

That very ~~old~~ surface, we know has been
gazed on by the eyes of a hundred suc-
cessive generations - speak dread monitions,
as ye point upward to heaven speak, as ye
hieroglyphic symbols! of the conscious life that
has been flowing around you for three thousand
years - it were enough to penetrate granite
with emotion, to have intensified what we have
intensed along the line of the centuries.

Its front is 160 feet high 396 wide
it is 678 feet long and 444 at the transept
or widest part. it covers about 7 acres
The walls are built of stone.

The High Altar, beneath the dome surmounted on a Canopy raised on 4 twisted pillars of Bronze: they seem in perfect proportion and elevation we soon learn they are 96 feet high. The dome ^{which} is larger than the Pantheon is 140 feet in diameter, 179 ft high.

(Angelo) Michael trusted he would hang the Penthouse
in the "air" and it is raised more than
200 feet above the pavement of the church.
But what is raised? Why a mass of
masonry, not a wooden dome; but a Cupola of
Bricks twenty three feet in thickness the
Passage to the summit is within this wall as you
go up this staircase you have 10 feet in thickness
of wall each side of you and the stupendous
mass "hung in air". The dome is supported
by 4 square pillars each one of these pillars or
masses of masonry is nearly 60 feet on each
side. and yet they are not any way disproportion-
-ate they do not encumber the mighty pavement.
On 1832 there was ^{here} a M. M. party who
drew 22 drawings.

The soil of Egypt - made rich by the inundations of the Nile - possesses wonderful fertility - These are caused by heavy rain that falls in the Mountains of Abyssinia - It never rains in Egypt Centuries may pass while a shower never falls from the sky - Under the Ptolemies the population of the country was 20,000,000 - It has a population now of about 3,000,000 - Composed of Copts about 200,000 (2,000,000 half wild Arabs,) (Turks - 200,000) the (Mamelukes - 12,000 horsemen) - Oriental voluptuousness and luxury reigned in the Palaces of the Beys - Beggary and wretchedness deformed the mud hovels of the oppressed and degraded people - With a gentle breeze as we draw near the land - The Minaret of Alexandria the Creeds of Christianity, and Pompey's Pillar, rise above the sand hill - The country of Egypt is about 120 miles on the Mediterranean shore the valley extends 600 miles but is narrowed very much as you ascend the Nile - 21 day after ship landed at Alexandria he ~~was~~ Minister of Egypt at that time ~~Cairo~~ Cairo had 300,000 pop (see 198 H vol 1)

The Church of St Roch built in 1653 - It was on the steps of this Church (which are broad) Napoleon on the 3^d of Oct 1795 placed the Cannons which he fired upon the Royalists who were advancing against the Convention and thus checked the progress of the Counter Revolution - he was a young Lieutenant of Artillery but he assured ^{the members of the Convention} them he would quell the mob and he did it. This is the most richly endowed Church in Paris - Festivals are celebrated ^{here} with the utmost pomp - and the music is admirable

Notre Dame. Built in 1163 - is 417 feet long
156 wide Towers 220 feet high the Organ has
6000 pipes and 86 stops - It has the largest Bell in
Europe I think weighs over 16 Tons I heard it
and went into the bellry and saw it

The Organ at St Sulpice is one of the finest in Paris it was rebuilt by Cavaille Coll has "C / Clers Boards" and about 4000 pipes
Over the Invalides there is in place bombards an Artesian Well 1880 feet deep and supplies 200,000 galls water daily Paris has 3 mns each