange alarm" Look at the constellation in the bright moonlight, if you would read the fable. And the angel seeing this proclaims the meaning of the symbolism, in the triunph of good over evil.

A brief sentence or two will explain the references towards the close of the poem. The story goes that Œnopion was unwilling to lose his daughter to whom Orion was betrothed. Accordingly he made his would-be son-in-law drunk, and when the latter lay down to sleep on the seashore, he put out his eyes. Orion then finding his way to a "blacksmith at his forge," compelled him to indicate the spot from which the God of day, the only power that could held him might best be seen. Thither he climbed, "fixed his blank eyes upon the sun" and had his sight restored, to take vengeance first of all upon Œnopion. But let us hear the poem.

**Occultation of Orion.**

I saw, as in a dream sublime,
The balance in the hand of Time.
O'er East and West its beams impended;
And day, with all its beams of light,
Was slowly sinking out of sight,
While, opposite, the scale of night
Silently with the stars ascended.

Like the astrologers of old,
In that bright vision I beheld
Greater and deeper mysteries.
I saw, with its celestial keys,
Its chords of air, its frets of fire,
The Samian's great Æolian lyre,
Rising through all its sevenfold bars,
From earth unto the fixed stars.
And through the dewy atmosphere,
Not only could I see, but hear,
Its wondrous and harmonious strings,
In sweet vibration, sphere by sphere,
From Dian's circle light and near,
Onward to vaster and wider rings,
Where chanting though his beard of snows,
Majestic, mournful, Saturn goes,
And down the sunless realms of space
Reverberates the thunder of his bass.

Beneath the sky's triumphal arch
This music sounded like a march,
And with its chorus seemed to be
Preluding some great tragedy.
Sirius was rising in the East;
And, slow ascending one by one,
The kindling constellations shone.
Begirt with many a blazing star,
Stood the great giant Algebar,
Orion, hunter of the beast!
His sword hung gleaming by his side,
And, on his arm, the lion's hide
Scattered across the midnight air
The golden radiance of its hair.

The moon was pallid, but not faint;
And beautiful as some fair saint,
Serenely moving on her way
In hours of trial and dismay.
As if she heard the voice of God,
Unharmed with naked feet she trod
Upon the hot and burning stars,
As on the glowing coals and bars,
That were to prove her strength, and try
Her holiness and her purity.

Thus moving on, with silent pace,
And triumph in her sweet, pale face,
She reached the station of Orion.
Aghast he stood in strange alarm!
And sudden from his outstretched arm
Down fell the red skin of the lion
Into the river at his feet.
His mighty club no longer beat
The forehead of the bull; but he
Recoiled as of yore beside the sea,
When, blinded by Œnopion,
He sought the blacksmith at his forge,
And, climbing up the mountain gorge,
Fixed his blank eyes upon the sun.

Then, through the silence overhead,
An angel with a trumpet said,
"Forevermore, forevermore,
The reign of violence is o'er!"
And, like an instrument that flings,
Its music on another's strings,
The trumpet of the angel cast
Upon the heavenly lyre its blast,
And on from sphere to sphere the words
Re-echoed down the burning chords—
"Forevermore, forevermore,
The reign of violence is o'er!"

Our numerical list will therefore comprise the following stars: No. 1. Arided or Deneb; 2. Sad'r (*Sar*); 3. Gienah; 4. Albireo; 5. Vega; 6. Sheliak; 7. Sulaphat; 8. Tarazad; 9. Altair; 10. Alshain; 11. Scheat (Ske-at); 12. Markab; 13. Algenib; 14. Alpheratz in Andromeda; 15. Fomalhaut in the Southern Fish; 16. Diphda in the Whale; 17. Alcyone (Al-cy-o-ne) in the Pleiades; 18. Aldebaran, in the Hyades; 19. Betelgnese (Be-*tel*-geese); 20. Bellatrix; 21. Rigel; 22. Saiph (Safe); 23. Mintaka; 24. Anilam; 25. Anitak; and 26. Meissa. The first four stars are in the Swan, or the Northern Cross; the next three in the Harp; the next three in the Eagle; the next three in Pegasus; and the next five in different constellations as stated, and the last eight in the constellation Orion. All these stars may be very readily recognized by any one of average ability in town or country, and the enjoyment that comes from familiar recognition of stars and constellations will repay a thousandfold the effort needed to acquire this knowledge.


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